

Name:Pavan Sainath Atukuri

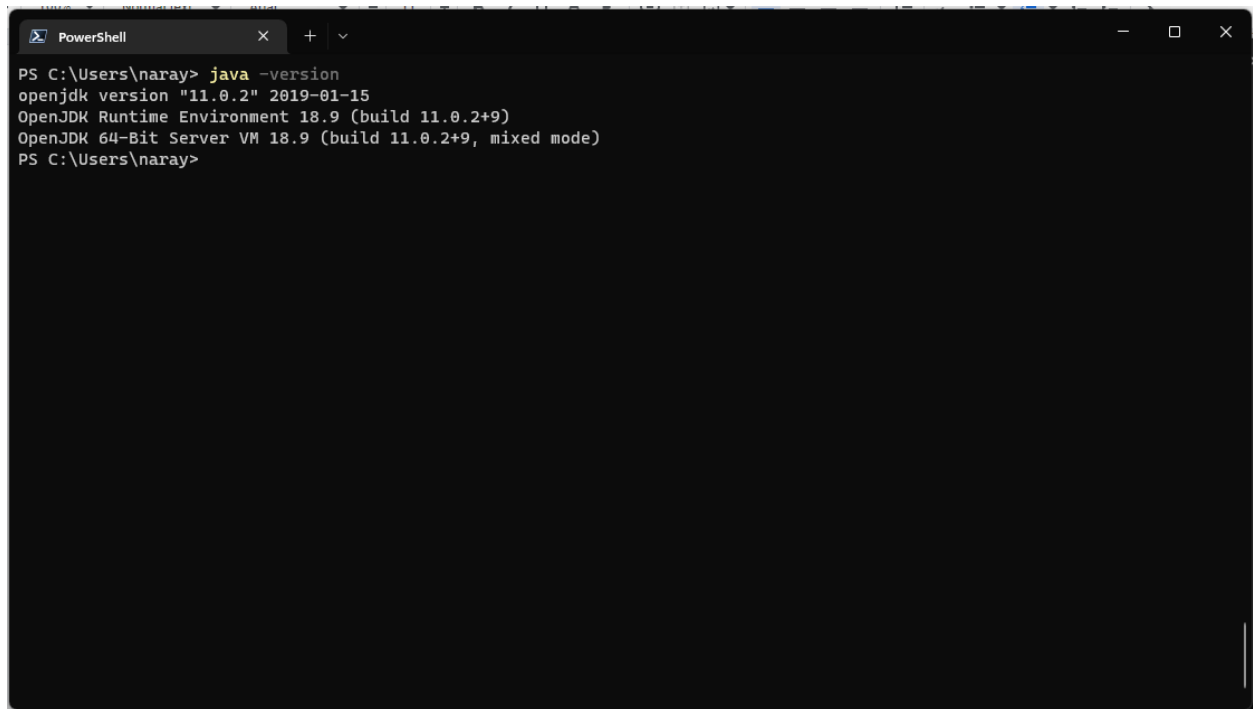
U ID: 119397428

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The project runs on spring boot. In this document, we'll see how to install the dependencies of the project one by one and we need Java to run the project.

- **Java installation**

Make sure java is installed on your machine. Java 11 is preferred. The project will also work on java 8. To check the type "java -version". It should output something like below.

A screenshot of a Windows PowerShell terminal window. The title bar shows 'PowerShell' with standard window controls. The command prompt is at 'PS C:\Users\naray>'. The user has entered 'java -version'. The output is: 'openjdk version "11.0.2" 2019-01-15', 'OpenJDK Runtime Environment 18.9 (build 11.0.2+9)', and 'OpenJDK 64-Bit Server VM 18.9 (build 11.0.2+9, mixed mode)'. The prompt returns to 'PS C:\Users\naray>'.

```
PS C:\Users\naray> java -version
openjdk version "11.0.2" 2019-01-15
OpenJDK Runtime Environment 18.9 (build 11.0.2+9)
OpenJDK 64-Bit Server VM 18.9 (build 11.0.2+9, mixed mode)
PS C:\Users\naray>
```

If java is not installed. Follow the below steps

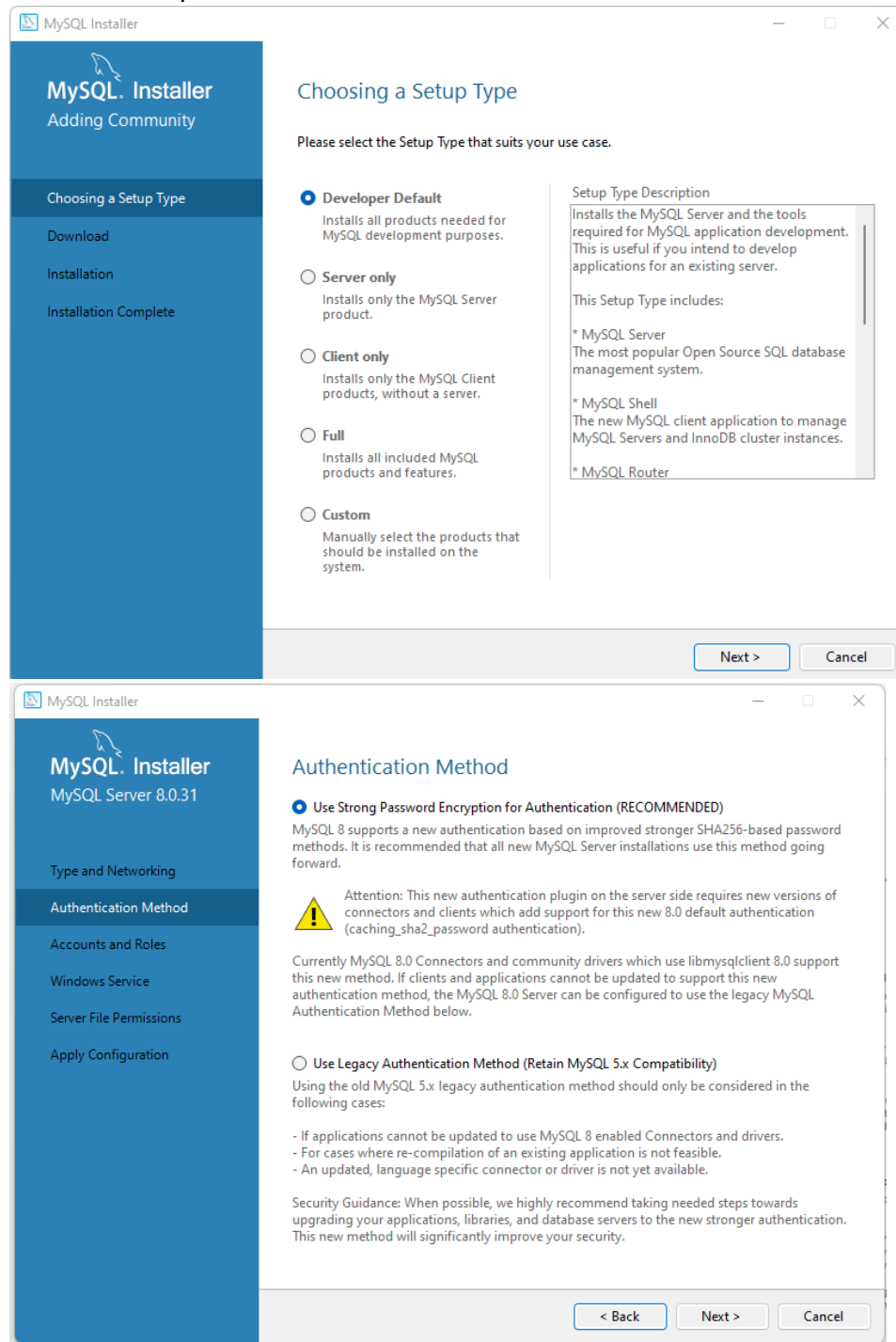
1. Download jdk.zip file using this [link](#)
2. Extract the zip anywhere in your system
3. Set JAVA\_HOME and PATH variable using this [link](#)

- **MySQL installation**

1. Install mysql 8 version and mysql workbench to access the appication
  - a. <https://dev.mysql.com/downloads/installer/>

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b. Give default options in installation wizard



2.

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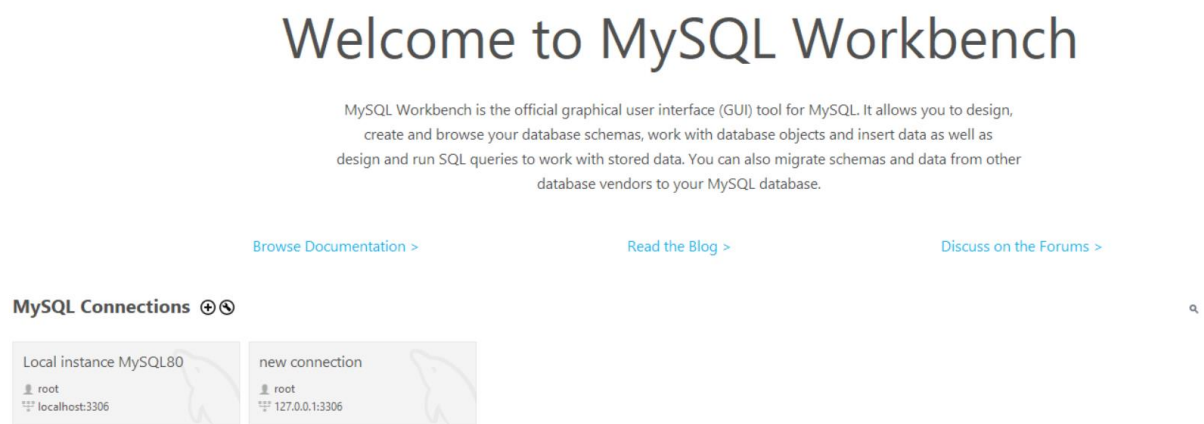
## • MySQL Workbench configuration

1. After installation, open the MySQL workbench and follow the prompts and please give user name as root and password and please make a note of these credentials as we need to use the credential later. Please give below credentials as username and password

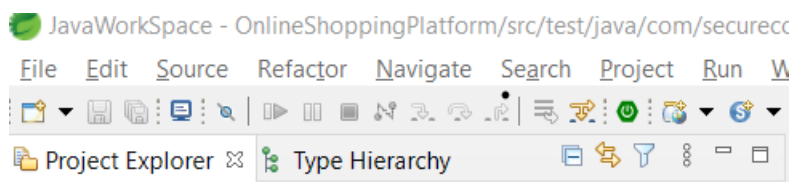
Username:root

Password:Maryland@77@

2. Open the Mysql and it looks like the below image



3. Now click on the instance and login and create Schema and give name as “`secure_online_shoppingplatform`”
4. Install Spring Tool Suite(STS) using the below link <https://spring.io/tools>  
please follow the prompts and install STS IDE.
5. Now open the STS and follow the below steps to upload the Java project from the file systems to the STS IDE.
6. Click on File->Open Projects from file system.



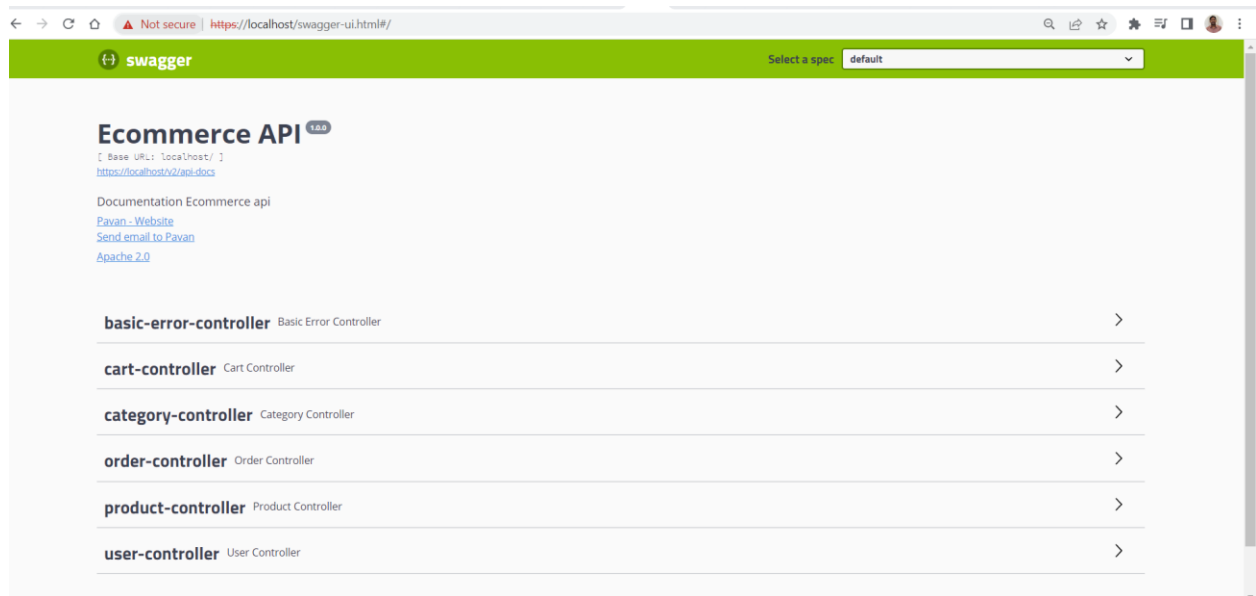
- 7.

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7. Now the Right click on the project and Click on Maven->Update Project->and checkbox Force Update snapshots
8. Now Right Click on the project, Maven-> Install
9. Now again right click on the project, Run as “Spring boot application”
10. No open Google chrome and click on the below link

<https://localhost/swagger-ui.html#/>

11. You should be able to see a screen like below.



## Using the REST End Points of the application using Swagger

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- Click on the User Controller and then click on the tryout and give the credentials and click on execute.

POST /user/signin signin

Parameters Cancel

Name	Description
<b>signInDto</b> <small>required</small> (body)	signInDto  Example Value   Model <pre>{   "email": "opare@mailinator.com",   "password": "habdffburb" }</pre>

Cancel

This will return the response body of the Sign API and please be sure once you are signed in you will get a token as below and this will be necessary for all the subsequent requests and API calls.

Please Note: For all the subsequent calls we need to add token in the header or in the request body to get the required API response.

Swagger will prompt you to enter the token wherever required either as a Request header or the Request param

Token will appear as in the below screenshot

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The screenshot shows a REST client interface with the following details:

- Execute** button at the top.
- Responses** tab selected, with **Response content type** set to `*/*`.
- Curl** section: 

```
curl -X POST "https://localhost/user/signin" -H "accept: */*" -H "Content-Type: application/json" -d '{"email": "opare@mailinator.com", "password": "habdfburb"}'
```
- Request URL**: `https://localhost/user/signin`
- Server response** section:
  - Code**: 200
  - Details** tab selected.
    - Response body**: 

```
{  "status": "sucess",  "token": "5c87bd99-f9fa-436e-b3d1-36c15ecba1c6"}
```

 (Note: typo 'sucess' in original)
    - Response headers**:

```
connection: keep-alivecontent-type: application/jsondate: Mon, 14 Nov 2022 04:28:06 GMTkeep-alive: timeout=60transfer-encoding: chunked
```
- Responses** table at the bottom with columns **Code** and **Description**. It shows a single entry with **Code** 200.

This token is act as a Authorization token of the user and will be expired after 60 mins and after that we cannot make any API call. We need to login again to get the new token to and perform any action.

### Signup:

Once we enter the all the required credentials as in below screenshot,user is signup done and he will get a remail to confirm his account in 15 mins or else his account will not be enabled to login or perform any other action.

The screenshot shows a REST client interface with the following details:

- Responses** tab selected, with **Response content type** set to `*/*`.
- Curl** section: 

```
curl -X POST "https://localhost/user/signup" -H "accept: */*" -H "Content-Type: application/json" -d '{"email": "pavan430@mailinator.com", "firstName": "Pavan dsjkn", "lastName": "sdfbds", "password": "dkjfsnkjdn", "role": "USER"}'
```
- Request URL**: `https://localhost/user/signup`
- Server response** section:
  - Code**: 200
  - Details** tab selected.
    - Response body**: 

```
{  "status": "Success",  "message": "UserSuccessfully SignedUp"}
```
    - Response headers**:

```
connection: keep-alivecontent-type: application/jsondate: Mon, 14 Nov 2022 04:31:59 GMTkeep-alive: timeout=60transfer-encoding: chunked
```
- Responses** table at the bottom with columns **Code** and **Description**. It shows a single entry with **Code** 200 and **Description** `OK`.

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We cannot register as a ADMIN as only one admin can be allowed to the system from backend.

```
insert into users (email,first_name,is_confirmed,last_name,password,role) values
("admin@secureplatform.com",
"admin",1, "admin","admin123","ADMIN")
```

So, there is no more admin allowed to register in to the register.

Admin only has certain privileges and he can perform certain actions as mentioned in the system design document.

Accordingly Sellers are allowed to certain API end points using their authorities.

Below are the few endpoints where users can be accessed according to their roles and authorities

/user/signin->All users

/user/signup/-?All users

user/logout->all users

user/viewvenue-> only Admin

/user/viewAccount-> All users

/order/add-All users.