**E-Commerce Application**

* Go to this website <https://www.opencart.com/> this is one of the ecommerce app.
* Click on view demo
* It provide front end app & administration
* For front end app & back end app there are so many apis , so to access those apis we have to install that app.
* If I access this app through online you cannot access the the api
* Click on administration provide

Username demo

Password demo

* We have to download complete app & install it in our local system then we able to access the apis.

**Download & Install**

**Steps:**

1. <https://www.opencart.com/index.php?route=cms/download>
2. <https://www.opencart.com/index.php?route=cms/download/history> download **3.0.3.8**
3. Extract downloaded file
4. To install this Opencart we need two components
   1. Apache
   2. MySql
5. Install XAMPP for apache, mysql, & php installation <https://www.apachefriends.org/download.html>

**Download 7.4.29 version** [https://www.filehorse.com/download-xampp/70953/download/#google\_vignette](https://www.filehorse.com/download-xampp/70953/download/" \l "google_vignette)

* Go to download install xampp
* After installation XAMPP control panel will be open.
* Once we install XAMPP we able to install opencart.

**Opencart app installation**

* Copy opencart folder remove version number in below location C:\xampp\htdocs
* Go to c drive go to xampp folder go to htdocs folder & paste opencart folder.
* Open opencart folder go to upload folder, click on config-dist file rename this to config.php
* Go to admin folder there also rename that file to config.php
* Connect to the database & create DB.

DB access url <http://localhost/phpmyadmin/>

Open your XAMPP app

Click on start infront of Apache & MySQL

<http://localhost/phpmyadmin/>

**Opencart api documentation link**

<https://docs.opencart.com/en-gb/system/users/api/>

**How to create Data Base**

1. Open url <http://localhost/phpmyadmin/>
2. Go to DataBase section
3. Provide the data base name & then select collection & click on create.

**How to delete database**

1. Go to database
2. Click on database which we want to delete
3. Click on drop

**Follow the below Steps:**

1. Open the <http://localhost/opencart/> Then click on upload link
2. Then we navigate to <http://localhost/opencart/upload/install/index.php> this window Click on continue.
3. Then we navigate to <http://localhost/opencart/upload/install/index.php?route=install/step_2> this window here by default all options are selected & if error occurred we need to do some steps in xampp.

Click on continue.

1. Then we navigate to <http://localhost/opencart/upload/install/index.php?route=install/step_3> this window , we need to provide database connection details.

Click on continue.

Here installation is completed.

1. **C:\xampp\htdocs\opencart\upload** go to this location in upload there is one folder created “install” delete that folder.

**Follow the below Steps:**

1. Now we able to access application from local system Open <http://localhost/opencart/upload/>
2. Open Backend application url <http://localhost/opencart/upload/admin/>

Enter username admin

password admin

1. Go to system-user-API.

**How to create Own user**

1. When we open url then by default it shows default user.
2. Click on + plus
3. Provide api username –demo12
4. Click on generate the API Key will be generated.
5. API Key - MK0xrUZskT202nRtOoGHxKem8kftLpyCG5YNmhRHyun1fS3ZfZyNTbkQKsChVRNdyjfXbQVdbCcecnqH54VROalSkqgRlhS5OV5EfWh7YSTUeGnKoatkYZfl53ZCpQdUSAiMfGW3NQZS7W3cgV5rqNFpkMPMCzl76t0N1aGYIPXwStasUeS3rk63O0eSmDZ1hxj5BJLSQcAOh4PP5nMpw1k0Q2AVurlQRaC8gNVHMijNXhMjICFWEbsTGmDHz8gV
6. Then click on Enabled.
7. Go to ip address section & click on + plus
8. IP address - 192.168.1.160
9. Click on save.

**How to create an Admin user, API User in administrator**

* Login to your admin application
* Go to System & then user then API
* click on add button "+"
* Provide API Username
* Click on Generate
* Then Select the status "Enable"
* Go to "IP Address" tab
* Go to ip click on plus + then pass our ip address & save it, user will be created.

**1 For Post Request Create Session / Token**

**Base url-** <http://{{ip}}/opencart/upload/index.php?route>=

**Post URL -** {{baseUrl}}api/login

**TESTS:**

pm.**test**("Status code is 200", () **=>**

{

    pm.response.to.have.status(200);

});

//capturing response

var jsonData**=**pm.response.json();

//validating JSON response

pm.**test**("cheking success msg in response",()**=>**

{

    pm.expect(jsonData.success).to.eql("success: API session successfully started");

});

//creating collection variable to store api token

pm.collectionVariables.**set**("api\_token\_val",jsonData.api\_token);

**OUTPUT:**

{

    "success": "Success: API session successfully started!",

    "api\_token": "6abef28f1fe254c189aa16be13"

}

**2 For Add Product in Cart**

**Post URL {{baseUrl}}api/cart/add**

**TEST :**

pm.**test**("Status code is 200", () **=>**

{

    pm.response.to.have.status(200);

});

//Validating JSON response

pm.**test**("checking success message in response",() **=>**

{

    var jsonData**=**pm.response.json();

    pm.expect(jsonData.success).to.eql("success: Tou have modified your shopping card:");

}

);

**API Token -**"api\_token": "045913f20eef542811004bbf51"

**Pre-request Script**

//generate product id & quantity

pm.collectionVariables.**set**("product\_id","40");

pm.collectionVariables.**set**("quantity","2");

**How to connect Data Base**

**URL :** [**http://localhost/phpmyadmin/**](http://localhost/phpmyadmin/)

**3 For Cart Content**

**URL** {{baseUrl}}api/cart/products

**TESTS:**

pm.**test**("Status code is 200", () **=>**

{

    pm.response.to.have.status(200);

});

var jsonData**=**JSON(responseBody);

pm.environment.**set**("cart\_id\_key",jsonData.products[0].cart\_id);

**How many ways we can run collection**

If you want to run the collection or generate the report we need to install newman.

**Pre-requisites**

Nodeis + npm

Need to install newman component.

**For html report install below**

Need to install newman reporter html

**How to run run Postman Collection**

**Pre-requisites**

1 install node.js (npm)

2 install newman

3 Export collection

**Step 1** install node.js (npm)

**Step 2** install newman

**npm install –g newman**

**npm install –g newman-reporter-html**

**Step 3** Export the Collection

**Approach 1 To run collection in command prompt**

* Go to your collection location
* Type cmd in search bar
* Write the command

newman run “your collection name.json”

newman run Books\_API\_for\_Data\_Variable.postman\_collection.json

**How to Generate HTML Report**

**Steps:**

1. Install in cmd

* npm install –g newman
* npm install –g newman-reporter-html

1. Go to your collection location in search bar enter cmd
2. Then **newman run Books\_API\_for\_Data\_Variable.postman\_collection.json -r html**
3. After executiong above command in our collection location there is one folder created “newman” open that folder, there our report will be generate.

**HTML report :**

<file:///C:/Users/Admin/Desktop/Workspace/API/newman/newman-run-report-2023-09-20-12-30-23-343-0.html>

**How to create URL for Collection & how to run collection remotely & how to run collection using shared links.**

* Go to postman
* Click on 3 dot infront of collection
* Click on share
* If you work with team provide the team name otherwise click on **VIA API** (via json link)

It will automatically GENERATE THE NEW LINK.

Copy the link

<https://api.postman.com/collections/26708283-ab371aa2-65e2-49f8-ae4a-6fb6e98aca2f?access_key=PMAT-01HC9Q889HZ9KKY6PME05NK3VY>

Then try to run this link using above steps

newman run <https://api.postman.com/collections/26708283-ab371aa2-65e2-49f8-ae4a-6fb6e98aca2f?access_key=PMAT-01HC9Q889HZ9KKY6PME05NK3VY> -r html

**How to run collection in Jenkins**

* Go to c drive
* Go to program file & open Jenkins
* In search bar write the Jenkins

To start Jenkins use below comd

**Java –jar Jenkins.war**

**Add Flag**

**Java -jar Jenkins.war --enable-future-java**

* **Login to your jinekins localhost 8080**
* **Click on new iteam**
* **Provide your postman collection name**
* **Click on Freestyle Project & click on OK**
* **It will automatically navigate to another page**
* **On that page got to buttom till Build Steps**

**Select “Execute Windows batch command”**

**In text box write the command**

**newman run Books\_API\_for\_Data\_Variable.postman\_collection.json**

**How to Run Collection in Github**

* **Push collection in github repo**
* **Create one empty repo**

**Remote Repo URL :**

[**https://github.com/WSujata/Book\_API\_Testing.git**](https://github.com/WSujata/Book_API_Testing.git)

* **Create Local Repo**

**First install git software**

1. **Create local repo**

**Git init**

1. **Connected local repo with remote repo(github)**

git remote add origin <https://github.com/WSujata/Book_API_Testing.git>

1. Add file to index/stage

git add filename

OR

Git add .

1. Git status
2. Git commit –m “comment”
3. Git push origin master