



Pearson

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## Reader+ APIs



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## Table of Contents

<b>Overview</b>	8
Environment Detail	8
Swagger Access	8
Key Secret Authentication	9
Generate mac in Java	10
<b>Reader+ APIs</b>	11
admin	11
GET /admin/{id}/enrollment/{type}	11
api-key	11
POST /api-key	12
GET /api-key	13
DELETE /api-key/{id}	14
app	15
POST /app	15
GET /app	16
GET /app/{id}	17
PUT /app/{id}	18
app-group	19
POST /app-group	20
GET /app-group	21
GET /app-group/{id}	23
PUT /app-group/{id}	24
DELETE /app-group/{id}	25
authenticate	26



---

POST /authenticate	26
authorize	27
GET /authorize	27
batch	28
N/A	28
book	28
POST /book/{id}	28
GET /book/{id}	29
DELETE /book/{id}	30
GET /book/{id}/content/private/{content}	31
GET /book/{id}/content/public/{content}	32
chunkBook	33
N/A	33
course	33
POST /course	33
GET /course	34
GET /course/{id}	35
PUT /course/{id}	36
GET /course/{id}/coursesection	36
coursesection	37
POST /coursesection	38
GET /coursesection	38
GET /coursesection/{id}	39
PUT /coursesection/{id}	40
DELETE /coursesection/{id}	41
GET /coursesection/{id}/license	42
GET /coursesection/{id}/product	44

---



---

GET /coursesection/{id}/student	45
GET /coursesection/{id}/teacher	47
enrollment	48
N/A	48
external	48
N/A	48
heartbeat	48
GET /heartbeat	49
highlight	49
POST /highlight	50
POST /highlight/share/{coursesectionId}	51
GET /highlight/source/{sourceId}	51
GET /highlight/{id}	52
PUT /highlight/{id}	53
DELETE /highlight/{id}	54
license	55
POST /license	55
GET /license/{id}	56
PUT /license/{id}	58
DELETE /license/{id}	59
PATCH /license/{id}/provision/coursesection	60
logoff	61
POST	61
media	62
N/A	62
product	62
POST /product	63

---



---

GET /product	64
GET /product/ingest	67
API for testing Equella ingestion - Long running API	67
GET /product/{id}	67
PUT /product/{id}	68
DELETE /product/{id}	69
GET /product/{resource}/{id}	70
region	70
POST /region	71
GET /region	71
GET /region/{id}	73
PATCH /region/{id}/product	74
PATCH /region/{id}/school	76
regionadm	77
GET /regionadm/{id}/enrollment	77
school	78
POST /school	79
GET /school	79
GET /school/{id}	81
DELETE /school/{id}	82
PUT /school/{id}	83
GET /school/{id}/course	84
PATCH /school/{id}/course	85
GET /school/{id}/coursesection	87
PATCH /school/{id}/coursesection	88
GET /school/{id}/license	89
GET /school/{id}/log	99

---



---

POST /school/{id}/log	100
GET /school/{id}/product	101
GET /school/{id}/proxy	103
PUT /school/{id}/proxy	104
GET /school/{id}/user	105
GET /school/{id}/role	107
student	108
GET /student/{id}/coursesection	108
GET /student/{id}/enrollment/{type}	109
teacher	110
GET /teacher	111
GET /teacher/{id}/coursesection	112
GET /teacher/{id}/enrollment/{type}	113
user	114
POST /user	115
GET /user	116
PUT /user	117
GET /user/all	117
GET /user/auth-method	119
POST /user/session/token	120
GET /user/{id}	120
DELETE /user/{id}	122
PUT user (Id)	122
GET /user/{id}/coursesection	123
DELETE /user/{id}/highlight	124
GET /user/{id}/highlight	125
PUT /user/{id}/password	126

---



GET /user/{id}/product	127
user-product	130
POST /user-product	130
GET /user-product	131
GET /user-product/{id}	133
PUT /user-product/{id}	135
DELETE /user-product/{id}	136



# Overview

## Environment Detail

API URLs:

Sandbox : <https://api-sandbox.gls.pearson-intl.com>

Prod : <https://api-prod.gls.pearson-intl.com>

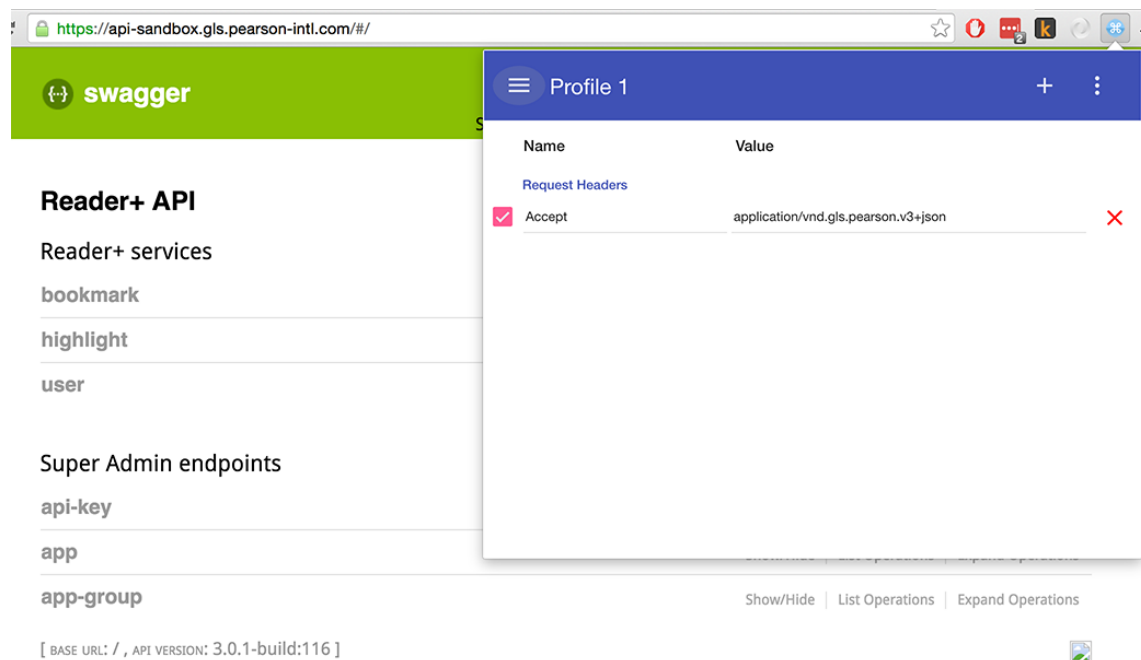
QA: <https://api-qa.readerplatform.pearson-intl.com/#/app-group>

The API is versioned. To access V3 you need to add the following request header to all requests:

Name: Accept  
Value: application/vnd.gls.pearson.v3+json

## Swagger Access

To view the API, use a browser extension such as “ModHeader” for Chrome to add the required request header.







## Key Secret Authentication

Each application will have an key and secret based on that authentication of the app is performed.

Environment	Key	Secret
SandBox	yw5kcm9pzc1z	eXc1a2NtOXB6YzF5YW5kcm9pZC1yZWFKZXIk

Each API request must pass the 'Authorization' header with value in the format

```
ReaderPlus key="yw5kcm9pzc1z", ts="1462451776", nonce="moF6xS",
mac="1RZ1xD9rCjvqkl2RNsw4bMWN8xMUJ22jNs7376UAKGs="
```

**key** - value shared to each application specific to an environment like STG. It can differ for different environment.

**ts** - Client calculated UTC format timestamp in seconds

**nonce** - generated unique string value

**mac** - base64-encoded to produce the request MAC. The request MAC is calculated using HMAC with the specified hash algorithm "sha256" and the secret value over the normalized request string.

The below is an example normalized request string (each value followed by a newline character):

```
hawk.1.header
1462451776
moF6xS
GET
/bookmark
api-stg.gls.pearson-intl.com
443
```

The request MAC is calculated using HMAC with the specified hash algorithm "sha256" and the secret value over the normalized request string. Finally base64-encoded the request MAC

```
1RZ1xD9rCjvqkl2RNsw4bMWN8xMUJ22jNs7376UAKGs=
```

The request MAC will help to prevent request replay attacks.

Various unauthorized error responses :



*401 - Unauthorized with message unknown credentials is responded if the key is not found.*

*401 - Unauthorized with message bad mac is responded if the mac is not matching the server calculated value.*

*401 - Unauthorized with message state timestamp if stale timestamp is sent.*

## Generate mac in Java

Add the below maven dependency in pom.xml

```
<dependency>
  <groupId>com.wealdtech.hawk</groupId>
  <artifactId>hawk-core</artifactId>
  <version>1.0.0</version>
</dependency>
```

```
HawkCredentials hawkCredentials = new HawkCredentials.Builder()
    .keyId("yw5kcm9pzc1z") //key
    .key("eXc1a2NtOXB6YzF5YW5kcm9pZC1
value
yZWfkZXIk") //secret value
    .algorithm(Algorithm.SHA256)
    .build();

HawkClient hawkClient = new HawkClient.Builder().credentials(hawkCredentials).build();

// pass the request URL, http method and body. Leave the ext as null
String authorizationHeader = hawkClient.generateAuthorizationHeader(uri, method, body,
ext);

String readerplusHeader = authorizationHeader.replace("Hawk id=", "ReaderPlus key=");
```

Use the readerplusHeader as the value for the Authorization header.



# Reader+ APIs

## admin

GET /admin/{id}/enrollment/{type}

<b>GET /admin/{id}/enrollment/{type}</b>	
<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token, course section id or school id, type (course section, school)
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/admin/55bb9c4e028d4b089413ce05/enrollment/school
<b>Response Body</b>	[ ]
<b>Response Headers</b>	<pre>{   "Date": "Wed, 07 Dec 2016 19:23:50 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Wed, 07 Dec 2016 19:23:50 GMT" }</pre>

## api-key

The APIs listed below are linked to their descriptions in this document.



POST	/api-key	This is not available in Swagger, Super User basic authentication only
GET	/api-key	This is not available in Swagger, Super User basic authentication only
PUT	/api-key/{id}	This is not available in Swagger, Super User basic authentication only
DELETE	/api-key/{id}	This is not available in Swagger, Super User basic authentication only

### POST /api-key

<b>Required</b>	Super user authentication only
<b>Method</b>	POST
<b>Mandatory Fields</b>	Key, secret, appid
<b>Response Code</b>	201 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/api-key
<b>Response Body</b>	<pre>{   "key": "dh37fgj492ut",   "secret": "sdxnbvnm345689kllm",   "algorithm": "sha256",   "appId": "55bb9c4e028d4b089413ce05",   "id": "584ef3a8ab670e753a7c4af3" }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Mon, 12 Dec 2016 18:59:52 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "Origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Mon, 12 Dec 2016 18:59:52 GMT" }</pre>



<b>GET /api-key</b>	
<b>Required</b>	Super user authentication only
<b>Method</b>	GET
<b>Mandatory Fields</b>	N/A
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/api-key
<b>Response Body</b>	<pre>{   "data": [     {       "key": "dh37fgj492je",       "secret": "werxhqb98rpaxn39848xrunpaw3489ruxnpa98w4rxn",       "algorithm": "sha256",       "appId": "57f4f254a1f1b9b101f536c0",       "id": "5834576506de886263a49542"     },     {       "key": "asdjhaskldasd",       "secret": "asdasal2121",       "algorithm": "sha256",       "appId": "582dbe99f5f1408d71f05491",       "id": "583d8ab992c6c95190de8689"     },     {       "key": "dasd",       "secret": "asdsad",       "algorithm": "sha256",       "appId": "583d8d3192c6c95190de868a",       "id": "583d8d4d92c6c95190de868b"     }   ],   "total": 2,   "limit": 10,   "offset": 0 }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Mon, 12 Dec 2016 18:05:17 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1", }</pre>



	<pre> "X-Backend-Server": "10.76.195.98:8000", "Vary": "origin,accept-encoding", "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS", "Content-Type": "application/json; charset=utf-8", "Access-Control-Allow-Origin": "*", "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization", "Cache-Control": "max-age=0", "Transfer-Encoding": "chunked", "Access-Control-Max-Age": "86400", "Connection": "keep-alive", "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language", "Expires": "Mon, 12 Dec 2016 18:05:17 GMT" } </pre>
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<b>DELETE /api-key/{id}</b>	
<b>Required</b>	Super user authentication only
<b>Method</b>	DELETE
<b>Mandatory Fields</b>	Id (api-id)
<b>Response Code</b>	204 - Successful / 404 - Not Found / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/api-key/584ef3a8ab670e753a7c4af3
<b>Response Body</b>	no content
<b>Response Headers</b>	<pre> { "Date": "Mon, 12 Dec 2016 19:14:11 GMT", "Vary": "origin,accept-encoding", "Server": "nginx/1.8.1", "X-Backend-Server": "10.76.195.98:8000", "Access-Control-Max-Age": "86400", "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS", "Content-Type": "text/plain; charset=UTF-8", "Access-Control-Allow-Origin": "https://api-qa.gls.pearson- intl.com", "Access-Control-Expose-Headers": "WWW-Authenticate, Server- </pre>



	<pre> Authorization", "Cache-Control": "max-age=0", "Connection": "keep-alive", "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language", "Content-Length": "0", "Expires": "Mon, 12 Dec 2016 19:14:11 GMT" } </pre>
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## app

The APIs listed below are linked to their descriptions in this document.

POST	/app	This is not available in Swagger, Super User basic authentication only
GET	/app	
GET	/app/{id}	
PUT	/app/{id}	

<b>POST /app</b>	
<b>Required</b>	Super user authentication only
<b>Method</b>	POST
<b>Mandatory Fields</b>	name, platform, enabled, authentication, appGroup
<b>Response Code</b>	201 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/app
<b>Response Body</b>	<pre> {   "id": "584f1aa3ab670e753a7c4af4",   "name": "Precision",   "platform": "IOS",   "enabled": true,   "authentication": "forgerock",   "appGroup": {     "id": "57fc7c30ec14a69049e8d377",     "name": "test group",     "apps": [       "57fd08adc8a7a0327be12c0e",       "58201e503b117ae8823cde8e"     ]   } } </pre>



	<pre>} }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Mon, 12 Dec 2016 21:46:11 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Mon, 12 Dec 2016 21:46:11 GMT" }</pre>

<b>GET /app</b>	
<b>Method</b>	GET
<b>Mandatory Fields</b>	N/A
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/app
<b>Response Body</b>	<pre>[   {     "id": "55bb9c4e028d4b089413ce05",     "name": "asd",     "description": "ReaderPlus IOS app",     "platform": "IOS",     "enabled": true,     "authentication": "forgerock",     "opts": {       "concurrentDevices": "10"     },   }, ]</pre>





	<pre> "appGroup": {   "id": "56fe43f2484f51cd68b98543",   "name": "Reader+ App Group",   "apps": [     "54b91c74d320966f86ac8c7f",     "555db1225658d59af24baa34",     "57f4f254a1f1b9b101f536c0",     "55bb9c4e028d4b089413ce05",     "5832f37ef5f1408d71f054c6",     "58334247f5f1408d71f054d5"   ] } ] </pre>
<b>Response Headers</b>	<pre> {   "Date": "Mon, 12 Dec 2016 21:41:40 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Mon, 12 Dec 2016 21:41:40 GMT" } </pre>

<b>GET /app/{id}</b>	
<b>Method</b>	GET
<b>Mandatory Fields</b>	Id (appld)
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-ga.gls.pearson-intl.com:443/app/584f1aa3ab670e753a7c4af4



<b>Response Body</b>	<pre>{   "id": "584f1aa3ab670e753a7c4af4",   "name": "Precision",   "platform": "IOS",   "enabled": true,   "authentication": "forgerock",   "appGroup": {     "id": "57fc7c30ec14a69049e8d377",     "name": "test group",     "apps": [       "57fd08adc8a7a0327be12c0e",       "58201e503b117ae8823cde8e",       "584f1aa3ab670e753a7c4af4"     ]   } }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Mon, 12 Dec 2016 21:52:05 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Mon, 12 Dec 2016 21:52:05 GMT" }</pre>

<b>PUT /app/{id}</b>	
<b>Method</b>	<b>PUT</b>
<b>Mandatory Fields</b>	Id (appld)
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized



<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/app/584f1aa3ab670e753a7c4af4
<b>Response Body</b>	<pre>{   "id": "584f1aa3ab670e753a7c4af4",   "name": "Precision Studio",   "platform": "IOS",   "enabled": true,   "authentication": "forgerock",   "appGroup": {     "id": "57fc7c30ec14a69049e8d377",     "name": "test group",     "apps": [       "57fd08adc8a7a0327be12c0e",       "58201e503b117ae8823cde8e",       "584f1aa3ab670e753a7c4af4"     ]   } }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Mon, 12 Dec 2016 21:57:44 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Mon, 12 Dec 2016 21:57:44 GMT" }</pre>

## app-group

The APIs listed below are linked to their descriptions in this document.



POST	/app-group	This is not available in Swagger, Super User basic authentication only
GET	/app-group	
GET	/app-group/{id}	
PUT	/app-group/{id}	This is not available in Swagger, Super User basic authentication only
DELETE	/app-group/{id}	This is not available in Swagger, Super User basic authentication only

### POST /app-group

<b>Required</b>	Super user authentication only
<b>Method</b>	POST
<b>Mandatory Fields</b>	Name (app-group name)
<b>Response Code</b>	201 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/app-group
<b>Response Body</b>	<pre>{   "id": "585035ee87fde206f2b875eb",   "name": "Precision Studio Group",   "apps": [] }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Tue, 13 Dec 2016 17:54:54 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Tue, 13 Dec 2016 17:54:54 GMT" }</pre>



<b>GET /app-group</b>	
<b>Method</b>	GET
<b>Mandatory Fields</b>	N/A
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/app-group
<b>Response Body</b>	<pre>{   "id": "56fe43f2484f51cd68b98543",   "name": "Reader+ App Group",   "apps": [     {       "id": "54b91c74d320966f86ac8c7f",       "name": "ReaderPlus",       "description": "ReaderPlus Android app",       "platform": "as",       "enabled": true,       "authentication": "forgerock",       "opts": {         "concurrentDevices": "10"       },       "appGroup": "56fe43f2484f51cd68b98543"     },     {       "id": "555db1225658d59af24baa34",       "name": "webreader",       "description": "ReaderPlus WEB app",       "platform": "web",       "enabled": true,       "authentication": "forgerock",       "opts": {         "concurrentDevices": "10"       },       "appGroup": "56fe43f2484f51cd68b98543"     },     {       "id": "57f4f254a1f1b9b101f536c0",       "name": "Swagger",       "platform": "readerPlus",       "enabled": true,       "authentication": "forgerock",       "appGroup": "56fe43f2484f51cd68b98543"     }   ] }</pre>



	<pre>}, {   "id": "55bb9c4e028d4b089413ce05",   "name": "asd",   "description": "ReaderPlus IOS app",   "platform": "IOS",   "enabled": true,   "authentication": "forgerock",   "opts": {     "concurrentDevices": "10"   },   "appGroup": "56fe43f2484f51cd68b98543" }, {   "id": "5832f37ef5f1408d71f054c6",   "name": "Testname",   "platform": "android",   "enabled": true,   "authentication": "forgerock",   "appGroup": "56fe43f2484f51cd68b98543" }, {   "id": "58334247f5f1408d71f054d5",   "name": "yiyipm",   "platform": "IOS",   "enabled": true,   "authentication": "forgerock",   "appGroup": "56fe43f2484f51cd68b98543" } ] }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Tue, 13 Dec 2016 18:23:58 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type,</pre>



	<pre>If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language", "Expires": "Tue, 13 Dec 2016 18:23:58 GMT" }</pre>
--	---

### GET /app-group/{id}

<b>Method</b>	GET
<b>Mandatory Fields</b>	Id (app-group id)
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/app-group/57fc7c30ec14a69049e8d377
<b>Response Body</b>	<pre>{   "id": "57fc7c30ec14a69049e8d377",   "name": "test group",   "apps": [     {       "id": "57fd08adc8a7a0327be12c0e",       "name": "test",       "platform": "test",       "enabled": false,       "authentication": "forgerock",       "appGroup": "57fc7c30ec14a69049e8d377"     },     {       "id": "58201e503b117ae8823cde8e",       "name": "test app 1",       "platform": "web",       "enabled": true,       "authentication": "saltare",       "appGroup": "57fc7c30ec14a69049e8d377"     },     {       "id": "584f1aa3ab670e753a7c4af4",       "name": "Precision Studio",       "platform": "IOS",       "enabled": true,       "authentication": "forgerock",       "appGroup": "57fc7c30ec14a69049e8d377"     }   ] }</pre>



<b>Response Headers</b>	<pre>{   "Date": "Tue, 13 Dec 2016 19:10:04 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Tue, 13 Dec 2016 19:10:04 GMT" }</pre>
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<b>PUT /app-group/{id}</b>	
<b>Required</b>	Super user authentication only
<b>Method</b>	PUT
<b>Mandatory Fields</b>	Id (Spp-group id)
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/app-group/57fc7c30ec14a69049e8d377
<b>Response Body</b>	<pre>{   "id": "57fc7c30ec14a69049e8d377",   "name": "test group",   "description": "The Putd app-group",   "apps": [     {       "id": "57fd08adc8a7a0327be12c0e",       "name": "test",       "platform": "test",       "enabled": false,       "authentication": "forgerock",       "appGroup": "57fc7c30ec14a69049e8d377"     }   ] }</pre>





	<pre> }, {   "id": "58201e503b117ae8823cde8e",   "name": "test app 1",   "platform": "web",   "enabled": true,   "authentication": "saltare",   "appGroup": "57fc7c30ec14a69049e8d377" }, {   "id": "584flaa3ab670e753a7c4af4",   "name": "Precision Studio",   "platform": "IOS",   "enabled": true,   "authentication": "forgerock",   "appGroup": "57fc7c30ec14a69049e8d377" } } ] } </pre>
<b>Response Headers</b>	<pre> {   "Date": "Tue, 13 Dec 2016 19:17:07 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Tue, 13 Dec 2016 19:17:07 GMT" } </pre>

***DELETE /app-group/{id}***

<b>Required</b>	Super user authentication only
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<b>Method</b>	DELETE
<b>Mandatory Fields</b>	Id (app-group id)
<b>Response Code</b>	204 - Successful / 404 - Not Found / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/app-group/5832cb97f5f1408d71f054bf
<b>Response Body</b>	no content
<b>Response Headers</b>	<pre>{   "Date": "Tue, 13 Dec 2016 19:23:48 GMT",   "Vary": "origin,accept-encoding",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Access-Control-Max-Age": "86400",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "text/plain; charset=UTF-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Content-Length": "0",   "Expires": "Tue, 13 Dec 2016 19:23:48 GMT" }</pre>

## authenticate

POST /authenticate

### POST /authenticate

<b>Method</b>	POST
<b>Mandatory Fields</b>	appid, user name, password
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized



<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/authenticate
<b>Response Body</b>	<pre>{   "token":   "NzkwNTBkMWItN2QwNy00ZTI5LWE1ODUtY2M1ZDg3MGFkZWY4OjoxNDc2OTY2NDYw   MTY4OnNEa2poZmtqOHlobjhmaWc=" }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Tue, 15 Nov 2016 14:33:06 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH,   DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-   intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-   Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type,   If-None-Match, appid, token, assetid, asseturl, deviceid,   appversion, user-agent, Accept-Language",   "Expires": "Tue, 15 Nov 2016 14:33:06 GMT" }</pre>

## authorize

GET /authorize

### GET /authorize

<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/authorize
<b>Response Body</b>	{



	<pre>"valid": true }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Tue, 13 Dec 2016 20:06:09 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Tue, 13 Dec 2016 20:06:09 GMT" }</pre>

## batch

POST /batch

N/A

## book

The APIs listed below are linked to their descriptions in this document.

POST /book

GET /book/{id}

DELETE /book/{id}

GET /book/{id}/content/private/{content\*}

GET /book/{id}/content/public/{content\*}

### **POST /book/{id}**

<b>Method</b>	GET
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<b>Mandatory Fields</b>	appid, token, file, bookcover, uuid, productid
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/book
<b>Response Body</b>	-
<b>Response Headers</b>	<pre>{   "Date": "Fri, 23 Dec 2016 14:20:59 GMT",   "Content-Encoding": "gzip",   "Vary": "origin,accept-encoding",   "Server": "nginx/1.8.1",   "Access-Control-Max-Age": "86400",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "no-cache",   "Transfer-Encoding": "chunked",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language" }</pre>

**GET /book/{id}**

<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token, id(bookid)
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/book/57a9b4508b702e4ba9ca9c13
<b>Response Body</b>	<pre>{   "id": "57a9b4508b702e4ba9ca9c13",   "metadata": {     "contentPath": "resources/products/epubs/generated-qa/a8c9e307-e54f-4c0f-b5a5-a4058efb0226/",     "role": "student",     "type": "pdf",   } }</pre>



	<pre> "allowedPageNavigation": "vertical", "encpwd": "SL6sS37iANxAR1YqaVwLE5A3XhFMPx6w2dtiWlnEtpwa7RINX7ca5HXAzJoBhGKo ", "url": "http://cdn.gloss.pearson- intl.com/resources/products/epubs/generated-qa/a8c9e307-e54f- 4c0f-b5a5-a4058efb0226/63252f70-5e1e-11e6-81ae- 59a4cec3a3e896c41b91-f0cb-11e5-b73a-e3f8b28054ceD909719A-F9BA- 4DF3-A337-4A1AD413F2CA-9780273790778.zip", "coverImageUrl": "http://cdn.gloss.pearson- intl.com/resources/products/epubs/generated-qa/a8c9e307-e54f- 4c0f-b5a5-a4058efb0226/D909719A-F9BA-4DF3-A337-4A1AD413F2CA- 9780273790778_cover.png", "layout": [ "portrait_single_page", "landscape_single_page" ] }, "toc": [], "pages": [] } </pre>
<b>Response Headers</b>	<pre> { "Date": "Fri, 23 Dec 2016 14:09:37 GMT", "Content-Encoding": "gzip", "Server": "nginx/1.8.1", "X-Backend-Server": "10.76.195.99:8000", "Vary": "origin,accept-encoding", "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS", "Content-Type": "application/json; charset=utf-8", "Access-Control-Allow-Origin": "*", "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization", "Cache-Control": "max-age=0", "Transfer-Encoding": "chunked", "Access-Control-Max-Age": "86400", "Connection": "keep-alive", "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language", "Expires": "Fri, 23 Dec 2016 14:09:37 GMT" } </pre>

**DELETE /book/{id}**

<b>Method</b>	DELETE
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<b>Mandatory Fields</b>	Appid, token, id (bookid)
<b>Response Code</b>	204 - Successful / 404 - Not Found / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/book/56f248a2226b031530f1a82b
<b>Response Body</b>	no content
<b>Response Headers</b>	<pre>{   "Date": "Fri, 23 Dec 2016 14:34:33 GMT",   "Vary": "origin,accept-encoding",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Access-Control-Max-Age": "86400",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "text/plain; charset=UTF-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Content-Length": "0",   "Expires": "Fri, 23 Dec 2016 14:34:33 GMT" }</pre>

### **GET /book/{id}/content/private/{content}**

<b>Required</b>	Authorization
<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/book/{id}/content/private/{content*}
<b>Response Body</b>	-



<b>Response Headers</b>	<pre>{   "Date": "Fri, 23 Dec 2016 15:00:51 GMT",   "Content-Encoding": "gzip",   "Vary": "origin,accept-encoding",   "Server": "nginx/1.8.1",   "Access-Control-Max-Age": "86400",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "no-cache",   "Transfer-Encoding": "chunked",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language" }</pre>
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<b>GET /book/{id}/content/public/{content}</b>	
<b>Required</b>	Authorization
<b>Method</b>	GET
<b>Mandatory Fields</b>	-
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/book/{id}/content/public/{content*}
<b>Response Body</b>	-
<b>Response Headers</b>	<pre>{   "Date": "Fri, 23 Dec 2016 14:56:39 GMT",   "Content-Encoding": "gzip",   "Vary": "origin,accept-encoding",   "Server": "nginx/1.8.1",   "Access-Control-Max-Age": "86400",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization", }</pre>





	<pre>"Cache-Control": "no-cache", "Transfer-Encoding": "chunked", "Connection": "keep-alive", "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language" }</pre>
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## chunkBook

N/A

### course

The APIs listed below are linked to their descriptions in this document.

POST	/course
GET	/course
GET	/course/{id}
PUT	/course/{id}
GET	/course/{id}/coursesection

<b>POST /course</b>	
<b>Method</b>	POST
<b>Mandatory Fields</b>	appid, token, name
<b>Response Code</b>	201 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/course
<b>Response Body</b>	<pre>{   "id": "584ae1344a3811d64ace6da6",   "name": "AA Intro to Test" }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Fri, 09 Dec 2016 16:52:04 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS", }</pre>



	<pre> "Content-Type": "application/json; charset=utf-8", "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com", "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization", "Cache-Control": "max-age=0", "Transfer-Encoding": "chunked", "Access-Control-Max-Age": "86400", "Connection": "keep-alive", "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language", "Expires": "Fri, 09 Dec 2016 16:52:04 GMT" } </pre>
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<b>GET /course</b>	
<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/course
<b>Response Body</b>	<pre> [   {     "id": "5732d6c31bed923143f9403b",     "name": "AutomationTesting1234"   } ] </pre>
<b>Response Headers</b>	<pre> {   "Date": "Fri, 09 Dec 2016 17:20:40 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400", </pre>



	<pre>"Connection": "keep-alive", "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language", "Expires": "Fri, 09 Dec 2016 17:20:40 GMT" }</pre>
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<b>GET /course/{id}</b>	
<b>Method</b>	appid, token, id
<b>Mandatory Fields</b>	GET
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/course/5732d6c31bed923143f9403b
<b>Response Body</b>	<pre>{   "id": "5732d6c31bed923143f9403b",   "name": "AutomationTesting1234" }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Fri, 09 Dec 2016 17:26:43 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Fri, 09 Dec 2016 17:26:43 GMT" }</pre>



<b>PUT /course/{id}</b>	
<b>Method</b>	PUT
<b>Mandatory Fields</b>	appid, Token, iD (Course id)
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/course/5732d6c31bed923143f9403b
<b>Response Body</b>	<pre>{   "id": "5732d6c31bed923143f9403b",   "name": "AutomationTesting1234",   "description": "aac" }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Wed, 14 Dec 2016 21:33:47 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Wed, 14 Dec 2016 21:33:47 GMT" }</pre>

<b>GET /course/{id}/coursesection</b>	
<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, Token, iD (Course id)



<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/course/5732d6c31bed923143f9403b/coursesection
<b>Response Body</b>	[ ]
<b>Response Headers</b>	<pre>{   "Date": "Wed, 14 Dec 2016 21:42:46 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Wed, 14 Dec 2016 21:42:46 GMT" }</pre>

## coursesection

The APIs listed below are linked to their descriptions in this document.

POST	/coursesection
GET	/coursesection
GET	/coursesection/{id}
PUT	/coursesection/{id}
DELETE	/coursesection/{id}
GET	/coursesection/{id}/license
GET	/coursesection/{id}/product
GET	/coursesection/{id}/student
GET	/coursesection/{id}/teacher



<b>POST /coursesection</b>	
<b>Method</b>	POST
<b>Mandatory Fields</b>	appid, token, name (coursesection)
<b>Response Code</b>	201 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/coursesection
<b>Response Body</b>	<pre>{   "id": "585d4f05572ff4266efa5184",   "name": "API Document Section",   "lessons": [] }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Fri, 23 Dec 2016 16:21:25 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Fri, 23 Dec 2016 16:21:25 GMT" }</pre>

<b>GET /coursesection</b>	
<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized



<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/coursesection
<b>Response Body</b>	<pre>[   {     "id": "58071111f3cdf9c81f64b8ca",     "name": "Test name",     "sectionCode": "Test sharan course section code",     "lessons": [],     "start": "2016-10-11T18:30:00.000Z",     "end": "2016-10-30T18:30:00.000Z"   },   {     "id": "56fbc613ad0eb2ec4864eb9d",     "name": "LocalCDNSchoolTesting",     "sectionCode": "LocalCDNSchoolTesting",     "lessons": [],     "start": "2016-03-29T18:30:00.000Z",     "end": "2017-03-30T18:30:00.000Z"   } ]</pre>
<b>Response Headers</b>	<pre>{   "Date": "Fri, 23 Dec 2016 16:15:59 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Fri, 23 Dec 2016 16:15:59 GMT" }</pre>

**GET /coursesection/{id}**

<b>Method</b>	GET
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<b>Mandatory Fields</b>	appid, token, id (coursesection)
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/coursesection/5735a81cae88e43d1f83a9c2
<b>Response Body</b>	<pre>{   "id": "5735a81cae88e43d1f83a9c2",   "name": "MTC",   "sectionCode": "My Test Course",   "lessons": [],   "start": "2016-05-12T18:30:00.000Z",   "end": "2017-05-30T18:30:00.000Z" }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Fri, 06 Jan 2017 16:25:20 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Fri, 06 Jan 2017 16:25:20 GMT" }</pre>

**PUT /coursesection/{id}**

<b>Method</b>	PUT
<b>Mandatory Fields</b>	appid, token, id (coursesection)
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-





	intl.com:443/coursesection/5735a81cae88e43d1f83a9c2
<b>Response Body</b>	<pre>{   "id": "5735a81cae88e43d1f83a9c2",   "name": "MTC",   "sectionCode": "245",   "lessons": [],   "start": "2016-05-12T18:30:00.000Z",   "end": "2017-05-30T18:30:00.000Z" }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Fri, 06 Jan 2017 16:31:29 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Fri, 06 Jan 2017 16:31:29 GMT" }</pre>

### ***DELETE /coursesection/{id}***

<b>Method</b>	DELETE
<b>Mandatory Fields</b>	Appid, token, id (course section)
<b>Response Code</b>	204 - Successful / 404 - Not Found / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/coursesection/58779a3083f65447d00f6d75
<b>Response Body</b>	no content



<b>Response Headers</b>	<pre>{   "Date": "Thu, 12 Jan 2017 15:01:36 GMT",   "Vary": "origin,accept-encoding",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Access-Control-Max-Age": "86400",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "text/plain; charset=UTF-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson- intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization",   "Cache-Control": "max-age=0",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Content-Length": "0",   "Expires": "Thu, 12 Jan 2017 15:01:36 GMT" }</pre>
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<b>GET /coursesection/{id}/license</b>	
<b>Method</b>	GET
<b>Mandatory Fields</b>	Appid, token, id (course section)
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/coursesection/577d33369f2c3ad6a0073a05/license
<b>Response Body</b>	<pre>[   {     "id": "577d2f15f9905f540889fdeb",     "school": "577d2e1b9f2c3ad6a0073a03",     "product": {       "id": "5755c11a471d592a08778c4c",       "coverImageURL": "5755c155f80ea5609adf73b8",       "title": "PDF Italian",       "author": "NA",       "books": [         "5755c155f80ea5609adf73b7"       ],       "epubURL": "http://cdn.gloss.pearson- intl.com/resources/products/epubs/generated-qa/cad17d0e-1728-</pre>



	<pre>4fb1-b93e-35521fc0cb18/c595b670-2c14-11e6-8f8e- f581f428f1e99788839526991A_R.zip",   "encpwd": "FJyPCP8fJhAfx7lNQWxcib7t5vrfMpIcRNHsPvI7BN1sagHU5Ibyk39lmPly6EId ",   "allowedPageNavigation": "vertical",   "layout": [     "portrait_single_page",     "landscape_single_page"   ] }, "courseSections": [   {     "id": "577d33369f2c3ad6a0073a05",     "name": "Intro to Management",     "sectionCode": "Mgt 101",     "lessons": [],     "start": "2016-07-06T04:00:00.000Z",     "end": "2016-10-31T04:00:00.000Z"   } ], "seats": 100, "remainingSeats": 99, "start": "2016-07-06T04:00:00.000Z", "end": "2017-10-06T04:00:00.000Z" } ]</pre>
<b>Response Headers</b>	<pre>{   "Date": "Wed, 11 Jan 2017 21:39:56 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Wed, 11 Jan 2017 21:39:56 GMT" }</pre>

**GET /coursesection/{id}/product**

<b>Method</b>	GET
<b>Mandatory Fields</b>	Appid, token, id (course section)
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/coursesection/577d33369f2c3ad6a0073a05/product
<b>Response Body</b>	<pre>[   {     "id": "5755c11a471d592a08778c4c",     "coverImageURL": {       "id": "5755c155f80ea5609adf73b8",       "url": "http://cdn.gloss.pearson-intl.com/resources/products/epubs/generated-qa/cad17d0e-1728-4fb1-b93e-35521fc0cb18/9788839526991A_R.png"     },     "title": "PDF Italian",     "author": "NA",     "books": [       {         "id": "5755c155f80ea5609adf73b7",         "metadata": {           "contentPath": "resources/products/epubs/generated-qa/cad17d0e-1728-4fb1-b93e-35521fc0cb18/",           "role": "student",           "type": "pdf",           "allowedPageNavigation": "vertical",           "encpwd": "FJyPCP8fJhAfX7lNQWxcib7t5vrfMpIcRNHsPvI7BN1sagHU5Ibyk391mPly6EId",           "url": "http://cdn.gloss.pearson-intl.com/resources/products/epubs/generated-qa/cad17d0e-1728-4fb1-b93e-35521fc0cb18/c595b670-2c14-11e6-8f8e-f581f428f1e99788839526991A_R.zip",           "coverImageUrl": "http://cdn.gloss.pearson-intl.com/resources/products/epubs/generated-qa/cad17d0e-1728-4fb1-b93e-35521fc0cb18/9788839526991A_R.png",           "layout": [             "portrait_single_page",             "landscape_single_page"           ]         }       }     ],     "toc": [],   } ]</pre>



	<pre>       "pages": []     }   ],   "epubURL": "http://cdn.gloss.pearson- intl.com/resources/products/epubs/generated-qa/cad17d0e-1728- 4fb1-b93e-35521fc0cb18/c595b670-2c14-11e6-8f8e- f581f428f1e99788839526991A_R.zip",   "encpwd": "FJyPCP8fJhAfx7lNQWxcib7t5vrfMpIcRNHsPvI7BN1sagHU5Ibyk39lmPly6EId ",   "allowedPageNavigation": "vertical",   "layout": [     "portrait_single_page",     "landscape_single_page"   ] } ] </pre>
<b>Response Headers</b>	<pre> {   "Date": "Wed, 11 Jan 2017 22:11:17 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Wed, 11 Jan 2017 22:11:17 GMT" } </pre>

<b>GET /coursesection/{id}/student</b>	
<b>Method</b>	GET
<b>Mandatory Fields</b>	Appid, token, id (course section)
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized



<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/coursesection/5747f1a3a3ad645834b91900/student
<b>Response Body</b>	<pre>[   {     "id": "5747f20aa3ad645834b91901",     "userId": "da48fbc139b742cdaa48cd1eec435861",     "username": "dg@uat.com",     "name": "durga durga",     "firstName": "durga",     "lastName": "durga",     "email": "dg@uat.com",     "loggedIn": "2017-01-10T10:17:52.355Z",     "createdBy": "test_school_admin@pearson.com",     "role": "student"   },   {     "id": "574d3727ad7bf0430933289a",     "userId": "b9fcbd14aec94e6789a54d54ac47bac6",     "username": "hari2@uat.com",     "name": "hari baskar",     "firstName": "hari",     "lastName": "baskar",     "email": "hari2@uat.com",     "loggedIn": "2016-05-31T07:36:17.783Z",     "role": "student"   },   {     "id": "574d377740c04250086b67bc",     "userId": "f31ee0b058544ea4876d50a137edd966",     "username": "haril@uat.com",     "name": "haril baskar",     "firstName": "haril",     "lastName": "baskar",     "email": "haril@uat.com",     "loggedIn": "2016-05-31T08:25:40.753Z",     "role": "student"   },   {     "id": "574fc4e4ba24b9f63583fb27",     "userId": "a871848b4d7142f9bcb3b9801e9db95d",     "username": "jaffir2@uat.com",     "name": "jaffir 2",     "firstName": "jaffir",     "lastName": "2",     "email": "jaffir2@uat.com",     "loggedIn": "2016-06-01T12:47:09.519Z",     "role": "student"   } ]</pre>



	<pre> } ] </pre>
<b>Response Headers</b>	<pre> {   "Date": "Thu, 12 Jan 2017 14:49:36 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Thu, 12 Jan 2017 14:49:36 GMT" } </pre>

**GET /coursesection/{id}/teacher**

<b>Method</b>	GET
<b>Mandatory Fields</b>	Appid, token, id (course section)
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/coursesection/5747f1a3a3ad645834b91900/teacher
<b>Response Body</b>	<pre> {   "id": "57426d5ae3a5d04ddd0b4573",   "userId": "0285380a478c4c2fa3d1be3bd5f7cf18",   "username": "teacher@qa.com",   "name": "Teacher QA",   "firstName": "Teacher",   "lastName": "QA",   "email": "teacher@qa.com",   "roles": [     "teacher"   ], } </pre>



	<pre>"loggedIn": "2016-05-20T11:49:42.261Z" }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Thu, 12 Jan 2017 14:49:54 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Thu, 12 Jan 2017 14:49:54 GMT" }</pre>

## enrollment

N/A

## external

N/A

## heartbeat

GET /heartbeat





<b>GET /heartbeat</b>	
<b>Method</b>	GET
<b>Mandatory Fields</b>	N/A
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/heartbeat
<b>Response Body</b>	{}
<b>Response Headers</b>	<pre>{   "Date": "Tue, 03 Jan 2017 16:47:46 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Tue, 03 Jan 2017 16:47:46 GMT" }</pre>

## highlight

The APIs listed below are linked to their descriptions in this document.

POST	/highlight
POST	/highlight/share/{courseSectionId}
GET	/highlight/source/{sourceId}
GET	/highlight/{id}



PUT	/highlight/{id}
DELETE	/highlight/{id}

<b>POST /highlight</b>	
<b>Method</b>	POST
<b>Mandatory Fields</b>	appid, token, sourceId, pageId, user
<b>Response Code</b>	201 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/highlight
<b>Response Body</b>	<pre>{   "id": "586bd9a3f17ea7ae98815f3e",   "pageId": "112",   "creationTime": "2017-01-03T17:04:35.687Z",   "updatedAt": "2017-01-03T17:04:35.687Z",   "sourceType": "highlight",   "user": "581a24ce5f6547784e7cdc9d",   "sourceId": "11244" }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Tue, 03 Jan 2017 17:04:35 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Tue, 03 Jan 2017 17:04:35 GMT" }</pre>



<b>POST /highlight/share/{coursesectionId}</b>	
<b>Method</b>	POST
<b>Mandatory Fields</b>	appid, token, sourceId, pageId, coursesectionId
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/highlight/share/573cbd796cc6b33e08647d51
<b>Response Body</b>	<pre>{   "copies": 1 }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Tue, 03 Jan 2017 17:40:15 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Tue, 03 Jan 2017 17:40:15 GMT" }</pre>

<b>GET /highlight/source/{sourceId}</b>	
<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token, sourceId
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized



<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/highlight/source/11244
<b>Response Body</b>	[]
<b>Response Headers</b>	<pre>{   "Date": "Tue, 03 Jan 2017 20:28:02 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Tue, 03 Jan 2017 20:28:02 GMT" }</pre>

**GET /highlight/{id}**

<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token, Id (highlight id)
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/highlight/586bd9a3f17ea7ae98815f3e
<b>Response Body</b>	<pre>{   "id": "586bd9a3f17ea7ae98815f3e",   "pageId": "112",   "creationTime": "2017-01-03T17:04:35.687Z",   "updatedAt": "2017-01-03T17:04:35.687Z",   "sourceType": "highlight",   "user": "581a24ce5f6547784e7cdc9d",   "sourceId": "11244" }</pre>



<b>Response Headers</b>	<pre>{   "Date": "Tue, 03 Jan 2017 20:31:40 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Tue, 03 Jan 2017 20:31:40 GMT" }</pre>
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<b>PUT /highlight/{id}</b>	
<b>Method</b>	PUT
<b>Mandatory Fields</b>	appid, token, Id (highlight id)
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-ga.gls.pearson-intl.com:443/highlight/586bd9a3f17ea7ae98815f3e
<b>Response Body</b>	<pre>{   "id": "586bd9a3f17ea7ae98815f3e",   "pageId": "999",   "creationTime": "2017-01-03T17:04:35.687Z",   "updatedAt": "2017-01-03T20:37:10.613Z",   "user": "581a24ce5f6547784e7cdc9d",   "sourceId": "11244" }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Tue, 03 Jan 2017 20:37:10 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000", }</pre>



	<pre> "Vary": "origin,accept-encoding", "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS", "Content-Type": "application/json; charset=utf-8", "Access-Control-Allow-Origin": "https://api-qa.gls.pearson- intl.com", "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization", "Cache-Control": "max-age=0", "Transfer-Encoding": "chunked", "Access-Control-Max-Age": "86400", "Connection": "keep-alive", "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language", "Expires": "Tue, 03 Jan 2017 20:37:10 GMT" }         </pre>
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<b><i>DELETE /highlight/{id}</i></b>	
<b>Method</b>	DELETE
<b>Mandatory Fields</b>	appid, token, Id (highlight id)
<b>Response Code</b>	204 - Successful / 404 - Not Found / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/highlight/586bd9a3f17ea7ae98815f3e
<b>Response Body</b>	no content
<b>Response Headers</b>	<pre> { "Date": "Tue, 03 Jan 2017 20:58:46 GMT", "Vary": "origin,accept-encoding", "Server": "nginx/1.8.1", "X-Backend-Server": "10.76.195.98:8000", "Access-Control-Max-Age": "86400", "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS", "Content-Type": "text/plain; charset=UTF-8", "Access-Control-Allow-Origin": "https://api-qa.gls.pearson- intl.com", "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization", "Cache-Control": "max-age=0", "Connection": "keep-alive", "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid,         </pre>



	<pre> appversion, user-agent, Accept-Language", "Content-Length": "0", "Expires": "Tue, 03 Jan 2017 20:58:46 GMT" } </pre>
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## license

The APIs listed below are linked to their descriptions in this document.

POST	/license
GET	/license/{id}
PUT	/license/{id}
DELETE	/license/{id}
PATCH	/license/{id}/provision/coursesection

<b>POST /license</b>	
<b>Method</b>	POST
<b>Mandatory Fields</b>	appid, token, product, school, seats, start, end
<b>Response Code</b>	201 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/license
<b>Response Body</b>	<pre> {   "id": "586cfe6a71c03d30a2164769",   "school": {     "id": "577d2e1b9f2c3ad6a0073a03",     "name": "Precision Studio School",     "address1": "146-45 60th Avenue",     "address2": "POB 20",     "city": "Flushing",     "state": "NY",     "postcode": "11355",     "country": "United States",     "countryCode": "US",     "website": "www.precisionstudio.net", </pre>



	<pre> "phone": "718-864-8446", "email": "pmolchan@gmail.com", "localCDNs": [], "courses": [   "5821f761015ca85e83c1f92d" ], "courseSections": [   "577d33369f2c3ad6a0073a05" ] }, "product": "56fcf2f63e8d2701ddb9ead9", "courseSections": [], "seats": 10, "remainingSeats": 10, "start": "2017-02-27T00:00:00.000Z", "end": "2017-03-27T00:00:00.000Z" } </pre>
<b>Response Headers</b>	<pre> {   "Date": "Wed, 04 Jan 2017 13:53:46 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Wed, 04 Jan 2017 13:53:46 GMT" } </pre>

<b>GET /license/{id}</b>	
<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token, id (license)





<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/license/586cfe6a71c03d30a2164769
<b>Response Body</b>	<pre>{   "id": "586cfe6a71c03d30a2164769",   "school": {     "id": "577d2e1b9f2c3ad6a0073a03",     "name": "Precision Studio School",     "address1": "146-45 60th Avenue",     "address2": "POB 20",     "city": "Flushing",     "state": "NY",     "postcode": "11355",     "country": "United States",     "countryCode": "US",     "website": "www.precisionstudio.net",     "phone": "718-864-8446",     "email": "pmolchan@gmail.com",     "localCDNs": [],     "courses": [       "5821f761015ca85e83c1f92d"     ],     "courseSections": [       "577d33369f2c3ad6a0073a05"     ]   },   "product": "56fcf2f63e8d2701ddb9ead9",   "courseSections": [],   "seats": 10,   "remainingSeats": 10,   "start": "2017-02-27T00:00:00.000Z",   "end": "2017-03-27T00:00:00.000Z" }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Wed, 04 Jan 2017 13:54:44 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0", }</pre>



	<pre>"Transfer-Encoding": "chunked", "Access-Control-Max-Age": "86400", "Connection": "keep-alive", "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language", "Expires": "Wed, 04 Jan 2017 13:54:44 GMT" }</pre>
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<b>PUT /license/{id}</b>	
<b>Method</b>	PUT
<b>Mandatory Fields</b>	appid, token, product, school, seats, start, end
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/license/586cfe6a71c03d30a2164769
<b>Response Body</b>	<pre>{   "id": "586cfe6a71c03d30a2164769",   "school": {     "id": "577d2e1b9f2c3ad6a0073a03",     "name": "Precision Studio School",     "address1": "146-45 60th Avenue",     "address2": "POB 20",     "city": "Flushing",     "state": "NY",     "postcode": "11355",     "country": "United States",     "countryCode": "US",     "website": "www.precisionstudio.net",     "phone": "718-864-8446",     "email": "pmolchan@gmail.com",     "localCDNs": [],     "courses": [       "5821f761015ca85e83c1f92d"     ],     "courseSections": [       "577d33369f2c3ad6a0073a05"     ]   },   "product": "56fcf2f63e8d2701ddb9ead9",   "courseSections": [],   "seats": 5, }</pre>



	<pre>"remainingSeats": 10, "start": "2017-02-27T00:00:00.000Z", "end": "2017-03-27T00:00:00.000Z" }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Wed, 04 Jan 2017 14:31:03 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Wed, 04 Jan 2017 14:31:03 GMT" }</pre>

### **DELETE /license/{id}**

<b>Method</b>	DELETE
<b>Mandatory Fields</b>	appid, token, id (license)
<b>Response Code</b>	204 - Successful / 404 - Not Found / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/license/586cfe6a71c03d30a2164769
<b>Response Body</b>	no content
<b>Response Headers</b>	<pre>{   "Date": "Wed, 04 Jan 2017 15:40:30 GMT",   "Vary": "origin,accept-encoding",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Access-Control-Max-Age": "86400", }</pre>



	<pre> "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS", "Content-Type": "text/plain; charset=UTF-8", "Access-Control-Allow-Origin": "https://api-qa.gls.pearson- intl.com", "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization", "Cache-Control": "max-age=0", "Connection": "keep-alive", "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language", "Content-Length": "0", "Expires": "Wed, 04 Jan 2017 15:40:30 GMT" } </pre>
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<b>PATCH /license/{id}/provision/coursesection</b>	
<b>Method</b>	PATCH
<b>Mandatory Fields</b>	appid, token, id (license), provision or course section
<b>Response Code</b>	201 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/license/586cfe6a71c03d30a2164769/provision/coursesection
<b>Response Body</b>	<pre> {   "id": "586cfe6a71c03d30a2164769",   "school": {     "id": "577d2e1b9f2c3ad6a0073a03",     "name": "Precision Studio School",     "address1": "146-45 60th Avenue",     "address2": "POB 20",     "city": "Flushing",     "state": "NY",     "postcode": "11355",     "country": "United States",     "countryCode": "US",     "website": "www.precisionstudio.net",     "phone": "718-864-8446",     "email": "pmolchan@gmail.com",     "localCDNs": [],     "courses": [       "5821f761015ca85e83c1f92d"     ]   } } </pre>



	<pre> "courseSections": [   "577d33369f2c3ad6a0073a05" ] }, "product": "56fcf2f63e8d2701ddb9ead9", "courseSections": [], "seats": 5, "remainingSeats": 5, "start": "2017-02-27T00:00:00.000Z", "end": "2017-03-27T00:00:00.000Z" } </pre>
<b>Response Headers</b>	<pre> {   "Date": "Wed, 04 Jan 2017 14:41:00 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Wed, 04 Jan 2017 14:41:00 GMT" } </pre>

## logout

POST /logout

<b>POST</b>	
<b>Method</b>	POST
<b>Mandatory Fields</b>	appid, token
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized



	201 - Successful / 400 - Bad Request / 401 - Unauthorized 204 - Successful / 404 - Not Found / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/logoff
<b>Response Body</b>	<pre>{   "status": "logoff success" }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Tue, 21 Mar 2017 19:17:37 GMT",   "Content-Encoding": "gzip",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "X-Backend-Server": "10.76.195.98:8000",   "Pragma": "no-cache",   "Server": "nginx/1.8.1",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson- intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization",   "Cache-Control": "max-age=0, no-cache, no-store, must- revalidate",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Tue, 21 Mar 2017 19:17:37 GMT" }</pre>

## media

N/A

## product

The APIs listed below are linked to their descriptions in this document.

<b>POST</b>	/product
<b>GET</b>	/product



GET	/product/ingest	API for testing Equella ingestion - Long running API
GET	/product/{id}	
PUT	/product/{id}	
DELETE	/product/{id}	
GET	/product/{resource}/{id}	This is deprecated

<b>POST /product</b>	
<b>Method</b>	POST
<b>Mandatory Fields</b>	appid,token, title (product)
<b>Response Code</b>	201 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/product
<b>Response Body</b>	<pre>{   "id": "586d35db3a3e4a720df33a42",   "coverImageURL": {     "id": "586d35db3a3e4a720df33a41"   },   "title": "Management Principals",   "books": [],   "layout": [] }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Wed, 04 Jan 2017 17:50:19 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type,</pre>



	<pre>If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language", "Expires": "Wed, 04 Jan 2017 17:50:19 GMT" }</pre>
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<b>GET /product</b>	
<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/product
<b>Response Body</b>	<pre>[   {     "id": "56fcf1069147bb120d0b9de7",     "coverImageURL": {       "id": "56fcf2f63e8d2701ddb9eada",       "url": "http://cdn.gloss.pearson- intl.com/resources/products/epubs/generated-qa/de3d4ca2-ee0c- 473f-979d-69fe0e2f49b7/AuditingNotes_image.png"     },     "title": "Pulse PDF product",     "author": "test",     "books": [       {         "id": "56fcf2f63e8d2701ddb9ead9",         "metadata": {           "contentPath": "resources/products/epubs/generated- qa/de3d4ca2-ee0c-473f-979d-69fe0e2f49b7/",           "role": "student",           "type": "pdf",           "allowedPageNavigation": "horizontal",           "url": "http://cdn.gloss.pearson- intl.com/resources/products/epubs/generated-qa/de3d4ca2-ee0c- 473f-979d-69fe0e2f49b7/091bc160-f726-11e5-bb4d- f90b6de99bbdAuditingNotes.pdf",           "coverImageUrl": "http://cdn.gloss.pearson- intl.com/resources/products/epubs/generated-qa/de3d4ca2-ee0c- 473f-979d-69fe0e2f49b7/AuditingNotes_image.png",           "layout": [             "portrait_single_page,landscape_single_page"           ]         }       }     ]   } ]</pre>





	<pre>    }   ],   "epubURL": "http://cdn.gloss.pearson- intl.com/resources/products/epubs/generated-qa/de3d4ca2-ee0c- 473f-979d-69fe0e2f49b7/091bc160-f726-11e5-bb4d- f90b6de99bbdAuditingNotes.pdf",   "description": "pulse dev product",   "allowedPageNavigation": "horizontal",   "layout": [     "portrait_single_page,landscape_single_page"   ] }, {   "id": "586cdd513a3e4a720df33a30",   "coverImageURL": {     "id": "586cddf83a3e4a720df33a32",     "url": "http://cdn.gloss.pearson- intl.com/resources/products/epubs/generated-qa/fb21e12a-8ec2- 4a07-9ffc-c79c763b11c5/D909719A-F9BA-4DF3-A337-4A1AD413F2CA- 9780273790778_cover.png"   },   "title": "testproductdesktop1",   "books": [     {       "id": "586cddf83a3e4a720df33a31",       "metadata": {         "contentPath": "resources/products/epubs/generated- qa/fb21e12a-8ec2-4a07-9ffc-c79c763b11c5/",         "role": "student",         "type": "pdf",         "allowedPageNavigation": "vertical",         "encpwd": "MjILFiTWotrbI5XMGYJxPXos7qx4tTcvG/lLvdSOFps0CXGrmEQiE3AX7LF5A+kb ",         "url": "http://cdn.gloss.pearson- intl.com/resources/products/epubs/generated-qa/fb21e12a-8ec2- 4a07-9ffc-c79c763b11c5/da200dd0-d271-11e6-bae2- d33a5873fde2pdf.zip",         "coverImageUrl": "http://cdn.gloss.pearson- intl.com/resources/products/epubs/generated-qa/fb21e12a-8ec2- 4a07-9ffc-c79c763b11c5/D909719A-F9BA-4DF3-A337-4A1AD413F2CA- 9780273790778_cover.png",         "desktopUrl": "http://cdn.gloss.pearson- intl.com/resources/products/epubs/generated-qa/fb21e12a-8ec2- 4a07-9ffc-c79c763b11c5/desktop-asset/da200dd0-d271-11e6-bae2- d33a5873fde2pdf.zip",         "layout": [           "portrait_single_page",</pre>
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	<pre>        "landscape_single_page"       ]     }   } ], "epubURL": "http://cdn.gloss.pearson- intl.com/resources/products/epubs/generated-qa/fb21e12a-8ec2- 4a07-9ffc-c79c763b11c5/da200dd0-d271-11e6-bae2- d33a5873fde2pdf.zip", "encpwd": "MjILFiTWotrbI5XMGYJxPXos7qx4tTcvG/lLvdSOFps0CXGrmEQiE3AX7LF5A+kb ", "allowedPageNavigation": "vertical", "layout": [   "portrait_single_page",   "landscape_single_page" ] } ]</pre>
<b>Response Headers</b>	<pre>{   "Date": "Wed, 04 Jan 2017 17:49:05 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Wed, 04 Jan 2017 17:49:05 GMT" }</pre>



### GET /product/ingest

API for testing Equella ingestion - Long running API

<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/product/ingest
<b>Response Body</b>	<pre>{   "processed": 0,   "success": 0,   "error": 0 }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Wed, 04 Jan 2017 20:45:26 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Wed, 04 Jan 2017 20:45:26 GMT" }</pre>

### GET /product/{id}

<b>Method</b>	GET
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<b>Mandatory Fields</b>	Appid, token, id (product)
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/product/586d35db3a3e4a720df33a42
<b>Response Body</b>	<pre>{   "id": "586d35db3a3e4a720df33a42",   "coverImageURL": {     "id": "586d35db3a3e4a720df33a41"   },   "title": "Management Principals",   "books": [],   "layout": [] }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Wed, 04 Jan 2017 20:24:30 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Wed, 04 Jan 2017 20:24:30 GMT" }</pre>

**PUT /product/{id}**

<b>Method</b>	PUT
<b>Mandatory Fields</b>	appid, token, id (product)
<b>Response Code</b>	201 - Successful / 400 - Bad Request / 401 - Unauthorized



<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/product/586d35db3a3e4a720df33a42
<b>Response Body</b>	<pre>{   "id": "586d35db3a3e4a720df33a42",   "coverImageURL": {     "id": "586d35db3a3e4a720df33a41"   },   "title": "Intro to Management",   "books": [],   "layout": [] }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Wed, 04 Jan 2017 20:36:01 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Wed, 04 Jan 2017 20:36:01 GMT" }</pre>

**DELETE /product/{id}**

<b>Method</b>	DELETE
<b>Mandatory Fields</b>	appid, token, id (product)
<b>Response Code</b>	204 - Successful / 404 - Not Found / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/product/586d35db3a3e4a720df33a42



<b>Response Body</b>	no content
<b>Response Headers</b>	<pre>{   "Date": "Wed, 04 Jan 2017 20:41:44 GMT",   "Vary": "origin,accept-encoding",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Access-Control-Max-Age": "86400",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "text/plain; charset=UTF-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson- intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization",   "Cache-Control": "max-age=0",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Content-Length": "0",   "Expires": "Wed, 04 Jan 2017 20:41:44 GMT" }</pre>

### ***GET /product/{resource}/{id}***

This is deprecated

## **region**

The APIs listed below are linked to their descriptions in this document.

<b>POST</b>	<a href="#">/region</a>
<b>GET</b>	<a href="#">/region</a>
<b>GET</b>	<a href="#">/region/{id}</a>
<b>PATCH</b>	<a href="#">/region/{id}/product</a>
<b>PATCH</b>	<a href="#">/region/{id}/school</a>



<b>POST /region</b>	
<b>Method</b>	POST
<b>Mandatory Fields</b>	appid, token, name (region)
<b>Response Code</b>	201 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/region
<b>Response Body</b>	<pre>{   "id": "58779fe2076c69292cc5a30b",   "name": "Precision Region",   "schools": [],   "products": [] }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Thu, 12 Jan 2017 15:25:22 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Thu, 12 Jan 2017 15:25:22 GMT" }</pre>

<b>GET /region</b>	
<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token, name (region)



<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/region
<b>Response Body</b>	<pre>{   "id": "5742e863e3a5d04ddd0b4594",   "name": "Asia",   "schools": [     "5732e296ed3a04bc9dbbd523"   ],   "products": [     {       "id": "571e0b079de5719a32a696cc",       "coverImageURL": "57726962977a9c1cf4a72fdc",       "title": "sample title",       "books": [         "57726962977a9c1cf4a72fab"       ],       "epubURL": "http://cdn.gloss.pearson-intl.com/resources/products/epubs/generated-qa/5d38d648-d955-46a2-be64-5b69b85159aa/54e55d10-3d29-11e6-a256-afa93edbd62a489ef361-1d29-11e6-af24-7bc11898ef7a9780636179257_Dilo_V1_18May2016.epub",       "description": "sample",       "encpwd": "updated password",       "allowedPageNavigation": "vertical",       "layout": [         "portrait_single_page",         "landscape_single_page"       ]     },     {       "id": "57b4646d08569de45032bffd",       "coverImageURL": "57b46670cba9d00544ebcdb9",       "title": "COC Historia Group10",       "books": [         "57b46670cba9d00544ebcdb1"       ],       "epubURL": "http://cdn.gloss.pearson-intl.com/resources/products/epubs/generated-qa/f76a6aa2-ee4c-4ed7-ade1-b70d05a91c1c/b637f930-647d-11e6-9562-2fe57d99dfcfCOC+Historia+Grupo10.zip",       "encpwd": "gnReMZh5YBEKQRkPjjjak3ljMa9SBns/v+1bU25SLdfa3oBUnLN+84rkLA0vupg0",       "allowedPageNavigation": "vertical",       "layout": [         "portrait_single_page", </pre>





	<pre> "landscape_single_page"     ]   } ] } </pre>
<b>Response Headers</b>	<pre> {   "Date": "Thu, 12 Jan 2017 15:24:06 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Thu, 12 Jan 2017 15:24:06 GMT" } </pre>

<b>GET /region/{id}</b>	
<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token, id (region)
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/region/5756afd7cc415d8440190c57
<b>Response Body</b>	<pre> {   "id": "5756afd7cc415d8440190c57",   "name": "testing region",   "schools": [     "575698a187460065957ce4d3",     "57569b6587460065957ce4da",     "5756bef82490be50085ffce4",     "5756bf142490be50085ffce5", </pre>



	<pre> "5756bf5ccc415d8440190c62" ], "products": [   "56f23b2a226b031530f1a744",   "575698a187460065957ce4d3" ] } </pre>
<b>Response Headers</b>	<pre> {   "Date": "Thu, 12 Jan 2017 15:44:05 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Thu, 12 Jan 2017 15:44:05 GMT" } </pre>

### **PATCH /region/{id}/product**

<b>Method</b>	PATCH
<b>Mandatory Fields</b>	appid, token, id (region), id (product) to add/remove
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/region/58779fe2076c69292cc5a30b/product
<b>Response Body</b>	<pre> {   "id": "58779fe2076c69292cc5a30b",   "name": "Precision Region",   "schools": [],   "products": [     {}   ] } </pre>



	<pre>{   "id": "57b4646d08569de45032bffd",   "coverImageURL": "57b46670cba9d00544ebcdb9",   "title": "COC Historia Group10",   "books": [     "57b46670cba9d00544ebcdb1"   ],   "epubURL": "http://cdn.gloss.pearson-intl.com/resources/products/epubs/generated-qa/f76a6aa2-ee4c-4ed7-ade1-b70d05a91c1c/b637f930-647d-11e6-9562-2fe57d99dfcfCOC+Historia+Grupo10.zip",   "encpwd": "gnReMZh5YBEKQRkPjjjak3ljMa9SBns/v+1bU25SLdfa3oBUnLN+84rkLA0vupg0",   "allowedPageNavigation": "vertical",   "layout": [     "portrait_single_page",     "landscape_single_page"   ] }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Thu, 12 Jan 2017 15:55:27 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Thu, 12 Jan 2017 15:55:27 GMT" }</pre>



<b>PATCH /region/{id}/school</b>	
<b>Method</b>	PATCH
<b>Mandatory Fields</b>	appid, token, id (region), id (school) to add/remove
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/region/58779fe2076c69292cc5a30b/school
<b>Response Body</b>	<pre>{   "id": "58779fe2076c69292cc5a30b",   "name": "Precision Region",   "schools": [     "5732e296ed3a04bc9dbbd523"   ],   "products": [     {},     {       "id": "57b4646d08569de45032bffd",       "coverImageURL": "57b46670cba9d00544ebcdb9",       "title": "COC Historia Group10",       "books": [         "57b46670cba9d00544ebcdb1"       ],       "epubURL": "http://cdn.gloss.pearson-intl.com/resources/products/epubs/generated-qa/f76a6aa2-ee4c-4ed7-adel-b70d05a91c1c/b637f930-647d-11e6-9562-2fe57d99dfcfCOC+Historia+Grupo10.zip",       "encpwd":       "gnReMZh5YBEKQRkPjjjak3ljMa9SBns/v+1bU25SLdfa3oBUnLN+84rkLA0vupg0",       "allowedPageNavigation": "vertical",       "layout": [         "portrait_single_page",         "landscape_single_page"       ]     }   ] }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Thu, 12 Jan 2017 16:13:25 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding", }</pre>



	<pre> "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS", "Content-Type": "application/json; charset=utf-8", "Access-Control-Allow-Origin": "https://api-qa.gls.pearson- intl.com", "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization", "Cache-Control": "max-age=0", "Transfer-Encoding": "chunked", "Access-Control-Max-Age": "86400", "Connection": "keep-alive", "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language", "Expires": "Thu, 12 Jan 2017 16:13:25 GMT" } </pre>
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## regionadm

GET /regionadmin/{id}/enrollment

### GET /regionadm/{id}/enrollment

<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token, id (course section)
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/regionadmin/5742e863e3a5d04ddd0b4594/enrollment
<b>Response Body</b>	[]
<b>Response Headers</b>	<pre> {   "Date": "Thu, 12 Jan 2017 20:50:44 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization", </pre>



	<pre>"Cache-Control": "max-age=0", "Transfer-Encoding": "chunked", "Access-Control-Max-Age": "86400", "Connection": "keep-alive", "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language", "Expires": "Thu, 12 Jan 2017 20:50:44 GMT" }</pre>
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## school

The APIs listed below are linked to their descriptions in this document.

POST	/school
GET	/school
GET	/school/{id}
DELETE	/school/{id}
PUT	/school/{id}
GET	/school/{id}/course
PATCH	/school/{id}/course
GET	/school/{id}/coursesection
PATCH	/school/{id}/coursesection
GET	/school/{id}/license
POST	/school/{id}/log
GET	/school/{id}/log
GET	/school/{id}/product
GET	/school/{id}/proxy
PUT	/school/{id}/proxy
GET	/school/{id}/user
GET	/school/{id}/{role}



<b>POST /school</b>	
<b>Method</b>	POST
<b>Mandatory Fields</b>	appid, token, name, countrycode
<b>Response Code</b>	201 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/school
<b>Response Body</b>	<pre>{   "id": "5820e7c9aa01b54e8722aa7b",   "name": "First City School",   "countryCode": "BR",   "localCDNs": [],   "courses": [],   "courseSections": [] }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Mon, 07 Nov 2016 20:44:57 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Mon, 07 Nov 2016 20:44:57 GMT" }</pre>

<b>GET /school</b>	
<b>Method</b>	GET



<b>Mandatory Fields</b>	appid, token
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/school?limit=1&
<b>Response Body</b>	<pre>[   {     "id": "577d2e1b9f2c3ad6a0073a03",     "name": "Precision Studio School",     "address1": "146-45 60th Avenue",     "city": "Flushing",     "state": "NY",     "postcode": "11355",     "country": "United States",     "countryCode": "US",     "website": "www.precisionstudio.net",     "phone": "718-864-8446",     "email": "pjones@gmail.com",     "localCDNs": [],     "courses": [],     "courseSections": [       {         "id": "577d33369f2c3ad6a0073a05",         "name": "Intro to Management",         "sectionCode": "Mgt 101",         "lessons": [],         "start": "2016-07-06T04:00:00.000Z",         "end": "2016-10-31T04:00:00.000Z"       }     ]   } ]</pre>
<b>Response Headers</b>	<pre>{   "Date": "Tue, 08 Nov 2016 13:18:55 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked", }</pre>





	<pre>"Access-Control-Max-Age": "86400", "Connection": "keep-alive", "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language", "Expires": "Tue, 08 Nov 2016 13:18:55 GMT" }</pre>
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<b>GET /school/{id}</b>	
<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token, id
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-ga.gls.pearson-intl.com:443/school/577d2e1b9f2c3ad6a0073a03
<b>Response Body</b>	<pre>{   "id": "577d2e1b9f2c3ad6a0073a03",   "name": "Precision Studio School",   "address1": "146-45 60th Avenue",   "city": "Flushing",   "state": "NY",   "postcode": "11355",   "country": "United States",   "countryCode": "US",   "website": "www.precisionstudio.net",   "phone": "718-864-8446",   "email": "pjones@gmail.com",   "localCDNs": [],   "courses": [],   "courseSections": [     {       "id": "577d33369f2c3ad6a0073a05",       "name": "Intro to Management",       "sectionCode": "Mgt 101",       "lessons": [],       "start": "2016-07-06T04:00:00.000Z",       "end": "2016-10-31T04:00:00.000Z"     }   ] }</pre>



<b>Response Headers</b>	<pre>{   "Date": "Mon, 07 Nov 2016 20:53:35 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Mon, 07 Nov 2016 20:53:35 GMT" }</pre>
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**DELETE /school/{id}**

<b>Method</b>	DELETE
<b>Mandatory Fields</b>	appid, token, id
<b>Response Code</b>	204 - Successful / 404 - Not Found / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/school/5820e7c9aa01b54e8722aa7b
<b>Response Body</b>	no content
<b>Response Headers</b>	<pre>{   "Date": "Tue, 08 Nov 2016 15:46:52 GMT",   "Vary": "origin,accept-encoding",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Access-Control-Max-Age": "86400",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "text/plain; charset=UTF-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com", }</pre>



	<pre> "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization", "Cache-Control": "max-age=0", "Connection": "keep-alive", "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language", "Content-Length": "0", "Expires": "Tue, 08 Nov 2016 15:46:52 GMT" } </pre>
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**PUT /school/{id}**

<b>Method</b>	PUT
<b>Mandatory Fields</b>	appid, token, id
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/school/577d2e1b9f2c3ad6a0073a03
<b>Response Body</b>	<pre> {   "id": "577d2e1b9f2c3ad6a0073a03",   "name": "Precision Studio School",   "address1": "146-45 60th Avenue",   "address2": "POB 20",   "city": "Flushing",   "state": "NY",   "postcode": "11355",   "country": "United States",   "countryCode": "US",   "website": "www.precisionstudio.net",   "phone": "718-864-8446",   "email": "pjones@gmail.com",   "localCDNs": [],   "courses": [     {       "id": "5821f761015ca85e83c1f92d",       "name": "Computer Science",       "courseCode": "4509"     }   ],   "courseSections": [     {       "id": "577d33369f2c3ad6a0073a05", </pre>



	<pre> "name": "Intro to Management", "sectionCode": "Mgt 101", "lessons": [], "start": "2016-07-06T04:00:00.000Z", "end": "2016-10-31T04:00:00.000Z" } ] } </pre>
<b>Response Headers</b>	<pre> {   "Date": "Thu, 15 Dec 2016 14:53:55 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Thu, 15 Dec 2016 14:53:55 GMT" } </pre>

<b>GET /school/{id}/course</b>	
<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token, id
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/school/577d2e1b9f2c3ad6a0073a03/course
<b>Response Body</b>	<pre> [   {     "id": "5821f761015ca85e83c1f92d", </pre>



	<pre> "name": "Computer Science", "courseCode": "4509" } ] </pre>
<b>Response Headers</b>	<pre> {   "Date": "Tue, 08 Nov 2016 16:22:31 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Tue, 08 Nov 2016 16:22:31 GMT" } </pre>

<b>PATCH /school/{id}/course</b>	
<b>Method</b>	PATCH
<b>Mandatory Fields</b>	appid, token, id
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/school/577d2e1b9f2c3ad6a0073a03/course
<b>Response Body</b>	<pre> {   "id": "577d2e1b9f2c3ad6a0073a03",   "name": "Precision Studio School",   "address1": "146-45 60th Avenue",   "city": "Flushing",   "state": "NY",   "postcode": "11355",   "country": "United States",   "countryCode": "US", </pre>



	<pre>"website": "www.precisionstudio.net", "phone": "718-864-8446", "email": "pjones@gmail.com", "localCDNs": [], "courses": [   {     "id": "5821f761015ca85e83c1f92d",     "name": "Computer Science",     "courseCode": "4509"   } ], "courseSections": [   {     "id": "577d33369f2c3ad6a0073a05",     "name": "Intro to Management",     "sectionCode": "Mgt 101",     "lessons": [],     "start": "2016-07-06T04:00:00.000Z",     "end": "2016-10-31T04:00:00.000Z"   } ] }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Tue, 08 Nov 2016 16:20:59 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Tue, 08 Nov 2016 16:20:59 GMT" }</pre>



<b>GET /school/{id}/coursesection</b>	
<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token, id
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/school/577d2e1b9f2c3ad6a0073a03/coursesection
<b>Response Body</b>	<pre>[   {     "id": "577d33369f2c3ad6a0073a05",     "name": "Intro to Management",     "sectionCode": "Mgt 101",     "lessons": [],     "start": "2016-07-06T04:00:00.000Z",     "end": "2016-10-31T04:00:00.000Z",     "teachers": [       {         "id": "577d3311f9905f540889fded",         "userId": "0846d9ac220c40c29aea13f43b212d12",         "username": "pjones@yahoo.com",         "name": "Peter jones",         "firstName": "Peter",         "lastName": "jones",         "email": "pjones@yahoo.com",         "roles": [           "teacher"         ],         "loggedIn": "2016-07-06T12:06:15.482Z"       }     ]   } ]</pre>
<b>Response Headers</b>	<pre>{   "Date": "Mon, 14 Nov 2016 18:53:18 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",</pre>



	<pre>"Transfer-Encoding": "chunked", "Access-Control-Max-Age": "86400", "Connection": "keep-alive", "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language", "Expires": "Mon, 14 Nov 2016 18:53:18 GMT" }</pre>
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<b>PATCH /school/{id}/coursesection</b>	
<b>Method</b>	PATCH
<b>Mandatory Fields</b>	appid, token, id
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/school/577d2e1b9f2c3ad6a0073a03/coursesection
<b>Response Body</b>	<pre>{   "id": "577d2e1b9f2c3ad6a0073a03",   "name": "Precision Studio School",   "address1": "146-45 60th Avenue",   "city": "Flushing",   "state": "NY",   "postcode": "11355",   "country": "United States",   "countryCode": "US",   "website": "www.precisionstudio.net",   "phone": "718-864-8446",   "email": "pjones@gmail.com",   "localCDNs": [],   "courses": [     {       "id": "5821f761015ca85e83c1f92d",       "name": "Computer Science",       "courseCode": "4509"     }   ],   "courseSections": [     {       "id": "577d33369f2c3ad6a0073a05",       "name": "Intro to Management",       "sectionCode": "Mgt 101",       "lessons": [], </pre>





	<pre>                 "start": "2016-07-06T04:00:00.000Z",                 "end": "2016-10-31T04:00:00.000Z"             }         ]     } </pre>
<b>Response Headers</b>	<pre> {   "Date": "Fri, 11 Nov 2016 20:52:06 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Fri, 11 Nov 2016 20:52:06 GMT" } </pre>

<b>GET /school/{id}/license</b>	
<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token, id
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/school/577d2e1b9f2c3ad6a0073a03/license
<b>Response Body</b>	<pre> [   {     "id": "577d2f00f9905f540889fdea",     "school": {       "id": "577d2e1b9f2c3ad6a0073a03", </pre>



	<pre>"name": "Precision Studio School", "address1": "146-45 60th Avenue", "address2": "POB 20", "city": "Flushing", "state": "NY", "postcode": "11355", "country": "United States", "countryCode": "US", "website": "www.precisionstudio.net", "phone": "718-864-8446", "email": "pjones@gmail.com", "localCDNs": [], "courses": [   "5821f761015ca85e83c1f92d" ], "courseSections": [   "577d33369f2c3ad6a0073a05" ] }, "product": {   "id": "56fcf1069147bb120d0b9de7",   "coverImageURL": "56fcf2f63e8d2701ddb9eada",   "title": "Pulse PDF product",   "author": "test",   "books": [     "56fcf2f63e8d2701ddb9ead9"   ],   "epubURL": "http://cdn.gloss.pearson- intl.com/resources/products/epubs/generated-qa/de3d4ca2-ee0c- 473f-979d-69fe0e2f49b7/091bc160-f726-11e5-bb4d- f90b6de99bbdAuditingNotes.pdf",   "description": "pulse dev product",   "allowedPageNavigation": "horizontal",   "layout": [     "portrait_single_page,landscape_single_page"   ] }, "courseSections": [], "seats": 100, "remainingSeats": 100, "start": "2022-08-21T18:30:00.000Z", "end": "2023-11-21T18:30:00.000Z" }, {   "id": "577d306cf9905f540889fdec",   "school": {</pre>
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	<pre>"id": "577d2e1b9f2c3ad6a0073a03", "name": "Precision Studio School", "address1": "146-45 60th Avenue", "address2": "POB 20", "city": "Flushing", "state": "NY", "postcode": "11355", "country": "United States", "countryCode": "US", "website": "www.precisionstudio.net", "phone": "718-864-8446", "email": "pjones@gmail.com", "localCDNs": [], "courses": [   "5821f761015ca85e83c1f92d" ], "courseSections": [   "577d33369f2c3ad6a0073a05" ] }, "product": {   "id": "5748529a9c9339677c032b5a",   "coverImageURL": "5810bf448f753453d1b9f2f8",   "title": "All about mummies",   "books": [     "5810bf438f753453d1b9f2a5"   ],   "epubURL": "http://cdn.gloss.pearson- intl.com/resources/products/epubs/generated-ga/8ed890f4-5ad0- 4f21-8d53-03ff7647d740/4e8df5d0-9b89-11e6-b41c- 75d76a200c7fbigenglish1.zip",   "description": "All about mummies",   "encpwd": "GVBcIjle4dHfIxCAqJeNLibJ/nEUPLfyVP5nihYde2b58ok2ELrXJzZeO9Zl S7Au",   "allowedPageNavigation": "horizontal",   "layout": [     "portrait_single_page",     "landscape_single_page"   ] }, "courseSections": [], "seats": 100, "remainingSeats": 100, "start": "2016-07-06T04:00:00.000Z", "end": "2017-10-06T04:00:00.000Z"</pre>
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	<pre>}, {   "id": "577d2f15f9905f540889fdeb",   "school": {     "id": "577d2e1b9f2c3ad6a0073a03",     "name": "Precision Studio School",     "address1": "146-45 60th Avenue",     "address2": "POB 20",     "city": "Flushing",     "state": "NY",     "postcode": "11355",     "country": "United States",     "countryCode": "US",     "website": "www.precisionstudio.net",     "phone": "718-864-8446",     "email": "pjones@gmail.com",     "localCDNs": [],     "courses": [       "5821f761015ca85e83c1f92d"     ],     "courseSections": [       "577d33369f2c3ad6a0073a05"     ]   },   "product": {     "id": "5755c11a471d592a08778c4c",     "coverImageURL": "5755c155f80ea5609adf73b8",     "title": "PDF Italian",     "author": "NA",     "books": [       "5755c155f80ea5609adf73b7"     ],     "epubURL": "http://cdn.gloss.pearson-intl.com/resources/products/epubs/generated-qa/cad17d0e-1728-4fb1-b93e-35521fc0cb18/c595b670-2c14-11e6-8f8e-f581f428f1e99788839526991A_R.zip",     "encpwd": "FJyPCP8fJhAfX71NQWxcib7t5vrfMpIcRNHsPvI7BN1sagHU5Ibyk39lmPly6EId",     "allowedPageNavigation": "vertical",     "layout": [       "portrait_single_page",       "landscape_single_page"     ]   },   "courseSections": [</pre>
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	<pre>{   "id": "577d33369f2c3ad6a0073a05",   "name": "Intro to Management",   "sectionCode": "Mgt 101",   "lessons": [],   "start": "2016-07-06T04:00:00.000Z",   "end": "2016-10-31T04:00:00.000Z" } ], "seats": 100, "remainingSeats": 99, "start": "2016-07-06T04:00:00.000Z", "end": "2017-10-06T04:00:00.000Z" }, {   "id": "577f9dfb9f2c3ad6a0073a19",   "school": {     "id": "577d2e1b9f2c3ad6a0073a03",     "name": "Precision Studio School",     "address1": "146-45 60th Avenue",     "address2": "POB 20",     "city": "Flushing",     "state": "NY",     "postcode": "11355",     "country": "United States",     "countryCode": "US",     "website": "www.precisionstudio.net",     "phone": "718-864-8446",     "email": "pjones@gmail.com",     "localCDNs": [],     "courses": [       "5821f761015ca85e83c1f92d"     ],     "courseSections": [       "577d33369f2c3ad6a0073a05"     ]   },   "product": {     "id": "577f9d350f8d333908c46e21",     "coverImageURL": "577fb0259f2c3ad6a0073a1c",     "title": "Worlds in Collision",     "author": "Immanuel Velikovsky",     "books": [       "577fb0259f2c3ad6a0073a1b"     ],     "epubURL": "http://cdn.gloss.pearson-</pre>
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	<pre>intl.com/resources/products/epubs/generated-qa/f79ceb5f-2139-438f-a944-e3dd851d1fdb/38e5ac90-4513-11e6-8e72-716f7fc09db7Velikovsky_Immanuel_-_Worlds_in_Collision.zip",   "description": "Cosmic Perspective",   "encpwd": "vkhTA3SjOwmoX/9yin03aeqtunDRyROaLuApScnra15haE0X4dzGq9uMD0+r wMM+",   "allowedPageNavigation": "horizontal",   "layout": [     "portrait_single_page",     "portrait_double_page",     "landscape_single_page",     "landscape_double_page"   ] }, "courseSections": [], "seats": 100, "remainingSeats": 100, "start": "2016-07-08T04:00:00.000Z", "end": "2017-10-31T04:00:00.000Z" }, {   "id": "57a33982d22a28a8eac6a227",   "school": {     "id": "577d2e1b9f2c3ad6a0073a03",     "name": "Precision Studio School",     "address1": "146-45 60th Avenue",     "address2": "POB 20",     "city": "Flushing",     "state": "NY",     "postcode": "11355",     "country": "United States",     "countryCode": "US",     "website": "www.precisionstudio.net",     "phone": "718-864-8446",     "email": "pjones@gmail.com",     "localCDNs": [],     "courses": [       "5821f761015ca85e83c1f92d"     ],     "courseSections": [       "577d33369f2c3ad6a0073a05"     ]   },   "product": {     "id": "57a33980d22a28a8eac6a224",</pre>
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	<pre>"coverImageURL": "57a33982d22a28a8eac6a226", "title": "Testing on QA for equella Integration 123", "author": "", "books": [   "57a33982d22a28a8eac6a225" ], "epubURL": "http://cdn.gloss.pearson- intl.com/resources/products/epubs/generated-qa/ad19ebb0-5a41- 11e6-a882-3d135ae1ce41/warandpeace.pdf", "description": "", "allowedPageNavigation": "horizontal", "layout": [   "portrait_double_page" ] }, "courseSections": [], "seats": 50, "remainingSeats": 50, "start": "2016-08-04T12:48:00.037Z", "end": "2017-08-04T12:48:00.037Z" }, {   "id": "57a33b4057a6ea41ee71d38c",   "school": {     "id": "577d2e1b9f2c3ad6a0073a03",     "name": "Precision Studio School",     "address1": "146-45 60th Avenue",     "address2": "POB 20",     "city": "Flushing",     "state": "NY",     "postcode": "11355",     "country": "United States",     "countryCode": "US",     "website": "www.precisionstudio.net",     "phone": "718-864-8446",     "email": "pjones@gmail.com",     "localCDNs": [],     "courses": [       "5821f761015ca85e83c1f92d"     ],     "courseSections": [       "577d33369f2c3ad6a0073a05"     ]   },   "product": {     "id": "57a33b3f57a6ea41ee71d389",</pre>
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	<pre>"coverImageURL": "57a33b4057a6ea41ee71d38b", "title": "Test QA ", "author": "", "books": [   "57a33b4057a6ea41ee71d38a" ], "epubURL": "http://cdn.gloss.pearson- intl.com/resources/products/epubs/generated-qa/b7539b70-5a42- 11e6-9bf3-71890cf19dd9/warandpeace.pdf", "description": "", "allowedPageNavigation": "horizontal", "layout": [   "portrait_double_page" ] }, "courseSections": [], "seats": 50, "remainingSeats": 50, "start": "2016-08-04T12:55:26.850Z", "end": "2017-08-04T12:55:26.850Z" }, {   "id": "57a4397cdee82d726a36aeab",   "school": {     "id": "577d2e1b9f2c3ad6a0073a03",     "name": "Precision Studio School",     "address1": "146-45 60th Avenue",     "address2": "POB 20",     "city": "Flushing",     "state": "NY",     "postcode": "11355",     "country": "United States",     "countryCode": "US",     "website": "www.precisionstudio.net",     "phone": "718-864-8446",     "email": "pjones@gmail.com",     "localCDNs": [],     "courses": [       "5821f761015ca85e83c1f92d"     ],     "courseSections": [       "577d33369f2c3ad6a0073a05"     ]   },   "product": {     "id": "57a4397bdee82d726a36aea8",</pre>
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	<pre>"coverImageURL": "57a4397cdee82d726a36aeaa", "title": "Test equella integ", "author": "", "books": [   "57a4397cdee82d726a36aea9" ], "epubURL": "http://cdn.gloss.pearson- intl.com/resources/products/epubs/generated-qa/408b9a40-5ada- 11e6-82bf-f9aa76f52749/warandpeace.pdf", "description": "", "allowedPageNavigation": "horizontal", "layout": [   "portrait_double_page" ] }, "courseSections": [], "seats": 50, "remainingSeats": 50, "start": "2016-08-05T07:00:07.252Z", "end": "2017-08-05T07:00:07.252Z" }, {   "id": "57a4446d5752bff36bc5e0f4",   "school": {     "id": "577d2e1b9f2c3ad6a0073a03",     "name": "Precision Studio School",     "address1": "146-45 60th Avenue",     "address2": "POB 20",     "city": "Flushing",     "state": "NY",     "postcode": "11355",     "country": "United States",     "countryCode": "US",     "website": "www.precisionstudio.net",     "phone": "718-864-8446",     "email": "pjones@gmail.com",     "localCDNs": [],     "courses": [       "5821f761015ca85e83c1f92d"     ],     "courseSections": [       "577d33369f2c3ad6a0073a05"     ]   },   "product": {     "id": "57a4446b5752bff36bc5e0f1",</pre>
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	<pre>"coverImageURL": "57a4446d5752bff36bc5e0f3", "title": "Testing QA for equella", "author": "", "books": [   "57a4446d5752bff36bc5e0f2" ], "epubURL": "http://cdn.gloss.pearson-intl.com/resources/products/epubs/generated-qa/c5a04d10-5ae0-11e6-bb8f-5d411787b8a0/warandpeace.pdf", "description": "", "allowedPageNavigation": "horizontal", "layout": [   "portrait_double_page" ] }, "courseSections": [], "seats": 50, "remainingSeats": 50, "start": "2016-08-05T07:46:51.120Z", "end": "2017-08-05T07:46:51.120Z" } ]</pre>
<b>Response Headers</b>	<pre>{   "Date": "Thu, 15 Dec 2016 16:01:16 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Thu, 15 Dec 2016 16:01:16 GMT" }</pre>



<b>GET /school/{id}/log</b>	
<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token, id
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/school/577d2e1b9f2c3ad6a0073a03/log
<b>Response Body</b>	<pre>[   {     "id": "582a0bf0723af6595cb7bccd",     "school": {       "id": "577d2e1b9f2c3ad6a0073a03",       "name": "Precision Studio School",       "address1": "146-45 60th Avenue",       "address2": "POB 20",       "city": "Flushing",       "state": "NY",       "postcode": "11355",       "country": "United States",       "countryCode": "US",       "website": "www.precisionstudio.net",       "phone": "718-864-8446",       "email": "pjones@gmail.com",       "localCDNs": [],       "courses": [         "5821f761015ca85e83c1f92d"       ],       "courseSections": [         "577d33369f2c3ad6a0073a05"       ]     },     "name": "Posting Log",     "timestamp": "1970-01-01T00:00:03.000Z"   } ]</pre>
<b>Response Headers</b>	<pre>{   "Date": "Thu, 15 Dec 2016 16:13:34 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS", }</pre>



	<pre>"Content-Type": "application/json; charset=utf-8", "Access-Control-Allow-Origin": "*", "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization", "Cache-Control": "max-age=0", "Transfer-Encoding": "chunked", "Access-Control-Max-Age": "86400", "Connection": "keep-alive", "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language", "Expires": "Thu, 15 Dec 2016 16:13:34 GMT" }</pre>
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<b>POST /school/{id}/log</b>	
<b>Method</b>	POST
<b>Mandatory Fields</b>	appid, token, id, name, timestamp
<b>Response Code</b>	201 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/school/577d2e1b9f2c3ad6a0073a03/log
<b>Response Body</b>	<pre>{   "id": "582a0bf0723af6595cb7bccd",   "school": {     "id": "577d2e1b9f2c3ad6a0073a03",     "name": "Precision Studio School",     "address1": "146-45 60th Avenue",     "city": "Flushing",     "state": "NY",     "postcode": "11355",     "country": "United States",     "countryCode": "US",     "website": "www.precisionstudio.net",     "phone": "718-864-8446",     "email": "pjones@gmail.com",     "localCDNs": [],     "courses": [       "5821f761015ca85e83c1f92d"     ],     "courseSections": [       "577d33369f2c3ad6a0073a05"     ]   },   "name": "Posting Log",</pre>



	<pre>"timestamp": "1970-01-01T00:00:03.000Z" }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Mon, 14 Nov 2016 19:09:36 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson- intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Mon, 14 Nov 2016 19:09:36 GMT" }</pre>

**GET /school/{id}/product**

<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token, id
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/school/578344189f2c3ad6a0073a30/product
<b>Response Body</b>	<pre>[   {     "id": "5755c11a471d592a08778c4c",     "coverImageURL": {       "id": "5755c155f80ea5609adf73b8",       "url": "http://cdn.gloss.pearson- intl.com/resources/products/epubs/generated-qa/cad17d0e-1728- 4fb1-b93e-35521fc0cb18/9788839526991A_R.png"     },     "title": "PDF Italian",   } ]</pre>



	<pre>"author": "NA", "books": [   {     "id": "5755c155f80ea5609adf73b7",     "metadata": {       "contentPath": "resources/products/epubs/generated- qa/cad17d0e-1728-4fb1-b93e-35521fc0cb18/",       "role": "student",       "type": "pdf",       "allowedPageNavigation": "vertical",       "encpwd": "FJyPCP8fJhAfX7lNQWxcib7t5vrfMpIcRNHsPvI7BN1sagHU5Ibyk39lmPly6EId ",       "url": "http://cdn.gloss.pearson- intl.com/resources/products/epubs/generated-qa/cad17d0e-1728- 4fb1-b93e-35521fc0cb18/c595b670-2c14-11e6-8f8e- f581f428f1e99788839526991A_R.zip",       "coverImageUrl": "http://cdn.gloss.pearson- intl.com/resources/products/epubs/generated-qa/cad17d0e-1728- 4fb1-b93e-35521fc0cb18/9788839526991A_R.png",       "layout": [         "portrait_single_page",         "landscape_single_page"       ]     },     "toc": [],     "pages": []   } ], "epubURL": "http://cdn.gloss.pearson- intl.com/resources/products/epubs/generated-qa/cad17d0e-1728- 4fb1-b93e-35521fc0cb18/c595b670-2c14-11e6-8f8e- f581f428f1e99788839526991A_R.zip", "encpwd": "FJyPCP8fJhAfX7lNQWxcib7t5vrfMpIcRNHsPvI7BN1sagHU5Ibyk39lmPly6EId ", "allowedPageNavigation": "vertical", "layout": [   "portrait_single_page",   "landscape_single_page" ] } ]</pre>
<b>Response Headers</b>	<pre>{   "Date": "Mon, 14 Nov 2016 19:38:37 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH,</pre>



	<pre>DELETE, OPTIONS", "Content-Type": "application/json; charset=utf-8", "Access-Control-Allow-Origin": "*", "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization", "Cache-Control": "max-age=0", "Transfer-Encoding": "chunked", "Access-Control-Max-Age": "86400", "Connection": "keep-alive", "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language", "Expires": "Mon, 14 Nov 2016 19:38:37 GMT" }</pre>
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<b>GET /school/{id}/proxy</b>	
<b>Method</b>	<b>GET</b>
<b>Mandatory Fields</b>	appid, token, id
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/school/577d2e1b9f2c3ad6a0073a03/proxy
<b>Response Body</b>	<pre>{   "id": "582b1f0f7a144b7561d32d79",   "school": {     "id": "577d2e1b9f2c3ad6a0073a03",     "name": "Precision Studio School",     "address1": "146-45 60th Avenue",     "city": "Flushing",     "state": "NY",     "postcode": "11355",     "country": "United States",     "countryCode": "US",     "website": "www.precisionstudio.net",     "phone": "718-864-8446",     "email": "pjones@gmail.com",     "localCDNs": [],     "courses": [       "5821f761015ca85e83c1f92d"     ],     "courseSections": [       "577d33369f2c3ad6a0073a05"     ]   } }</pre>



	<pre> }, "ip": "133.0.0.5", "port": "8080" } </pre>
<b>Response Headers</b>	<pre> {   "Date": "Tue, 15 Nov 2016 14:49:47 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Tue, 15 Nov 2016 14:49:47 GMT" } </pre>

**PUT /school/{id}/proxy**

<b>Method</b>	PUT
<b>Mandatory Fields</b>	appid, token, id, ip, port
<b>Response Code</b>	201 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/school/577d2e1b9f2c3ad6a0073a03/proxy
<b>Response Body</b>	<pre> {   "id": "582b1f0f7a144b7561d32d79",   "school": {     "id": "577d2e1b9f2c3ad6a0073a03",     "name": "Precision Studio School",     "address1": "146-45 60th Avenue",     "city": "Flushing",     "state": "NY",     "postcode": "11355", </pre>





	<pre> "country": "United States", "countryCode": "US", "website": "www.precisionstudio.net", "phone": "718-864-8446", "email": "pjones@gmail.com", "localCDNs": [], "courses": [   "5821f761015ca85e83c1f92d" ], "courseSections": [   "577d33369f2c3ad6a0073a05" ] }, "ip": "133.0.0.5", "port": "8080" } </pre>
<b>Response Headers</b>	<pre> {   "Date": "Tue, 15 Nov 2016 14:43:27 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Tue, 15 Nov 2016 14:43:27 GMT" } </pre>

<b>GET /school/{id}/user</b>	
<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token, id
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized



<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/school/577d2e1b9f2c3ad6a0073a03/user
<b>Response Body</b>	<pre>[   {     "id": "577d2e739f2c3ad6a0073a04",     "userId": "6545ea3900e54c308d9a9456fe5a0d13",     "username": "pjones@gmail.com",     "name": "Peter jones",     "firstName": "Peter",     "lastName": "jones",     "email": "pjones@gmail.com",     "roles": [       "admin"     ],     "loggedIn": "2016-07-08T14:04:25.658Z"   },   {     "id": "577d3311f9905f540889fded",     "userId": "0846d9ac220c40c29aea13f43b212d12",     "username": "pjones@yahoo.com",     "name": "Peter jones",     "firstName": "Peter",     "lastName": "jones",     "email": "pjones@yahoo.com",     "roles": [       "teacher"     ],     "loggedIn": "2016-07-06T12:06:15.482Z"   } ]</pre>
<b>Response Headers</b>	<pre>{   "Date": "Tue, 15 Nov 2016 14:54:06 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid,</pre>



	<pre>appversion, user-agent, Accept-Language", "Expires": "Tue, 15 Nov 2016 14:54:06 GMT" }</pre>
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### GET /school/{id}/role

<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token, id, role (student, teacher, admin)
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/school/577d2e1b9f2c3ad6a0073a03/admin
<b>Response Body</b>	<pre>[   {     "id": "577d2e739f2c3ad6a0073a04",     "userId": "6545ea3900e54c308d9a9456fe5a0d13",     "username": "pjones@gmail.com",     "name": "Peter jones",     "firstName": "Peter",     "lastName": "jones",     "email": "pjones@gmail.com",     "roles": [       "admin"     ],     "loggedIn": "2016-07-08T14:04:25.658Z"   } ]</pre>
<b>Response Headers</b>	<pre>{   "Date": "Tue, 15 Nov 2016 14:59:37 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",</pre>



	<pre>"Connection": "keep-alive", "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language", "Expires": "Tue, 15 Nov 2016 14:59:37 GMT" }</pre>
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## student

The APIs listed below are linked to their descriptions in this document.

GET	/student/{id}/coursesection
GET	/student/{id}/enrollment/{type}

### GET /student/{id}/coursesection

<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token, id (coursesection id)
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/student/581a24ce5f6547784e7cdc9d/coursesection
<b>Response Body</b>	<pre>[   {     "id": "45bf3070270b5cb79a3",     "name": "581a2Bill Course Section",     "sectionCode": "222",     "lessons": [],     "start": "2016-11-01T04:00:00.000Z",     "end": "2017-11-17T05:00:00.000Z"   } ]</pre>
<b>Response Headers</b>	<pre>{   "Date": "Thu, 15 Dec 2016 17:52:24 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1", }</pre>



	<pre> "X-Backend-Server": "10.76.195.98:8000", "Vary": "origin,accept-encoding", "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS", "Content-Type": "application/json; charset=utf-8", "Access-Control-Allow-Origin": "*", "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization", "Cache-Control": "max-age=0", "Transfer-Encoding": "chunked", "Access-Control-Max-Age": "86400", "Connection": "keep-alive", "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language", "Expires": "Thu, 15 Dec 2016 17:52:24 GMT" } </pre>
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### ***GET /student/{id}/enrollment/{type}***

<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token, id (student id), type (course section/school)
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/student/581a24ce5f6547784e7cdc9d/enrollment/coursesection
<b>Response Body</b>	<pre> [   {     "id": "581a24ec5f6547784e7cdc9f",     "user": {       "id": "581a24ce5f6547784e7cdc9d",       "userId": "b36c91621226409da84311e332ae38ca",       "username": "bg@demo.com",       "name": "b foster",       "firstName": "b",       "lastName": "foster",       "email": "bg@demo.com",       "roles": [         "student"       ],       "loggedIn": "2016-11-02T13:07:45.946Z"     },     "courseSection": { </pre>



	<pre>"id": "581a245bf3070270b5cb79a3", "name": "Bill Course Section", "sectionCode": "222", "lessons": [], "start": "2016-11-01T04:00:00.000Z", "end": "2017-11-17T05:00:00.000Z" }, "role": "student", "state": "active" } ]</pre>
<b>Response Headers</b>	<pre>{   "Date": "Thu, 15 Dec 2016 17:59:35 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Thu, 15 Dec 2016 17:59:35 GMT" }</pre>

## teacher

The APIs listed below are linked to their descriptions in this document.

GET	/teacher
GET	/teacher/{id}/coursesection
GET	/teacher/{id}/enrollment/{type}



<b>GET /teacher</b>	
<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/coursesection/581a245bf3070270b5cb79a3/student
<b>Response Body</b>	<pre>],   "loggedIn": "2016-12-12T12:36:24.320Z",   "gender": "male" }, {   "id": "584ff9bcae2f8092b2157e8f",   "userId": "584ff9bcae2f8092b2157e8f",   "username": "t1@qatestschool.com",   "name": "Teacher 1",   "firstName": "Teacher",   "lastName": "1",   "email": "t1@qatestschool.com",   "roles": [     "teacher"   ],   "loggedIn": "2016-12-12T11:56:10.200Z" }, {   "id": "584eaaa6afa8c34fe376c086",   "username": "user1@PULSE",   "name": "Test user1 - FR",   "firstName": "Test",   "lastName": "user1 - FR",   "roles": [     "student",     "teacher"   ],   "loggedIn": "2016-12-12T13:41:06.613Z",   "identityRef": {     "id": "583c3568646db904e4fb446d",     "name": "passaporte",     "scheme": "sso"   } } ]</pre>



<b>Response Headers</b>	<pre>{   "Date": "Thu, 15 Dec 2016 19:56:13 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Thu, 15 Dec 2016 19:56:13 GMT" }</pre>
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**GET /teacher/{id}/coursesection**

<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token, id (teacher id)
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-ga.gls.pearson-intl.com:443/teacher/574ec7e8f274765d08d890b5/coursesection
<b>Response Body</b>	<pre>[   {     "id": "574ec854f274765d08d890b7",     "name": "QA section",     "lessons": [],     "start": "2016-05-31T18:30:00.000Z",     "end": "2017-05-30T18:30:00.000Z"   } ]</pre>
<b>Response Headers</b>	<pre>{   "Date": "Thu, 15 Dec 2016 20:04:46 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",</pre>





	<pre> "X-Backend-Server": "10.76.195.99:8000", "Vary": "origin,accept-encoding", "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS", "Content-Type": "application/json; charset=utf-8", "Access-Control-Allow-Origin": "*", "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization", "Cache-Control": "max-age=0", "Transfer-Encoding": "chunked", "Access-Control-Max-Age": "86400", "Connection": "keep-alive", "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language", "Expires": "Thu, 15 Dec 2016 20:04:46 GMT" } </pre>
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<b>GET /teacher/{id}/enrollment/{type}</b>	
<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token, id (teacher id), type (course section, school)
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/teacher/574ec7e8f274765d08d890b5/enrollment/coursesection
<b>Response Body</b>	<pre> [   {     "id": "574ec855793ee15e08c59172",     "user": {       "id": "574ec7e8f274765d08d890b5",       "userId": "f738be5d32de476aa429684ed2a3be43",       "username": "QA_teacher@qa.com",       "name": "QA teacher",       "firstName": "QA",       "lastName": "teacher",       "email": "QA_teacher@qa.com",       "roles": [         "teacher"       ],       "loggedIn": "2016-06-01T10:46:53.873Z"     },     "courseSection": { </pre>



	<pre>       "id": "574ec854f274765d08d890b7",       "name": "QA section",       "lessons": [],       "start": "2016-05-31T18:30:00.000Z",       "end": "2017-05-30T18:30:00.000Z"     },     "role": "teacher",     "state": "active"   } ] </pre>
<b>Response Headers</b>	<pre> {   "Date": "Thu, 15 Dec 2016 20:10:57 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Thu, 15 Dec 2016 20:10:57 GMT" } </pre>

## user

The APIs listed below are linked to their descriptions in this document.

POST	/user	
GET	/user	
PUT	/user	
GET	/user/all	
GET	/user/auth-method	This requires key/secret authentication
POST	/user/session/token	This requires key/secret authentication
GET	/user/{id}	



DELETE	/user/{id}
PUT	/user/{id}
GET	/user/{id}/coursesection
DELETE	/user/{id}/highlight
GET	/user/{id}/highlight
PUT	/user/{id}/password
GET	/user/{id}/product

### POST /user

#### Authorization Required

<b>Method</b>	POST
<b>Mandatory Fields</b>	appid, token, firstName, lastName, roles, password, email
<b>Response Code</b>	201 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/user
<b>Response Body</b>	-
<b>Response Headers</b>	<pre>{   "Date": "Tue, 20 Dec 2016 17:55:36 GMT",   "Content-Encoding": "gzip",   "Vary": "origin,accept-encoding",   "Server": "nginx/1.8.1",   "Access-Control-Max-Age": "86400",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "no-cache",   "Transfer-Encoding": "chunked",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language" }</pre>



<b>GET /user</b>	
<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/user
<b>Response Body</b>	<pre>{   "id": "56f15784bb7bd78d603c3476",   "userId": "b347392f3eb39e01451cbac822b83131",   "username": "glos_admin",   "name": "GLOS Administrator ",   "firstName": "GLOS",   "lastName": "Administrator ",   "email": "hello@any.com",   "roles": [     "admin"   ],   "loggedIn": "2016-12-20T16:14:23.321Z",   "gender": "M",   "role": "admin" }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Tue, 20 Dec 2016 16:54:15 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Tue, 20 Dec 2016 16:54:15 GMT" }</pre>



<b>PUT /user</b>	
<b>Method</b>	PUT
<b>Mandatory Fields</b>	appid, token
<b>Response Code</b>	500 Internal Server Error
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/user
<b>Response Body</b>	-
<b>Response Headers</b>	<pre>{   "Date": "Tue, 20 Dec 2016 19:22:43 GMT",   "Content-Encoding": "gzip",   "Vary": "origin,accept-encoding",   "Server": "nginx/1.8.1",   "Access-Control-Max-Age": "86400",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson- intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization",   "Cache-Control": "no-cache",   "Transfer-Encoding": "chunked",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language" }</pre>

<b>GET /user/all</b>	
<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/user/all



<b>Response Body</b>	<pre>[   {     "id": "580710c7f3cdf9c81f64b8c8",     "userId": "a8be7b53c3fc437cb26c4cbeff0d77d8",     "username": "s1@11.com",     "name": "s1 ln",     "firstName": "s1",     "lastName": "ln",     "email": "s1@11.com",     "roles": [       "student"     ],     "loggedIn": "2016-10-18T09:01:06.394Z"   },   {     "id": "574d347e40c04250086b67ab",     "userId": "b8c5e9bd7f3c420c912bfa8ea229729c",     "username": "test_admin@qa.com",     "name": "Test admin",     "firstName": "Test",     "lastName": "admin",     "email": "test_admin@qa.com",     "roles": [       "admin"     ],     "loggedIn": "2016-12-19T19:17:44.747Z"   },   {     "id": "58593cffcd4944faaf86c959",     "userId": "a4fe6b38843a444a9def267fa747a74f",     "username": "achul@dev.com",     "name": "Achyuth Dev",     "firstName": "Achyuth",     "lastName": "Dev",     "email": "achul@dev.com",     "roles": [       "student"     ],     "loggedIn": "2016-12-20T09:29:01.853Z"   } ]</pre>
<b>Response Headers</b>	<pre>{   "Date": "Tue, 20 Dec 2016 19:27:44 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH,</pre>



	<pre>DELETE, OPTIONS", "Content-Type": "application/json; charset=utf-8", "Access-Control-Allow-Origin": "*", "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization", "Cache-Control": "max-age=0", "Transfer-Encoding": "chunked", "Access-Control-Max-Age": "86400", "Connection": "keep-alive", "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language", "Expires": "Tue, 20 Dec 2016 19:27:44 GMT" }</pre>
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<b>GET /user/auth-method</b>	
<b>Required</b>	Key/secret authorization
<b>Method</b>	GET
<b>Mandatory Fields</b>	username
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/user/auth-method?username=achul%40dev.com&&
<b>Response Body</b>	-
<b>Response Headers</b>	<pre>"Date": "Tue, 20 Dec 2016 19:56:00 GMT", "Content-Encoding": "gzip", "Vary": "origin,accept-encoding", "Server": "nginx/1.8.1", "Access-Control-Max-Age": "86400", "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS", "Content-Type": "application/json; charset=utf-8", "Access-Control-Allow-Origin": "*", "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization", "Cache-Control": "no-cache", "Transfer-Encoding": "chunked", "Connection": "keep-alive", "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language"</pre>



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	}
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### **POST /user/session/token**

<b>Required</b>	Key/secret authorization
<b>Method</b>	POST
<b>Mandatory Fields</b>	appid, token
<b>Response Code</b>	201 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/user/session/token
<b>Response Body</b>	-
<b>Response Headers</b>	<pre>{   "Date": "Tue, 20 Dec 2016 20:04:55 GMT",   "Content-Encoding": "gzip",   "Vary": "origin,accept-encoding",   "Server": "nginx/1.8.1",   "Access-Control-Max-Age": "86400",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson- intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization",   "Cache-Control": "no-cache",   "Transfer-Encoding": "chunked",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language" }</pre>

### **GET /user/(id)**

<b>Method</b>	GET
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<b>Mandatory Fields</b>	Appid, token, id (user id)
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/user/574d35faad7bf04309332780
<b>Response Body</b>	<pre>{   "id": "574d35faad7bf04309332780",   "userId": "e622898532bf4d528d42692bc4c5908a",   "username": "Test_Teacher@qa.com",   "name": "Test Teacher",   "firstName": "Test",   "lastName": "Teacher",   "email": "Test_Teacher@qa.com",   "roles": [     "teacher"   ],   "loggedIn": "2016-05-30T07:35:25.908Z",   "createdBy": "test_admin@qa.com",   "role": "teacher" }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Wed, 21 Dec 2016 15:02:14 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Wed, 21 Dec 2016 15:02:14 GMT" }</pre>



<b><i>DELETE /user/(id)</i></b>	
<b>Required</b>	Authorization
<b>Method</b>	DELETE
<b>Mandatory Fields</b>	appid, token, id (user id)
<b>Response Code</b>	201 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/user/574d35faad7bf04309332780
<b>Response Body</b>	-
<b>Response Headers</b>	<pre>{   "Date": "Wed, 21 Dec 2016 16:26:31 GMT",   "Content-Encoding": "gzip",   "Vary": "origin,accept-encoding",   "Server": "nginx/1.8.1",   "Access-Control-Max-Age": "86400",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "no-cache",   "Transfer-Encoding": "chunked",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language" }</pre>

<b><i>PUT user (id)</i></b>	
<b>Method</b>	PUT
<b>Mandatory Fields</b>	appid, token, user id
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-



	intl.com:443/user/580710c7f3cdf9c81f64b8c8
<b>Response Body</b>	<pre>{   "id": "580710c7f3cdf9c81f64b8c8",   "userId": "a8be7b53c3fc437cb26c4cbeff0d77d8",   "username": "s1@l1.com",   "name": "s1 ln",   "firstName": "s2",   "lastName": "ln",   "email": "s1@l1.com",   "roles": [     "student"   ],   "loggedIn": "2016-12-21T14:37:54.934Z" }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Wed, 21 Dec 2016 14:37:54 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Wed, 21 Dec 2016 14:37:54 GMT" }</pre>

**GET /user/{id}/coursesection**

<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token, id (user id)
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized



<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/user/580710c7f3cdf9c81f64b8c8/coursesection
<b>Response Body</b>	[ <pre>       {         "id": "58071111f3cdf9c81f64b8ca",         "name": "Test name",         "sectionCode": "Test sharan course section code",         "lessons": [],         "start": "2016-10-11T18:30:00.000Z",         "end": "2016-10-30T18:30:00.000Z"       }       ]       </pre>
<b>Response Headers</b>	<pre>       {         "Date": "Wed, 21 Dec 2016 15:03:27 GMT",         "Content-Encoding": "gzip",         "Server": "nginx/1.8.1",         "X-Backend-Server": "10.76.195.99:8000",         "Vary": "origin,accept-encoding",         "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",         "Content-Type": "application/json; charset=utf-8",         "Access-Control-Allow-Origin": "*",         "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",         "Cache-Control": "max-age=0",         "Transfer-Encoding": "chunked",         "Access-Control-Max-Age": "86400",         "Connection": "keep-alive",         "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",         "Expires": "Wed, 21 Dec 2016 15:03:27 GMT"       }       </pre>

**DELETE /user/{Id}/highlight**

<b>Method</b>	DELETE
<b>Mandatory Fields</b>	appid, token, id (user id)
<b>Response Code</b>	204 - Successful / 404 - Not Found / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/user/58202c02aa01b54e8722aa4b/highlight



<b>Response Body</b>	no content
<b>Response Headers</b>	<pre>{   "Date": "Wed, 21 Dec 2016 15:36:01 GMT",   "Vary": "origin,accept-encoding",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Access-Control-Max-Age": "86400",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "text/plain; charset=UTF-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson- intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization",   "Cache-Control": "max-age=0",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Content-Length": "0",   "Expires": "Wed, 21 Dec 2016 15:36:01 GMT" }</pre>

### **GET /user/{id}/highlight**

<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token, id (user id)
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/user/580710c7f3cdf9c81f64b8c8/highlight
<b>Response Body</b>	<pre>[   {     "pageId": "1",     "creationTime": "2016-11-07T07:23:46.848Z",     "updatedAt": "2016-11-07T07:23:46.848Z",     "sourceType": "highlight",     "id": "58202c02aa01b54e8722aa4b",     "user": "580710c7f3cdf9c81f64b8c8",     "sourceId": "1"   },   {     "pageId": "12",</pre>



	<pre>"creationTime": "2016-11-07T07:24:00.057Z", "updatedAt": "2016-11-07T07:24:00.057Z", "sourceType": "highlight", "id": "58202c10aa01b54e8722aa4e", "user": "580710c7f3cdf9c81f64b8c8", "sourceId": "100" } ]</pre>
<b>Response Headers</b>	<pre>{   "Date": "Wed, 21 Dec 2016 15:30:39 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Wed, 21 Dec 2016 15:30:39 GMT" }</pre>

<b>PUT /user/{id}/password</b>	
<b>Required</b>	Authorization
<b>Method</b>	PUT
<b>Mandatory Fields</b>	appid, token, id (user id), password
<b>Response Code</b>	500-Internal Server Error
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/user/56f157b9bb7bd78d603c3477/password
<b>Response Body</b>	<pre>{   "statusCode": 500,   "error": "Internal Server Error", }</pre>



	<pre>"message": "An internal server error occurred" }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Wed, 21 Dec 2016 15:45:55 GMT",   "Content-Encoding": "gzip",   "Vary": "origin,accept-encoding",   "Server": "nginx/1.8.1",   "Access-Control-Max-Age": "86400",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson- intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization",   "Cache-Control": "no-cache",   "Transfer-Encoding": "chunked",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language" }</pre>

**GET /user/{id}/product**

<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token, id (user id)
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/user/572729781049c95208a5d102/product
<b>Response Body</b>	<pre>[   {     "id": "56f232ed226b031530f1a715",     "coverImageURL": {       "id": "56f23355226b031530f1a717",       "url": "http://cdn.gloss.pearson- intl.com/resources/products/epubs/generated-qa/e491b774-c720- 4645-8677-01884de70862/5a54c046-6d81-471c-a058-0d990ad15466- 9781775956464.png"     },     "title": "Basic Programming Principles",     "books": [</pre>



	<pre>{   "id": "56f23355226b031530f1a716",   "metadata": {     "host": "http://cdn.gloss.pearson-intl.com",     "path": "/resources/products/epubs/protected/SA/7dba70e4-58bd-4b37-b6e4- 4clebf40f43f-9780636193918.zip",     "coverImage": "/resources/products/epubs/generated/d92a690f-6841-42f7-898e- a6f6d8301ed5/BearWantsMore_TR.png",     "encpwd": "6pA/evSehmlwQnzAYiIZuogEJCkiVADXuxhmlvDOzAHsibaRcQPI6tHwnRyxSdng ",     "title": "Updated Basic Programming Principles"   } }, "epubURL": "http://cdn.gloss.pearson- intl.com/resources/products/epubs/generated-qa/e491b774-c720- 4645-8677-01884de70862/efa98e60-f0bd-11e5-b73a- e3f8b28054ce5a54c046-6d81-471c-a058-0d990ad15466- 9781775956464.zip", "encpwd": "Z9CWCVL7/D2Zy+L6mvljzoaopKuGptjYHX2qh32xIE/mOzkfelTcZ5JSYkfL+JrQ ", "allowedPageNavigation": "vertical", "layout": [   "portrait_single_page,landscape_single_page" ] }, {   "id": "56f2388b226b031530f1a743",   "coverImageURL": {     "id": "56f23b2b226b031530f1a76b",     "url": "http://cdn.gloss.pearson- intl.com/resources/products/epubs/generated-qa/82e92d0e-728a- 487b-ba4a-93761149a0db/images/cover.jpg"   },   "title": "Focus Life Sciences - Lightbox1",   "books": [     {       "id": "56f23b2a226b031530f1a744",       "metadata": {         "role": "student",         "type": "epub",         "host": "http://cdn.gloss.pearson-intl.com",         "path": "/resources/products/epubs/generated- qa/82e92d0e-728a-487b-ba4a-93761149a0db/e4607830-f0c1-11e5-b73a-</pre>
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	<pre>e3f8b28054ce9780636118225_pxe_premium_lightbox1.zip",   "coverImage": "/resources/products/epubs/generated- qa/82e92d0e-728a-487b-ba4a-93761149a0db/images/cover.jpg",   "opsRoot": "OPS/",   "encpwd": "Z9CWCVL7/D2Zy+L6mv1jozaopKuGPTjYHX2qh32xIE/mOzkfelTcZ5JSYkfL+JrQ ",     "title": "Focus Life Sciences Grade 10 Learner's Book"   } } ],   "epubURL": "http://cdn.gloss.pearson- intl.com/resources/products/epubs/generated-qa/82e92d0e-728a- 487b-ba4a-93761149a0db/e4607830-f0c1-11e5-b73a- e3f8b28054ce9780636118225_pxe_premium_lightbox1.zip",   "description": "NA",   "encpwd": "Z9CWCVL7/D2Zy+L6mv1jozaopKuGPTjYHX2qh32xIE/mOzkfelTcZ5JSYkfL+JrQ ",   "allowedPageNavigation": "vertical",   "layout": [     "portrait_single_page,landscape_single_page"   ] } ]</pre>
<b>Response Headers</b>	<pre>{   "Date": "Wed, 21 Dec 2016 15:55:54 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization",   "Cache-Control": "max-age=0",   "Transfer-Encoding": "chunked",   "Access-Control-Max-Age": "86400",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language",   "Expires": "Wed, 21 Dec 2016 15:55:54 GMT" }</pre>



## user-product

The APIs listed below are linked to their descriptions in this document.

POST	/user-product
GET	/user-product
GET	/user-product/{id}
PUT	/user-product/{id}
DELETE	/user-product/{id}

<b>POST /user-product</b>	
<b>Required</b>	Authorization
<b>Method</b>	POST
<b>Mandatory Fields</b>	Appid, token, userId, productId
<b>Response Code</b>	201 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/user-product
<b>Response Body</b>	-
<b>Response Headers</b>	{ "Date": "Wed, 21 Dec 2016 21:37:25 GMT", "Content-Encoding": "gzip", "Vary": "origin,accept-encoding", "Server": "nginx/1.8.1", "Access-Control-Max-Age": "86400", "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS", "Content-Type": "application/json; charset=utf-8", "Access-Control-Allow-Origin": "https://api-qa.gls.pearson-intl.com", "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization", "Cache-Control": "no-cache", "Transfer-Encoding": "chunked", "Connection": "keep-alive", "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language"



	}
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<b>GET /user-product</b>	
<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/user-product
<b>Response Body</b>	<pre>[   {     "id": "57a9ab24235b95746026dccf",     "user": {       "id": "57e25798c5339e4d35fec96",       "userId": "4748309964b44ffe88a74da36997c4f2",       "username": "mm19@qa1.com",       "name": "mm21 mmlname",       "firstName": "mm21",       "lastName": "mmlname",       "email": "mm19@qa1.com",       "roles": [         "student"       ],       "loggedIn": "2016-09-19T15:30:59.195Z"     },     "product": {       "id": "56fcf1069147bb120d0b9de7",       "coverImageURL": {         "id": "56fcf2f63e8d2701ddb9eada",         "url": "http://cdn.gloss.pearson-intl.com/resources/products/epubs/generated-qa/de3d4ca2-ee0c-473f-979d-69fe0e2f49b7/AuditingNotes_image.png"       },       "title": "Pulse PDF product",       "author": "test",       "books": [         {           "id": "56fcf2f63e8d2701ddb9ead9",           "metadata": {             "role": "student",</pre>



	<pre>        "type": "pdf",         "host": "http://cdn.gloss.pearson-intl.com",         "path": "/resources/products/epubs/generated-qa/de3d4ca2-ee0c-473f-979d-69fe0e2f49b7/091bc160-f726-11e5-bb4d-f90b6de99bbdAuditingNotes.pdf",         "coverImage": "/resources/products/epubs/generated-qa/de3d4ca2-ee0c-473f-979d-69fe0e2f49b7/AuditingNotes_image.png"       }     ],     "epubURL": "http://cdn.gloss.pearson-intl.com/resources/products/epubs/generated-qa/de3d4ca2-ee0c-473f-979d-69fe0e2f49b7/091bc160-f726-11e5-bb4d-f90b6de99bbdAuditingNotes.pdf",     "description": "pulse dev product",     "allowedPageNavigation": "horizontal",     "layout": [       "portrait_single_page,landscape_single_page"     ]   },   "createdBy": {     "id": "56f157edbb7bd78d603c3478",     "userId": "a5ca08fc9b6044d4b528b6b930445bde",     "username": "test_pearson_admin@pearson.com",     "name": "Pearson Admin",     "firstName": "Pearson",     "lastName": "Admin",     "email": "test_pearson_admin@pearson.com",     "roles": [       "pearson-admin"     ],     "loggedIn": "2016-12-21T20:51:25.240Z",     "gender": "M"   } } ]</pre>
Response Headers	<pre>{   "Date": "Wed, 21 Dec 2016 20:51:57 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.98:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "*",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server-Authorization",</pre>



	<pre>"Cache-Control": "max-age=0", "Transfer-Encoding": "chunked", "Access-Control-Max-Age": "86400", "Connection": "keep-alive", "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language", "Expires": "Wed, 21 Dec 2016 20:51:57 GMT" }</pre>
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<b>GET /user-product/{id}</b>	
<b>Method</b>	GET
<b>Mandatory Fields</b>	appid, token, id (user id)
<b>Response Code</b>	200 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/user-product/57a9ab24235b95746026dccf
<b>Response Body</b>	<pre>{   "id": "57a9ab24235b95746026dccf",   "user": {     "id": "57e25798c5339e4d35fec96",     "userId": "4748309964b44ffe88a74da36997c4f2",     "username": "mm19@qa1.com",     "name": "mm21 mmlname",     "firstName": "mm21",     "lastName": "mmlname",     "email": "mm19@qa1.com",     "roles": [       "student"     ],     "loggedIn": "2016-09-19T15:30:59.195Z"   },   "product": {     "id": "56fcf1069147bb120d0b9de7",     "coverImageURL": {       "id": "56fcf2f63e8d2701ddb9eada",       "url": "http://cdn.gloss.pearson-intl.com/resources/products/epubs/generated-qa/de3d4ca2-ee0c-473f-979d-69fe0e2f49b7/AuditingNotes_image.png"     },     "title": "Pulse PDF product",     "author": "test",   } }</pre>



	<pre>"books": [   {     "id": "56fcf2f63e8d2701ddb9ead9",     "metadata": {       "role": "student",       "type": "pdf",       "host": "http://cdn.gloss.pearson-intl.com",       "path": "/resources/products/epubs/generated- qa/de3d4ca2-ee0c-473f-979d-69fe0e2f49b7/091bc160-f726-11e5-bb4d- f90b6de99bbdAuditingNotes.pdf",       "coverImage": "/resources/products/epubs/generated- qa/de3d4ca2-ee0c-473f-979d-69fe0e2f49b7/AuditingNotes_image.png"     }   } ], "epubURL": "http://cdn.gloss.pearson- intl.com/resources/products/epubs/generated-qa/de3d4ca2-ee0c- 473f-979d-69fe0e2f49b7/091bc160-f726-11e5-bb4d- f90b6de99bbdAuditingNotes.pdf", "description": "pulse dev product", "allowedPageNavigation": "horizontal", "layout": [   "portrait_single_page,landscape_single_page" ] }, "createdBy": {   "id": "56f157edbb7bd78d603c3478",   "userId": "a5ca08fc9b6044d4b528b6b930445bde",   "username": "test_pearson_admin@pearson.com",   "name": "Pearson Admin",   "firstName": "Pearson",   "lastName": "Admin",   "email": "test_pearson_admin@pearson.com",   "roles": [     "pearson-admin"   ],   "loggedIn": "2016-12-21T20:53:53.164Z",   "gender": "M" } }</pre>
<b>Response Headers</b>	<pre>{   "Date": "Wed, 21 Dec 2016 21:12:02 GMT",   "Content-Encoding": "gzip",   "Server": "nginx/1.8.1",   "X-Backend-Server": "10.76.195.99:8000",   "Vary": "origin,accept-encoding",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS", }</pre>



	<pre>"Content-Type": "application/json; charset=utf-8", "Access-Control-Allow-Origin": "*", "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization", "Cache-Control": "max-age=0", "Transfer-Encoding": "chunked", "Access-Control-Max-Age": "86400", "Connection": "keep-alive", "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language", "Expires": "Wed, 21 Dec 2016 21:12:02 GMT" }</pre>
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<b>PUT /user-product/{id}</b>	
<b>Required</b>	Authorization
<b>Method</b>	PUT
<b>Mandatory Fields</b>	Appid, token, id, userId, productId
<b>Response Code</b>	201 - Successful / 400 - Bad Request / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/user-product/57a9ab24235b95746026dccf
<b>Response Body</b>	-
<b>Response Headers</b>	<pre>{ "Date": "Thu, 22 Dec 2016 18:26:35 GMT", "Content-Encoding": "gzip", "Vary": "origin,accept-encoding", "Server": "nginx/1.8.1", "Access-Control-Max-Age": "86400", "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS", "Content-Type": "application/json; charset=utf-8", "Access-Control-Allow-Origin": "https://api-qa.gls.pearson- intl.com", "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization", "Cache-Control": "no-cache", "Transfer-Encoding": "chunked", "Connection": "keep-alive",</pre>



	<pre>"Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language" }</pre>
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<b>DELETE /user-product/{id}</b>	
<b>Required</b>	Authorization
<b>Method</b>	DELETE
<b>Mandatory Fields</b>	appid, token, id
<b>Response Code</b>	204 - Successful / 404 - Not Found / 401 - Unauthorized
<b>Request URL</b>	https://api-qa.gls.pearson-intl.com:443/user-product/56fcf1069147bb120d0b9de8
<b>Response Body</b>	-
<b>Response Headers</b>	<pre>{   "Date": "Thu, 22 Dec 2016 19:21:17 GMT",   "Content-Encoding": "gzip",   "Vary": "origin,accept-encoding",   "Server": "nginx/1.8.1",   "Access-Control-Max-Age": "86400",   "Access-Control-Allow-Methods": "GET, HEAD, POST, PUT, PATCH, DELETE, OPTIONS",   "Content-Type": "application/json; charset=utf-8",   "Access-Control-Allow-Origin": "https://api-qa.gls.pearson- intl.com",   "Access-Control-Expose-Headers": "WWW-Authenticate, Server- Authorization",   "Cache-Control": "no-cache",   "Transfer-Encoding": "chunked",   "Connection": "keep-alive",   "Access-Control-Allow-Headers": "Authorization, Content-Type, If-None-Match, appid, token, assetid, asseturl, deviceid, appversion, user-agent, Accept-Language" }</pre>



