API Work Flow

Owned by [Justin Park (Deactivated)](https://virdocs.atlassian.net/wiki/people/557058:02d2473f-9b33-4040-92a5-396ce7dad9f0?ref=confluence&src=profilecard)

Last updated: [May 15, 2024](https://virdocs.atlassian.net/wiki/pages/diffpagesbyversion.action?pageId=1099300995&selectedPageVersions=68&selectedPageVersions=69) by [Anton Smolenkov](https://virdocs.atlassian.net/wiki/people/5b29c92ac175e5207bf82bed?ref=confluence&src=profilecard)

79 min read

65 people viewed

Troubleshooting User’s Shelf

* Impersonate user on redshelf.com
* Navigate to <https://redshelf.com/services/assets?include=Product%2CProduct.productDetails> in browser.

Domains and User Account Info

**[redshelf domain]**

* Master Testing : <https://redshelfmastertesting.com/>
* Release Testing: <https://redshelfreleasetesting.com/>
* Production : <https://redshelf.com/>
* Local: <http://localhost:8000/>

**[platform domain]**

* Master Testing: <https://platformmastertesting.com/>
* Release Testing: <https://platformreleasetesting.com/>
* Stage: <https://stage.virdocs.com/admin/>
* Production: <https://platform.virdocs.com/>
* Local: <http://localhost:8001/>

Production Test Users:

* [coherenttester123@gmail.com](mailto:coherenttester123@gmail.com)
* [egaweppo-0692@yopmail.com](mailto:egaweppo-0692@yopmail.com)
* [gidderypol-2233@yopmail.com](mailto:gidderypol-2233@yopmail.com)
* [uraddoddeci-0039@yopmail.com](mailto:uraddoddeci-0039@yopmail.com)

Password (for all users): Coherent123%

**Master Testing Test User & Book Info**

* All users have one expired purchase titled “RedShelf Handbook”
* All users (except mobileuser11 and mobileuser12) have one purchase with a not processed title called “Mobile Test - Not Processed”
* The book “Psychology” does not have offline enabled
* **Password** (for all users): CoherentMobile!
* **Non-2FA Users:**
  + Email: mobileuser1@redshelf.com
    - Number of owned books: 4
  + Email: mobileuser2@redshelf.com
    - Number of owned books: about 40 books
  + Email: mobileuser5@redshelf.com
    - Number of owned books: 4
  + Email: mobileuser6@redshelf.com
    - Number of owned books: 4
  + Email: mobileuser9@redshelf.com
    - Number of owned books: 1
  + Email: mobileuser11@redshelf.com
    - Number of owned books: 0
  + Email: mobileuser13@redshelf.com
    - Number of owned books: 4
  + Email: mobileuser14@redshelf.com
    - Number of owned books: 4
  + Email: mobileuser15@redshelf.com
    - Number of owned books: 4
* **2FA Users**:
  + 2FA Key (applies to all 2FA Users): FR4767VP64YMZC4S
  + Email: mobileuser3@redshelf.com
    - Number of owned books: 4
  + Email: mobileuser4@redshelf.com
    - Number of owned books: 4
  + Email: mobileuser7@redshelf.com
    - Number of owned books: 4
  + Email: mobileuser8@redshelf.com
    - Number of owned books: 4
  + Email: mobileuser10@redshelf.com
    - Number of owned books: 1
  + Email: mobileuser12@redshelf.com
    - Number of owned books: 0
  + Manually enter 2FA Key into authenticator app like Google Authenticator to generate one time passwords. See “Request Body for 2FA” example under LoginService.
  + Verifying you have latest 2FA Key:
    - Go to **[redshelf domain]/admin/accounts/twofactorauth/** with **Admin User** information.
    - Search the user you want, i.e. “mobileuser3”
    - Click into user and the latest 2FA key will be under **Key**
* **Admin User**:
  + **[redshelf domain]/admin/**
    - Email: [admin@virdocs.com](mailto:admin@virdocs.com) / Password: TestingIsImportant!
  + **[platform domain]/admin/**
    - Username: virdocs / Password: ^ks0V#G8Q1!9

Forgot Password Workflow

**POST [redshelf domain]/accounts/forgot\_mobile/**

JSON Request

*// Required Headers*

X-CSRFTOKEN: <csrf token **from** /services/account/user/me>

*// JSON Body*

{"email": "example@email.com"}

Successful JSON Response

*// 200 Status Code*

{"message": "ok"} *// Password reset email has been sent*

Invalid Email JSON Response

*// 400 Status Code*

{"message": "The email address specified is not valid"}

Error JSON Response

*// 500 Status Code*

{"message": "An error occurred"}

App Authentication Bootstrap Workflow

Open Untitled (8).png

**MeService - [redshelf domain]/services/account/user/me**

**GET Response**

Notes: Use is\_logged\_in property to determine if user is logged in.

*// Status Code 200*

{

"data": {

"type": "login",

"id": "0",

"attributes": {

"navigation\_info": {

"is\_dashboard\_enabled": false,

"is\_samples\_enabled": true,

"role\_for\_adopt": **null**,

"is\_impersonating": false,

"is\_analytics\_enabled": true,

"ecommerce\_course\_id": **null**,

"is\_bookstore\_manager": true,

"is\_manager": true,

"is\_posting\_enabled": false,

"role\_for\_course\_manager": {},

"is\_course\_manager\_enabled": true

},

"is\_logged\_in": true,

"whitelabel\_id": **null**,

"session\_id": "3wo2ep7low91olc4io1bqd18zevswn3w",

"current\_role": **null**,

"enabled\_features": [],

"csrf\_token": "Dh3MJpBgZ9sGKaacwvrR0WEWIqdS047HPzIllXU1q3ewzDUDC2dMyjmC3eP9ff9O",

"platform\_user\_id": 91

},

"relationships": {

"user": {

"data": {

"type": "user",

"id": "1"

}

},

"current\_org": {

"data": **null**

}

}

},

"included": [

{

"type": "user",

"id": "1",

"attributes": {

"email": "admin@virdocs.com",

"first\_name": "Admin",

"last\_name": "Account",

"is\_redshelf\_employee": true

}

}

]

}

**LoginService - [redshelf domain]/services/account/login?get\_jwt=true**

**POST Request**

*// Required Headers:*

*// X-CSRFTOKEN: <CSRF Token>*

*// Cookie: csrftoken=<CSRF Token>*

*// Referer: [redshelf domain]*

*// Request Body:*

{

"email": "johndoe@uiuc.edu",

"password": "password"

}

*// Request Body for 2FA:*

{

"email": "johndoe@uiuc.edu",

"password": "password",

"one\_time\_password": "2fa code"

}

**JSON Response For 2FA User:**

*// Status Code: 200*

{

"data": {

"two\_factor": true

}

}

**JSON Response With JWT:**

*// Status Code: 200*

{

"data": {

"message": "success",

"jwt": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VybmFtZSI6Imp1c3RpbkByZWRzaGVsZi5jb20iLCJvcmlnX2lhdCI6MTU4NTc5NzgyMywiYXBpX3VzZXIiOiJSUzAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwNTg3NjMiLCJ1c2VyX2lkIjo1ODc2MywidXNlcl9wcm9maWxlX2lkIjpbbnVsbF0sImV4cCI6MTU4NTgwNTAyMywiaWF0IjoxNTg1Nzk3ODIzfQ.3cIYv1d3Y8Ur8Bmh2YK6Szf77xSHWCduk-t9mmdboAw",

"refresh": "eyJ0eXAiOiJKV1QiLCJhbsciOiJIUzI1NiJ9.eyJ1c2VybmFtZSI6Im1vYmlsZXVzZXIxQHJlZHNoZWxmLmNvbSIsImlhdCI6MTU4ODA4Nzc2NiwiZXhwIjoxNTg5Mjk1MzY2LCJ1c2VyX2lkIjo3OSwidXNlcl9wcm9maWxlX2lkIjpbbnVsbF0sIm9yaWdfaWF0IjoxNTg4MDg3NzY2LCJhcGlfdXNlciI6IlJTMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDA3OSIsInR5a2VuX3R5cGUiOiJyZWZyZXNoIn0.q585ccAuFXgwhXgsfm0MgzWtOKeAdFD9Q7u0y6Al5YE",

"email": "johndoe@uiuc.edu"

}

}

**JSON Response With Error:**

*// Status Code: 400*

{

"errors": {

"email": [

"Enter a valid email address."

]

}

}

*// Status Code: 400*

{

"errors": {

"non\_field\_errors": [

"Your authentication information is incorrect. Please try again."

]

}

}

JWT Refresh

Open JWT Refresh.png

**Refresh Service - [redshelf domain]/services/account/token/refresh**

**POST Request**

{

"refresh": <refresh token **from** LoginService>

}

**POST Response**

{

"jwt": "eyJ0eXAiOi3KV1QiLCJhbGciOiJIUzI1NiJ9.eyJ1c2VybmFtZSI6Im1vYmlsZXVzZXIxQHJlZHNoZWxmLmNvbSIsImlhdCI6MTU4ODA4ODQ1NywiZXhwIjoxNTg4MDk1NjU3LCJ1c2VyX2lkIjo3OSwidXNlcl9wcm9maWxlX2lkIjpbbnVsbF0sIm9yaWdfaWF0IjoxNTg4MDg4NDU3LCJhcGlfdXNlciI6IlJTMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDAwMDA3OSIsInRva2VuX3R5cGUaOiJhY2Nlc3MifQ.Eo\_1nCG6pYHP1EGdJN3By42iu9L42oz2WXp-N3hZZTg"

}

My Shelf / Assets

**AssetsService - GET [redshelf domain]/services/assets?include=Product,Product.productDetails**

**Query Params**

* include=Product,Product.productDetail

**JSON Response**

Notes:

* we use this API to get a list of Assets that belong to the logged-in user. this will be used to populate “My Shelf”. replaces the /services/user-subs endpoint.
* Use "product\_launch\_ids” property for platform\_owned\_book\_id
* only show books, as the other product types aren’t launched in the reader

HTTP 200 OK

Allow: GET

Content-Type: application/vnd.api+json

Vary: Accept

{

"links": {

"first": "https://redshelfmastertesting.com/services/assets?include=Product%2CProduct.productDetails&page=1",

"last": "https://redshelfmastertesting.com/services/assets?include=Product%2CProduct.productDetails&page=1",

"next": **null**,

"prev": **null**

},

"data": [

{

"type": "Asset",

"id": "4612",

"attributes": {

"expiration\_date": "Nov 10, 2021",

"created\_date": "Nov 10, 2020",

"calc\_days\_to\_expire": 356,

"org\_id": 8,

"product\_launch\_ids": {

"type": "platform\_owned\_book\_id",

"value": 276

}

},

"relationships": {

"product": {

"data": {

"type": "Product",

"id": "00010000000003"

}

},

"collection": {

"data": **null**

},

"course\_section": {

"data": **null**

},

"user": {

"data": {

"type": "user",

"id": "112"

}

}

}

},

{

"type": "Asset",

"id": "4611",

"attributes": {

"expiration\_date": "Nov 10, 2021",

"created\_date": "Nov 10, 2020",

"calc\_days\_to\_expire": 356,

"org\_id": 8,

"product\_launch\_ids": {

"type": "platform\_owned\_book\_id",

"value": 275

}

},

"relationships": {

"product": {

"data": {

"type": "Product",

"id": "00010000000002"

}

},

"collection": {

"data": **null**

},

"course\_section": {

"data": **null**

},

"user": {

"data": {

"type": "user",

"id": "112"

}

}

}

},

{

"type": "Asset",

"id": "4613",

"attributes": {

"expiration\_date": "Nov 10, 2021",

"created\_date": "Nov 10, 2020",

"calc\_days\_to\_expire": 356,

"org\_id": 8,

"product\_launch\_ids": {

"type": "platform\_owned\_book\_id",

"value": 277

}

},

"relationships": {

"product": {

"data": {

"type": "Product",

"id": "00010000000004"

}

},

"collection": {

"data": **null**

},

"course\_section": {

"data": **null**

},

"user": {

"data": {

"type": "user",

"id": "112"

}

}

}

},

{

"type": "Asset",

"id": "4610",

"attributes": {

"expiration\_date": **null**,

"created\_date": "Nov 10, 2020",

"calc\_days\_to\_expire": **null**,

"org\_id": 8,

"product\_launch\_ids": {

"type": "platform\_owned\_book\_id",

"value": 274

}

},

"relationships": {

"product": {

"data": {

"type": "Product",

"id": "00010000000001"

}

},

"collection": {

"data": **null**

},

"course\_section": {

"data": **null**

},

"user": {

"data": {

"type": "user",

"id": "112"

}

}

}

}

],

"included": [

{

"type": "BookProduct",

"id": "1",

"attributes": {

"authors": "Christopher Ward, Carl Brennan",

"drm": {

"print\_allowance\_percent": 0.0,

"print\_allowance\_range": **null**,

"offline\_percent": 0.0,

"offline\_range": **null**,

"rolling\_print\_period": false,

"print\_time\_period": 0,

"print\_allowance\_num\_pages": 0,

"print\_limit\_per\_instance": false,

"consecutive\_print\_pages": false,

"ocr\_processing": false,

"sample\_percentage": 0.0,

"sample\_page\_end": 0,

"sample\_page\_ranges": **null**,

"copy\_percentage": 0.0,

"watermark": false

},

"edition": 0,

"language": "English",

"num\_pages": 0,

"product\_file\_type": "EPUB",

"has\_physical\_offerings\_only": false,

"author": "Christopher Ward, Carl Brennan",

"title": "Information Systems for Managers, Edition 4.0",

"subtitle": "Sed ut perspiciatis unde omnis iste natus",

"eisbn13": **null**,

"isbn13": **null**,

"eisbn10": **null**,

"isbn10": **null**,

"cover\_image": "https://redshelf-images.s3-external-1.amazonaws.com/thumbnail/default\_book\_cover.jpg",

"thumbnail\_image": "https://redshelf-images.s3-external-1.amazonaws.com/thumbnail/default\_book\_cover.jpg",

"default\_cover\_image": "https://redshelf-images.s3-external-1.amazonaws.com/thumbnail/default\_book\_cover.jpg",

"epub\_id": 1,

"api\_id": 0,

"processing\_attempted": false,

"processing\_successful": true,

"has\_national\_pricing": true,

"has\_inclusive\_pricing": false,

"in\_redshelf\_catalog\_file": false,

"is\_publisher\_mtc\_ready": false,

"has\_pricing\_at\_mtc\_duration": false,

"is\_uploaded": false,

"manufacturer": "Classroom Demo Publisher",

"is\_active": true,

"is\_deleted": false,

"is\_available": true,

"content\_issues": [],

"content\_warnings": [],

"tts\_enabled": true,

"is\_epub": true,

"imprint": "",

"chegg\_study\_link": **null**,

"publish\_year": **null**,

"course\_title": **null**,

"school\_title": **null**,

"website\_url": **null**,

"bisac\_codes": [],

"default\_thumbnail\_image": "https://redshelf-images.s3-external-1.amazonaws.com/thumbnail/default\_book\_thumbnail.jpg",

"is\_country\_allowed": true,

"show\_redeem": false,

"is\_book\_classroom\_enabled": true,

"is\_classroom\_book\_reprocessing": false,

"book\_type": "EPUB"

},

"relationships": {

"catalog\_item": {

"data": {

"type": "CatalogItem",

"id": "00010000000001"

}

},

"classroom": {

"data": {

"type": "Classroom",

"id": "1"

}

},

"internal\_info": {

"data": {

"type": "Book",

"id": "1"

}

},

"product\_files": {

"data": []

}

}

},

{

"type": "BookProduct",

"id": "2",

"attributes": {

"authors": "Dr. Nicholas Rodriguez, Zachary Morales",

"drm": {

"print\_allowance\_percent": 0.0,

"print\_allowance\_range": **null**,

"offline\_percent": 1.0,

"offline\_range": **null**,

"rolling\_print\_period": false,

"print\_time\_period": 0,

"print\_allowance\_num\_pages": 0,

"print\_limit\_per\_instance": false,

"consecutive\_print\_pages": false,

"ocr\_processing": false,

"sample\_percentage": 0.0,

"sample\_page\_end": 0,

"sample\_page\_ranges": **null**,

"copy\_percentage": 0.0,

"watermark": false

},

"edition": 0,

"language": "English",

"num\_pages": 0,

"product\_file\_type": "EPUB",

"has\_physical\_offerings\_only": false,

"author": "Dr. Nicholas Rodriguez, Zachary Morales",

"title": "Introduction to Criminal Justice. Third Edition",

"subtitle": "Sed ut perspiciatis unde omnis iste natus",

"eisbn13": **null**,

"isbn13": **null**,

"eisbn10": **null**,

"isbn10": **null**,

"cover\_image": "https://redshelf-images.s3-external-1.amazonaws.com/thumbnail/default\_book\_cover.jpg",

"thumbnail\_image": "https://redshelf-images.s3-external-1.amazonaws.com/thumbnail/default\_book\_cover.jpg",

"default\_cover\_image": "https://redshelf-images.s3-external-1.amazonaws.com/thumbnail/default\_book\_cover.jpg",

"epub\_id": 3,

"api\_id": 0,

"processing\_attempted": false,

"processing\_successful": true,

"has\_national\_pricing": true,

"has\_inclusive\_pricing": false,

"in\_redshelf\_catalog\_file": false,

"is\_publisher\_mtc\_ready": false,

"has\_pricing\_at\_mtc\_duration": false,

"is\_uploaded": false,

"manufacturer": "Classroom Demo Publisher",

"is\_active": true,

"is\_deleted": false,

"is\_available": true,

"content\_issues": [],

"content\_warnings": [],

"tts\_enabled": true,

"is\_epub": true,

"imprint": "",

"chegg\_study\_link": **null**,

"publish\_year": **null**,

"course\_title": **null**,

"school\_title": **null**,

"website\_url": **null**,

"bisac\_codes": [],

"default\_thumbnail\_image": "https://redshelf-images.s3-external-1.amazonaws.com/thumbnail/default\_book\_thumbnail.jpg",

"is\_country\_allowed": true,

"show\_redeem": false,

"is\_book\_classroom\_enabled": true,

"is\_classroom\_book\_reprocessing": false,

"book\_type": "EPUB"

},

"relationships": {

"catalog\_item": {

"data": {

"type": "CatalogItem",

"id": "00010000000002"

}

},

"classroom": {

"data": {

"type": "Classroom",

"id": "2"

}

},

"internal\_info": {

"data": {

"type": "Book",

"id": "2"

}

},

"product\_files": {

"data": []

}

}

},

{

"type": "BookProduct",

"id": "3",

"attributes": {

"authors": "Shawna Lopez",

"drm": {

"print\_allowance\_percent": 0.0,

"print\_allowance\_range": **null**,

"offline\_percent": 0.0,

"offline\_range": **null**,

"rolling\_print\_period": false,

"print\_time\_period": 0,

"print\_allowance\_num\_pages": 0,

"print\_limit\_per\_instance": false,

"consecutive\_print\_pages": false,

"ocr\_processing": false,

"sample\_percentage": 0.0,

"sample\_page\_end": 0,

"sample\_page\_ranges": **null**,

"copy\_percentage": 0.0,

"watermark": false

},

"edition": 0,

"language": "English",

"num\_pages": 0,

"product\_file\_type": "EPUB",

"has\_physical\_offerings\_only": false,

"author": "Shawna Lopez",

"title": "Psychology",

"subtitle": "Sed ut perspiciatis unde omnis iste natus",

"eisbn13": **null**,

"isbn13": **null**,

"eisbn10": **null**,

"isbn10": **null**,

"cover\_image": "https://redshelf-images.s3-external-1.amazonaws.com/thumbnail/default\_book\_cover.jpg",

"thumbnail\_image": "https://redshelf-images.s3-external-1.amazonaws.com/thumbnail/default\_book\_cover.jpg",

"default\_cover\_image": "https://redshelf-images.s3-external-1.amazonaws.com/thumbnail/default\_book\_cover.jpg",

"epub\_id": 4,

"api\_id": 0,

"processing\_attempted": false,

"processing\_successful": true,

"has\_national\_pricing": true,

"has\_inclusive\_pricing": false,

"in\_redshelf\_catalog\_file": false,

"is\_publisher\_mtc\_ready": false,

"has\_pricing\_at\_mtc\_duration": false,

"is\_uploaded": false,

"manufacturer": "Classroom Demo Publisher",

"is\_active": true,

"is\_deleted": false,

"is\_available": true,

"content\_issues": [],

"content\_warnings": [],

"tts\_enabled": true,

"is\_epub": true,

"imprint": "",

"chegg\_study\_link": **null**,

"publish\_year": **null**,

"course\_title": **null**,

"school\_title": **null**,

"website\_url": **null**,

"bisac\_codes": [],

"default\_thumbnail\_image": "https://redshelf-images.s3-external-1.amazonaws.com/thumbnail/default\_book\_thumbnail.jpg",

"is\_country\_allowed": true,

"show\_redeem": false,

"is\_book\_classroom\_enabled": true,

"is\_classroom\_book\_reprocessing": false,

"book\_type": "EPUB"

},

"relationships": {

"catalog\_item": {

"data": {

"type": "CatalogItem",

"id": "00010000000003"

}

},

"classroom": {

"data": {

"type": "Classroom",

"id": "3"

}

},

"internal\_info": {

"data": {

"type": "Book",

"id": "3"

}

},

"product\_files": {

"data": []

}

}

},

{

"type": "BookProduct",

"id": "4",

"attributes": {

"authors": "John Ford, Kennth Nguyen, Jasmine Baker",

"drm": {

"print\_allowance\_percent": 0.0,

"print\_allowance\_range": **null**,

"offline\_percent": 1.0,

"offline\_range": **null**,

"rolling\_print\_period": false,

"print\_time\_period": 0,

"print\_allowance\_num\_pages": 0,

"print\_limit\_per\_instance": false,

"consecutive\_print\_pages": false,

"ocr\_processing": false,

"sample\_percentage": 0.0,

"sample\_page\_end": 0,

"sample\_page\_ranges": **null**,

"copy\_percentage": 0.0,

"watermark": false

},

"edition": 0,

"language": "English",

"num\_pages": 0,

"product\_file\_type": "EPUB",

"has\_physical\_offerings\_only": false,

"author": "John Ford, Kennth Nguyen, Jasmine Baker",

"title": "Introduction to Teaching. Third Edition",

"subtitle": "Sed ut perspiciatis unde omnis iste natus",

"eisbn13": **null**,

"isbn13": **null**,

"eisbn10": **null**,

"isbn10": **null**,

"cover\_image": "https://redshelf-images.s3-external-1.amazonaws.com/thumbnail/default\_book\_cover.jpg",

"thumbnail\_image": "https://redshelf-images.s3-external-1.amazonaws.com/thumbnail/default\_book\_cover.jpg",

"default\_cover\_image": "https://redshelf-images.s3-external-1.amazonaws.com/thumbnail/default\_book\_cover.jpg",

"epub\_id": 5,

"api\_id": 0,

"processing\_attempted": false,

"processing\_successful": true,

"has\_national\_pricing": true,

"has\_inclusive\_pricing": false,

"in\_redshelf\_catalog\_file": false,

"is\_publisher\_mtc\_ready": false,

"has\_pricing\_at\_mtc\_duration": false,

"is\_uploaded": false,

"manufacturer": "Classroom Demo Publisher",

"is\_active": true,

"is\_deleted": false,

"is\_available": true,

"content\_issues": [],

"content\_warnings": [],

"tts\_enabled": true,

"is\_epub": true,

"imprint": "",

"chegg\_study\_link": **null**,

"publish\_year": **null**,

"course\_title": **null**,

"school\_title": **null**,

"website\_url": **null**,

"bisac\_codes": [],

"default\_thumbnail\_image": "https://redshelf-images.s3-external-1.amazonaws.com/thumbnail/default\_book\_thumbnail.jpg",

"is\_country\_allowed": true,

"show\_redeem": false,

"is\_book\_classroom\_enabled": true,

"is\_classroom\_book\_reprocessing": false,

"book\_type": "EPUB"

},

"relationships": {

"catalog\_item": {

"data": {

"type": "CatalogItem",

"id": "00010000000004"

}

},

"classroom": {

"data": {

"type": "Classroom",

"id": "4"

}

},

"internal\_info": {

"data": {

"type": "Book",

"id": "4"

}

},

"product\_files": {

"data": []

}

}

},

{

"type": "Product",

"id": "00010000000001",

"attributes": {

"name": "Information Systems for Managers, Edition 4.0",

"subtitle": "Sed ut perspiciatis unde omnis iste natus",

"description": "Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.",

"author": "Christopher Ward, Carl Brennan",

"slug": "information-systems-for-managers-edition-40-1-none-christopher-ward-carl-brennan",

"thumbnail\_image": "//redshelf-images.s3-external-1.amazonaws.com/thumbnail/default\_book\_cover.jpg",

"default\_thumbnail\_image": "//redshelf-images.s3-external-1.amazonaws.com/thumbnail/default\_book\_thumbnail.jpg",

"product\_type": "book",

"product\_id": "1",

"product\_url": "/app/ecom/book/1/information-systems-for-managers-edition-40-1-none-christopher-ward-carl-brennan",

"bisac\_codes": [],

"items\_count": **null**,

"identifiers": {

"ISBN13": "9711088013940",

"ISBN10": "2727910748"

}

},

"relationships": {

"lowest\_offering": {

"data": {

"type": "offerings",

"id": "00010000000022"

}

},

"product\_details": {

"data": {

"type": "BookProduct",

"id": "1"

}

}

}

},

{

"type": "Product",

"id": "00010000000002",

"attributes": {

"name": "Introduction to Criminal Justice. Third Edition",

"subtitle": "Sed ut perspiciatis unde omnis iste natus",

"description": "Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.",

"author": "Dr. Nicholas Rodriguez, Zachary Morales",

"slug": "introduction-to-criminal-justice-third-edition-2-none-dr-nicholas-rodriguez-zachary-morales",

"thumbnail\_image": "//redshelf-images.s3-external-1.amazonaws.com/thumbnail/default\_book\_cover.jpg",

"default\_thumbnail\_image": "//redshelf-images.s3-external-1.amazonaws.com/thumbnail/default\_book\_thumbnail.jpg",

"product\_type": "book",

"product\_id": "2",

"product\_url": "/app/ecom/book/2/introduction-to-criminal-justice-third-edition-2-none-dr-nicholas-rodriguez-zachary-morales",

"bisac\_codes": [],

"items\_count": **null**,

"identifiers": {

"ISBN13": "8235621339583",

"ISBN10": "8173345088"

}

},

"relationships": {

"lowest\_offering": {

"data": {

"type": "offerings",

"id": "00010000000028"

}

},

"product\_details": {

"data": {

"type": "BookProduct",

"id": "2"

}

}

}

},

{

"type": "Product",

"id": "00010000000003",

"attributes": {

"name": "Psychology",

"subtitle": "Sed ut perspiciatis unde omnis iste natus",

"description": "Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.",

"author": "Shawna Lopez",

"slug": "psychology-3-none-shawna-lopez",

"thumbnail\_image": "//redshelf-images.s3-external-1.amazonaws.com/thumbnail/default\_book\_cover.jpg",

"default\_thumbnail\_image": "//redshelf-images.s3-external-1.amazonaws.com/thumbnail/default\_book\_thumbnail.jpg",

"product\_type": "book",

"product\_id": "3",

"product\_url": "/app/ecom/book/3/psychology-3-none-shawna-lopez",

"bisac\_codes": [],

"items\_count": **null**,

"identifiers": {

"ISBN13": "2004795236409",

"ISBN10": "4776111579"

}

},

"relationships": {

"lowest\_offering": {

"data": {

"type": "offerings",

"id": "00010000000024"

}

},

"product\_details": {

"data": {

"type": "BookProduct",

"id": "3"

}

}

}

},

{

"type": "Product",

"id": "00010000000004",

"attributes": {

"name": "Introduction to Teaching. Third Edition",

"subtitle": "Sed ut perspiciatis unde omnis iste natus",

"description": "Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.",

"author": "John Ford, Kennth Nguyen, Jasmine Baker",

"slug": "introduction-to-teaching-third-edition-4-none-john-ford-kennth-nguyen-jasmine-baker",

"thumbnail\_image": "//redshelf-images.s3-external-1.amazonaws.com/thumbnail/default\_book\_cover.jpg",

"default\_thumbnail\_image": "//redshelf-images.s3-external-1.amazonaws.com/thumbnail/default\_book\_thumbnail.jpg",

"product\_type": "book",

"product\_id": "4",

"product\_url": "/app/ecom/book/4/introduction-to-teaching-third-edition-4-none-john-ford-kennth-nguyen-jasmine-baker",

"bisac\_codes": [],

"items\_count": **null**,

"identifiers": {

"ISBN13": "9940423770061",

"ISBN10": "8318115828"

}

},

"relationships": {

"lowest\_offering": {

"data": {

"type": "offerings",

"id": "00010000000040"

}

},

"product\_details": {

"data": {

"type": "BookProduct",

"id": "4"

}

}

}

}

],

"meta": {

"pagination": {

"page": 1,

"pages": 1,

"count": 4

}

}

}

Offline Download

Open Offline Download Sequence (1).png

**StaticInfoService - [platform domain]/api/static-info/mobile-releases**

* Returns information about app versions supported, and now about minimum mobile os versions
* Response json is editable in django admin under epubs/static info
* Current JSON (Dec 9, 2021):

{ "iOS": { "latest": 619, "latestMandatory": 619, "urls": [ "itms-apps://itunes.apple.com/app/apple-store/id1511013608?mt=8" ],

"minOSVersion": 12 }, "Android": { "latest": 652, "latestMandatory": 652, "urls": [ "http://play.google.com/store/apps/details?id=com.redshelf.redshelf" ],

"minOSVersion": 7 } }

**DeviceInfoService - [platform domain]/api/device-info/**

**POST Request**

*// Required Headers*

*// Authorization: Bearer <JWT TOKEN>*

*// Content-Type: application/vnd.api+json*

*// User-Agent: <user agent constructed for device via https://www.scientiamobile.com/correctly-form-user-agents-for-mobile-apps>*

{

"data":

{

"attributes":

{

"device\_uuid": "7021d8ad-1a4f-4d4a-9749-4cd9259820d6", *// Generated UUID for current app installation*

"description": **null**,

"nth\_of\_kind": **null**

},

"type": "DeviceInfo"

}

}

**POST Response**

*// Status code: 201*

*// JSON-API Response*

{

"data":

{

"type": "DeviceInfo",

"id": "3", *// Use this Device Info ID in /api/offline-session POST below*

"attributes":

{

"device\_uuid": "7021d8ad-1a4f-4d4a-9749-4cd9259820d6",

"description": "Chrome on Mac OS X",

"nth\_of\_kind": 3,

"date\_created": "2020-09-17T15:45:43.450016-05:00"

},

"relationships":

{

"user":

{

"data":

{

"type": "User",

"id": "1"

}

}

}

}

}

**OfflineSessionService - [platform domain]/api/offline-session/**

**POST Request**

*// Required Headers*

*// Authorization: Bearer <JWT TOKEN>*

*// Content-Type: application/vnd.api+json*

*// JSON-API Request Body*

{

"data": {

"type": "OfflineSession",

"attributes": {

"owned\_book\_id": <platform\_owned\_book\_id **from** user subscription>,

},

"relationships": {

"device\_info": {

"data": {

"type": "DeviceInfo",

"id": "<Device Info ID from /api/device-info/ POST response>"

}

}

}

}

}

**POST Response**

*// Status code: 201*

{

"data": {

"type": "OfflineSession",

"id": "66779",

"attributes": {

"play\_orders": [],

"offline\_urls": [], *// offline\_urls not generated*

"start\_play\_order": 0,

"end\_play\_order": 0,

"percentage\_taken": **null**,

"time\_limit": 10,

"start\_date": "2020-04-01T23:51:06.041832-05:00",

"end\_date": "2020-04-11T23:51:05.920000-05:00",

"active": true,

"cache\_manifest": **null**,

"offline\_resource\_count": 30,

"display\_text": "1"

},

"relationships": {

"owner": {

"data": {

"type": "User",

"id": "1371268"

}

},

"epub": {

"data": {

"type": "Epub",

"id": "1574437"

}

}

}

}

}

**GET Response - Offline URLs Generated**

{

"data": {

"type": "OfflineSession",

"id": "66779",

"attributes": {

"play\_orders": [],

"offline\_urls": [

{

"url": "/static/reader/rs-cpl-base.css",

"is\_subresource": false,

"expires": "2020-04-12T04:51:05.920000+00:00",

"is\_external": false,

"epub\_id": **null** *// Null epub\_id denotes a resource shared across all books*

},

{

"url": "https://cdnjs.cloudflare.com/ajax/libs/mathjax/2.7.4/MathJax.js?config=TeX-MML-AM\_CHTML",

"is\_subresource": false,

"expires": "2020-04-12T04:51:05.920000+00:00",

"is\_external": true, *// true denotes a resource outside redshelf servers - successful request is not necessary*

"epub\_id": **null**

},

{

"url": "OEBPS/images/page-1.jpg",

"is\_subresource": true, *// true denotes a url that needs to be resolved against <base> href*

"expires": "2020-04-12T04:51:05.920000+00:00",

"is\_external": false,

"epub\_id": 1574437

}

],

"start\_play\_order": 0,

"end\_play\_order": 0,

"percentage\_taken": **null**,

"time\_limit": 10,

"start\_date": "2020-04-01T23:51:06.041832-05:00",

"end\_date": "2020-04-11T23:51:05.920000-05:00",

"active": true,

"cache\_manifest": **null**,

"offline\_resource\_count": 3,

"display\_text": "1"

},

"relationships": {

"owner": {

"data": {

"type": "User",

"id": "1371268"

}

},

"epub": {

"data": {

"type": "Epub",

"id": "1574437"

}

}

}

}

}

Offline Download - Max Offline Sessions Exceeded

Open Untitled (11).png

**POST [platform domain]/api/offline-session/**

**Offline Session Limit Exceed Error Response**

{

"errors": [

{

"detail": "too\_many",

"source":

{

"pointer": "/data"

},

"status": "403"

}

]

}

**GET [platform domain]/api/offline-session/owned\_book\_id=<platform owned book id from user product subscription>&active=true**

**GET Response**

// Required Headers

// Authorization: Bearer <JWT TOKEN>

// Content-Type: application/vnd.api+json

{

"links":

{

"first": "http://localhost:8001/api/offline-session/?page=1",

"last": "http://localhost:8001/api/offline-session/?page=1",

"next": null,

"prev": null

},

"data": [

{

"type": "OfflineSession",

"id": "1",

"attributes":

{

"reader\_url": "/r/s/0/doc/1/?mobileApp",

"play\_orders": [4],

"offline\_urls": [],

"start\_play\_order": 0,

"end\_play\_order": 0,

"percentage\_taken": null,

"time\_limit": null,

"start\_date": "2020-11-10T15:26:38.718239-06:00",

"end\_date": null,

"active": true,

"cache\_manifest": null,

"offline\_resource\_count": 51,

"display\_text": "CHAPTER ONE"

},

"relationships":

{

"owner":

{

"data":

{

"type": "User",

"id": "1"

}

},

"epub":

{

"data":

{

"type": "Epub",

"id": "1"

}

},

"device\_info":

{

"data":

{

"type": "DeviceInfo",

"id": "1"

}

}

}

}],

"included": [

{

"type": "DeviceInfo",

"id": "1",

"attributes":

{

"device\_uuid": "10697412-0c71-4b46-8c85-1d70377caad5",

"description": "Chrome on Mac OS X",

"nth\_of\_kind": 1,

"date\_created": "2020-11-10T15:26:38.642807-06:00"

},

"relationships":

{

"user":

{

"data":

{

"type": "User",

"id": "1"

}

}

}

}],

"meta":

{

"pagination":

{

"page": 1,

"pages": 1,

"count": 1

}

}

}

**GET [platform domain]/api/device-info/<device info id from active offline session>**

// Required Headers

// Authorization: Bearer <JWT TOKEN>

// Content-Type: application/vnd.api+json

**GET Response**

{

"data":

{

"type": "DeviceInfo",

"id": "3",

"attributes":

{

"device\_uuid": "7021d8ad-1a4f-4d4a-9749-4cd9259820d6",

"description": "Chrome on Mac OS X", *// Use this field in message to user to communicate which devices they have an offline session on*

"nth\_of\_kind": 3,

"date\_created": "2020-09-17T15:45:43.450016-05:00"

},

"relationships":

{

"user":

{

"data":

{

"type": "User",

"id": "1"

}

}

}

}

}

Invalidate Offline Session on download delete

**PATCH [platform domain]/api/offline-session/[offline session id]**

**PATCH Request JSON Body**

*// Required Headers*

*// Authorization: Bearer <JWT TOKEN>*

*// Content-Type: application/vnd.api+json*

*// PATCH [platform domain]/api/offline-session/123*

{

data: {

type: 'OfflineSession',

id: 123, *// Offline Session ID*

attributes: {

active: false,

endDate: "2020-08-05T15:57:40.826Z" *// ISO 8601 Datetime Format*

}

}

}

**PATCH Response**

// Successful Response Status Code: 200

{

"data": {

"type": "OfflineSession",

"id": "123",

"attributes": {

"play\_orders": [],

"offline\_urls": [

{

"url": "/static/reader/rs-cpl-base.css",

"is\_subresource": false,

"expires": "2020-04-12T04:51:05.920000+00:00",

"is\_external": false,

"epub\_id": null // Null epub\_id denotes a resource shared across all books

},

...

],

"start\_play\_order": 0,

"end\_play\_order": 0,

"percentage\_taken": null,

"time\_limit": 10,

"start\_date": "2020-04-01T23:51:06.041832-05:00",

"end\_date": "2020-04-11T23:51:05.920000-05:00",

"active": false,

"cache\_manifest": null,

"offline\_resource\_count": 3,

"display\_text": "1"

},

"relationships": {

"owner": {

"data": {

"type": "User",

"id": "1371268"

}

},

"epub": {

"data": {

"type": "Epub",

"id": "1574437"

}

}

}

}

}

Invalidate Multiple Offline Sessions For Testing

Open Invalidate Offline Sessions.png

**GET [platform domain]/api/offline-session/**

* Currently this endpoint will only return the offline sessions for the current request user
  + Current request user is assigned via session id cookie, jwt, or api token
* Loop through results from response data as shown below and make PATCH request as designated in [API Work Flow | Invalidate Offline Session on download delete](https://virdocs.atlassian.net/wiki/spaces/ME/pages/1099300995/API+Work+Flow#Invalidate-Offline-Session-on-download-delete)

{

"links":

{

"first": "https://platform.virdocs.com/api/offline-session/?page=1",

"last": "https://platform.virdocs.com/api/offline-session/?page=1",

"next": null,

"prev": null

},

"data": [

{

"type": "OfflineSession",

"id": "99853",

"attributes":

{

"play\_orders": [...],

"offline\_urls": [...],

"start\_play\_order": 0,

"end\_play\_order": 0,

"percentage\_taken": null,

"time\_limit": null,

"start\_date": "2020-08-25T12:08:59.539316-05:00",

"end\_date": "2020-08-25T12:09:16.017000-05:00",

"active": false,

"cache\_manifest": null,

"offline\_resource\_count": 1342,

"display\_text": "Cover - EM2"

},

"relationships":

{

"owner":

{

"data":

{

"type": "User",

"id": "1705510"

}

},

"epub":

{

"data":

{

"type": "Epub",

"id": "569795"

}

},

"device\_info":

{

"data": null

}

}

},

{

"type": "OfflineSession",

"id": "99855",

"attributes":

{

"play\_orders": [...],

"offline\_urls": [...],

"start\_play\_order": 0,

"end\_play\_order": 0,

"percentage\_taken": null,

"time\_limit": null,

"start\_date": "2020-08-25T12:08:59.539316-05:00",

"end\_date": "2020-08-25T12:09:16.017000-05:00",

"active": false,

"cache\_manifest": null,

"offline\_resource\_count": 1342,

"display\_text": "Cover - EM2"

},

"relationships":

{

"owner":

{

"data":

{

"type": "User",

"id": "1705510"

}

},

"epub":

{

"data":

{

"type": "Epub",

"id": "569795"

}

},

"device\_info":

{

"data": null

}

}

}],

"meta":

{

"pagination":

{

"page": 1,

"pages": 1,

"count": 9

}

}

}

Entering Reader

Open Entering Reader.png

**GET [platform domain]/mobile-viewer/ownedbook/<platform owned book id>**

**GET Response**

// Status Code: 200

// Required Headers

// Authorization: Bearer <JWT TOKEN>

{

"epub\_id": "1574437",

"reader\_url": "/r/s/0/doc/3/?mobileApp",

"session\_id": "wq9l9moo2werzm6dezl4vjk13czkjyl9",

"csrf\_token": "kfl8JyhD5pF1IAV4SBfULsekZgzfQk0jAA5OYwId9P6NMzRlvuoIfy3yF4J2YJwr"

}

* reader\_url contains a query param:

?mobileApp

**required** by reader to differentiate between mobile and browser session.

**GET Response Error - Title not processed**

// Status Code: 400

{

"error\_message": "Title cannot be read. Title is not processed"

}

**Entering Reader - with Offline Session**

* Pass the created OfflineSession id as a query param attached to the reader\_url
* **offlineSessionId=1234**
* Example:

/r/s/0/doc/3/?mobileApp&offlineSessionId=1234

* This will let the reader-app know that there is an active offline session and when the reader-app detects that there is no network connectivity - via failed /api/vi/ping requests - it will go into “offline mode”, where certain features will be disabled.

Back to Shelf

Attach the back\_to\_label query param to specify the ‘Back to’ button contents and the back\_to\_shelf query param to hold the URL that returns the user to their bookshelf to the reader\_url returned from /mobile-viewer.

Example:

/r/s/0/doc/3/?mobileApp&back\_to\_label=Back%20to%20Shelf&back\_to\_url=https%3A%2F%2Fredshelf.com/library/

Misc.

**User Content Request and Response Examples**

GET List Highlights

https:*//platform.virdocs.com/api/v2/epubannotation/?limit=100&offset=0&owner=1705510&spine\_entry\_\_epub=424949*

{

"meta":

{

"limit": 100,

"next": **null**,

"offset": 0,

"previous": **null**,

"total\_count": 1

},

"objects": [

{

"cfi": "/4/4,/1:14,/1:151",

"color": "yellow",

"comment": **null**,

"container\_positioning\_rect": **null**,

"copied\_text": **null**,

"date\_created": "2020-06-08T17:58:52.811048",

"end\_index": **null**,

"epub\_page": "/api/v2/epubpage/26530983/",

"flashcard": **null**,

"id": 84069418,

"ncx\_entry": "/api/v2/ncxentry/30197513/",

"owner": "/api/v1/user/1705510/",

"pdfjs\_epub\_builder\_version": **null**,

"pdfminer\_cfi": **null**,

"positioning\_rect": **null**,

"print\_data": **null**,

"resource\_uri": "/api/v2/epubannotation/84069418/",

"snippet": "the bread and butter of JavaScript programming. The concept of wrapping a piece of program in a value has many uses. It gives us a way to",

"spine\_entry": "/api/v2/spineentry/22012853/",

"start\_index": **null**

}]

}

POST Request Highlight

https:*//platform.virdocs.com/api/v2/epubannotation/*

{

"cfi": "/4/8,/1:19,/1:36",

"pdfminer\_cfi": **null**,

"positioning\_rect": **null**,

"container\_positioning\_rect": **null**,

"pdfjs\_epub\_builder\_version": **null**,

"print\_data": **null**,

"snippet": "sh speakers have ",

"comment": **null**,

"color": "yellow",

"date\_created": **null**,

"unpersisted": false,

"start\_index": **null**,

"end\_index": **null**,

"spine\_entry": "/api/v2/spineentry/22012853/",

"ncx\_entry": "/api/v2/ncxentry/30197513/",

"epub\_page": "/api/v2/epubpage/26530983/"

}

POST Response Highlight

https:*//platform.virdocs.com/api/v2/epubannotation/*

{

"cfi": "/4/8,/1:19,/1:36",

"color": "yellow",

"comment": **null**,

"container\_positioning\_rect": **null**,

"copied\_text": **null**,

"date\_created": "2020-06-08T17:59:12.373550",

"end\_index": **null**,

"epub\_page": "/api/v2/epubpage/26530983/",

"flashcard": **null**,

"id": 84069479,

"ncx\_entry": "/api/v2/ncxentry/30197513/",

"owner": "/api/v1/user/1705510/",

"pdfjs\_epub\_builder\_version": **null**,

"pdfminer\_cfi": **null**,

"positioning\_rect": **null**,

"print\_data": **null**,

"resource\_uri": "/api/v2/epubannotation/84069479/",

"snippet": "sh speakers have ",

"spine\_entry": "/api/v2/spineentry/22012853/",

"start\_index": **null**,

"unpersisted": false

}

POST Request FlashcardDeck

https:*//platform.virdocs.com/api/v2/flashcarddeck/*

{

"title": "Default",

"description": **null**,

"date\_created": **null**,

"last\_viewed": **null**,

"last\_modified": **null**,

"confidence\_level": **null**,

"flashcards": [],

"epub": "/api/v2/epub/424949/"

}

POST Response FlashcardDeck

https:*//platform.virdocs.com/api/v2/flashcarddeck/*

{

"book": **null**,

"confidence\_level": **null**,

"converted\_to\_epub\_model": **null**,

"date\_created": "2020-06-08T18:10:06.918725",

"description": **null**,

"epub": "/api/v2/epub/424949/",

"flashcards": [],

"id": 245984,

"last\_modified": "2020-06-08T18:10:06.918765",

"last\_viewed": **null**,

"owner": "/api/v1/user/1705510/",

"resource\_uri": "/api/v2/flashcarddeck/245984/",

"title": "Default"

}

POST Request Flashcard

https:*//platform.virdocs.com/api/v2/flashcard/*

{

"term": "the bread and butter of JavaScript programming. The concept of wrapping a piece of program in a value has many uses. It gives us a way to",

"description": "asdfsad",

"is\_important": false,

"date\_created": **null**,

"last\_viewed": **null**,

"last\_modified": **null**,

"confidence\_level": 1,

"color": "yellow",

"cfi": "/4/4,/1:14,/1:151",

"flashcard\_deck": "/api/v2/flashcarddeck/245984/",

"ncx\_entry": "/api/v2/ncxentry/30197513/",

"spine\_entry": "/api/v2/spineentry/22012853/",

"annotation": "/api/v2/epubannotation/84069418/",

"epub\_page": "/api/v2/epubpage/26530983/"

}

POST Response Flashcard

https:*//platform.virdocs.com/api/v2/flashcard/*

{

"annotation": "/api/v2/epubannotation/84069418/",

"cfi": "/4/4,/1:14,/1:151",

"color": "yellow",

"confidence\_level": 1,

"converted\_to\_epub\_model": **null**,

"date\_created": "2020-06-08T18:10:07.082540",

"description": "asdfsad",

"epub\_page": "/api/v2/epubpage/26530983/",

"flashcard\_deck": "/api/v2/flashcarddeck/245984/",

"highlight": **null**,

"id": 3883194,

"is\_important": false,

"last\_modified": "2020-06-08T18:10:07.082575",

"last\_viewed": **null**,

"location\_index": **null**,

"ncx\_entry": "/api/v2/ncxentry/30197513/",

"owner": "/api/v1/user/1705510/",

"page": **null**,

"page\_number": **null**,

"resource\_uri": "/api/v2/flashcard/3883194/",

"spine\_entry": "/api/v2/spineentry/22012853/",

"term": "the bread and butter of JavaScript programming. The concept of wrapping a piece of program in a value has many uses. It gives us a way to",

"tocentry": **null**

}

GET List FlashcardDeck

https:*//platform.virdocs.com/api/v2/flashcarddeck/?epub=424949&limit=50&offset=0*

{

"meta":

{

"limit": 50,

"next": **null**,

"offset": 0,

"previous": **null**,

"total\_count": 1

},

"objects": [

{

"book": **null**,

"confidence\_level": **null**,

"converted\_to\_epub\_model": **null**,

"date\_created": "2020-06-08T18:10:06.918725",

"description": **null**,

"epub": "/api/v2/epub/424949/",

"id": 245984,

"last\_modified": "2020-06-08T18:10:06.918765",

"last\_viewed": **null**,

"owner": "/api/v1/user/1705510/",

"resource\_uri": "/api/v2/flashcarddeck/245984/",

"title": "Default"

}]

}

GET List Flashcard

https:*//platform.virdocs.com/api/v2/flashcard/?flashcard\_deck\_\_epub=424949&limit=50&offset=0*

{

"meta":

{

"limit": 50,

"next": **null**,

"offset": 0,

"previous": **null**,

"total\_count": 1

},

"objects": [

{

"annotation": "/api/v2/epubannotation/84069418/",

"cfi": "/4/4,/1:14,/1:151",

"color": "yellow",

"confidence\_level": 1,

"converted\_to\_epub\_model": **null**,

"date\_created": "2020-06-08T18:10:07.082540",

"description": "asdfsad",

"flashcard\_deck": "/api/v2/flashcarddeck/245984/",

"highlight": **null**,

"id": 3883194,

"is\_important": false,

"last\_modified": "2020-06-08T18:10:07.082575",

"last\_viewed": **null**,

"location\_index": **null**,

"ncx\_entry": "/api/v2/ncxentry/30197513/",

"owner": "/api/v1/user/1705510/",

"page": **null**,

"page\_number": **null**,

"resource\_uri": "/api/v2/flashcard/3883194/",

"spine\_entry": "/api/v2/spineentry/22012853/",

"term": "the bread and butter of JavaScript programming. The concept of wrapping a piece of program in a value has many uses. It gives us a way to",

"tocentry": **null**

}]

}

POST Request Bookmark

https:*//platform.virdocs.com/api/v2/epubbookmark/*

{

"cfi": "/4/16,/9:173,/9:173",

"snippet": "A function is created with an expression that",

"owner": **null**,

"unpersisted": false,

"pdfminer\_cfi": **null**,

"positioning\_rect": **null**,

"container\_positioning\_rect": **null**,

"pdfjs\_epub\_builder\_version": **null**,

"spine\_entry": "/api/v2/spineentry/22012853/",

"ncx\_entry": "/api/v2/ncxentry/30197513/",

"epub\_page": "/api/v2/epubpage/26530984/"

}

POST Response Bookmark

https:*//platform.virdocs.com/api/v2/epubbookmark/*

{

"cfi": "/4/16,/9:173,/9:173",

"container\_positioning\_rect": **null**,

"date\_created": "2020-06-08T18:15:21.946750",

"epub\_page": "/api/v2/epubpage/26530984/",

"id": 2396316,

"label": **null**,

"location\_percent": **null**,

"ncx\_entry": "/api/v2/ncxentry/30197513/",

"owner": "/api/v1/user/1705510/",

"pdfjs\_epub\_builder\_version": **null**,

"pdfminer\_cfi": **null**,

"positioning\_rect": **null**,

"resource\_uri": "/api/v2/epubbookmark/2396316/",

"snippet": "A function is created with an expression that",

"spine\_entry": "/api/v2/spineentry/22012853/",

"unpersisted": false

}

GET List Bookmark

https:*//platform.virdocs.com/api/v2/epubbookmark/?limit=50&offset=0&spine\_entry\_\_epub=424949*

{

"meta":

{

"limit": 50,

"next": **null**,

"offset": 0,

"previous": **null**,

"total\_count": 1

},

"objects": [

{

"cfi": "/4/16,/9:173,/9:173",

"container\_positioning\_rect": **null**,

"date\_created": "2020-06-08T18:15:21.946750",

"epub\_page": "/api/v2/epubpage/26530984/",

"id": 2396316,

"label": **null**,

"location\_percent": **null**,

"ncx\_entry": "/api/v2/ncxentry/30197513/",

"owner": "/api/v1/user/1705510/",

"pdfjs\_epub\_builder\_version": **null**,

"pdfminer\_cfi": **null**,

"positioning\_rect": **null**,

"resource\_uri": "/api/v2/epubbookmark/2396316/",

"snippet": "A function is created with an expression that",

"spine\_entry": "/api/v2/spineentry/22012853/"

}]

}

Change language

**POST [platform domain]/services/account/user/me/change-language**

{

"language": "en" // also possible fr-CA

}