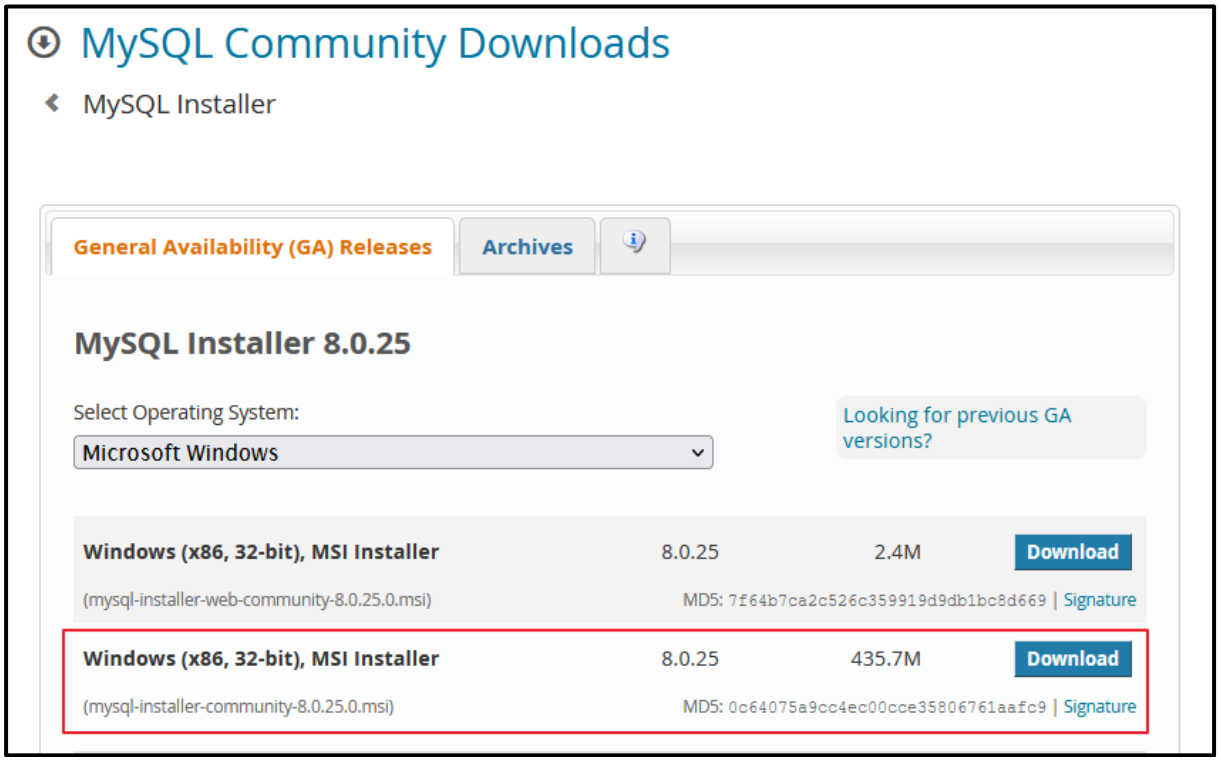
E-Commerce WebApp Project

How to run this project?

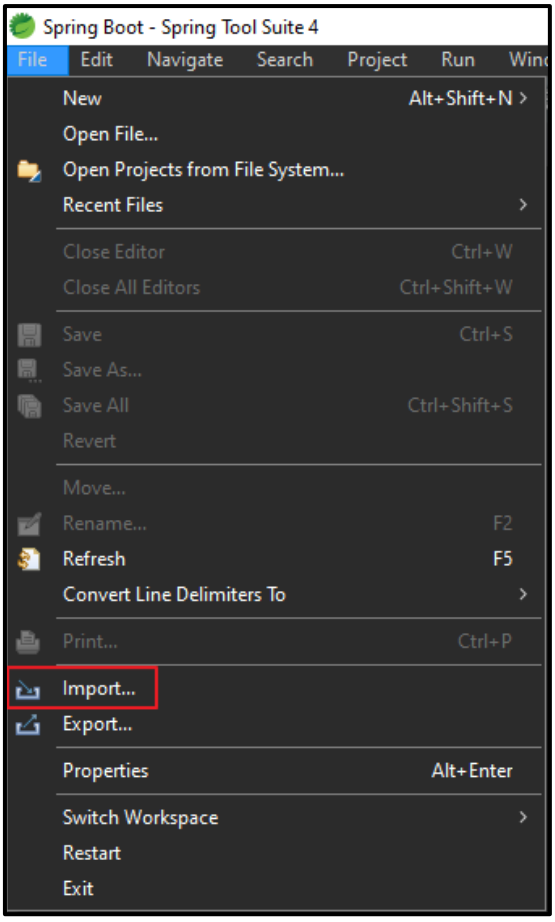
1. Download and install STS – Spring Tool Suite : https://spring.io/tools

2. Download and install MySQL : https://dev.mysql.com/downloads/windows/installer/8.0.html



3. Clone this github repository to your local device.

4. Open String Tool Suite -> Click on File -> Import -> Maven -> Existing Maven Projects -> Browse -> Finish


Spring Boot - Spring Tool Suite 4
File
Edit
Navigate
Search
Project
Run
New
Alt+Shift+N
Open File...
Open Projects from File System...
Recent Files
Close Editor
Ctrl+W
Close All Editors
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Revert
Move...
Rename...
F2
Refresh
F5
Convert Line Delimiters To
Print...
Ctrl+P
Import...
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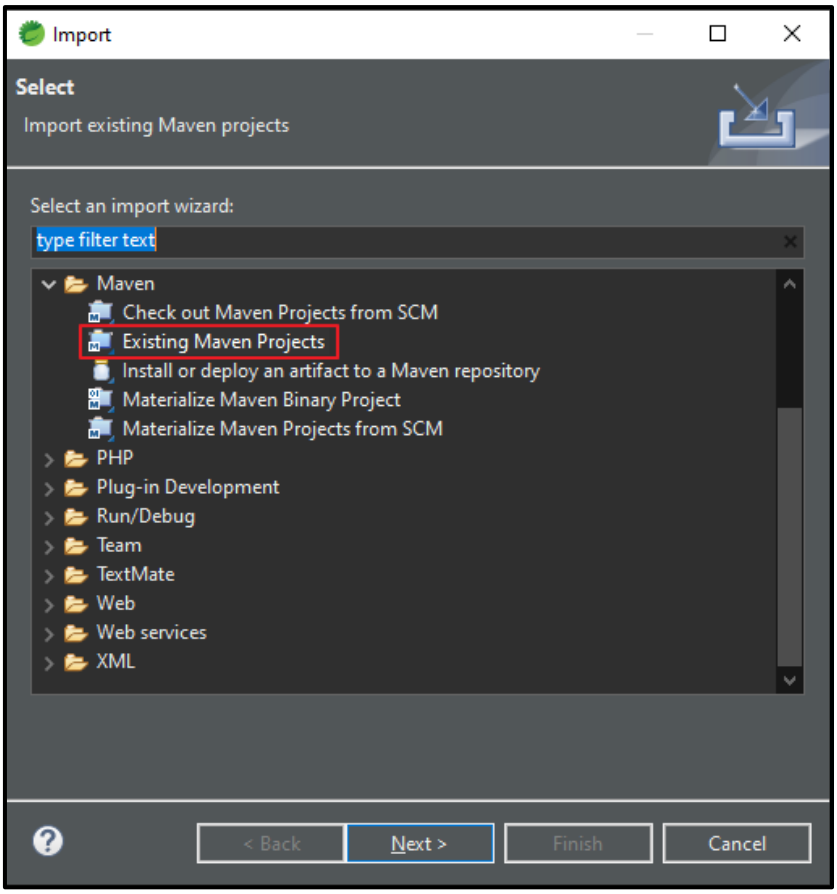
Properties
Alt+Enter
Switch Workspace
Restart
Exit


Import
Select
Import existing Maven projects
Select an import wizard:
type filter text
Maven
Check out Maven Projects from SCM
Existing Maven Projects
Install or deploy an artifact to a Maven repository
Materialize Maven Binary Project
Materialize Maven Projects from SCM
PHP
Plug-in Development
Run/Debug
Team
TextMate
Web
Web services
XML
< Back
Next >
Finish
Cancel

5. Now open MySQL Workbench (search in windows search bar) and perform the basic installation.

6. Now click on “Local instance MySQL80” under “MySQL Connections”.

7. Under the SCHEMAS navigator, right click and select “Create Schema”. Now create a new schema (database) with the name – “ecommerce”.

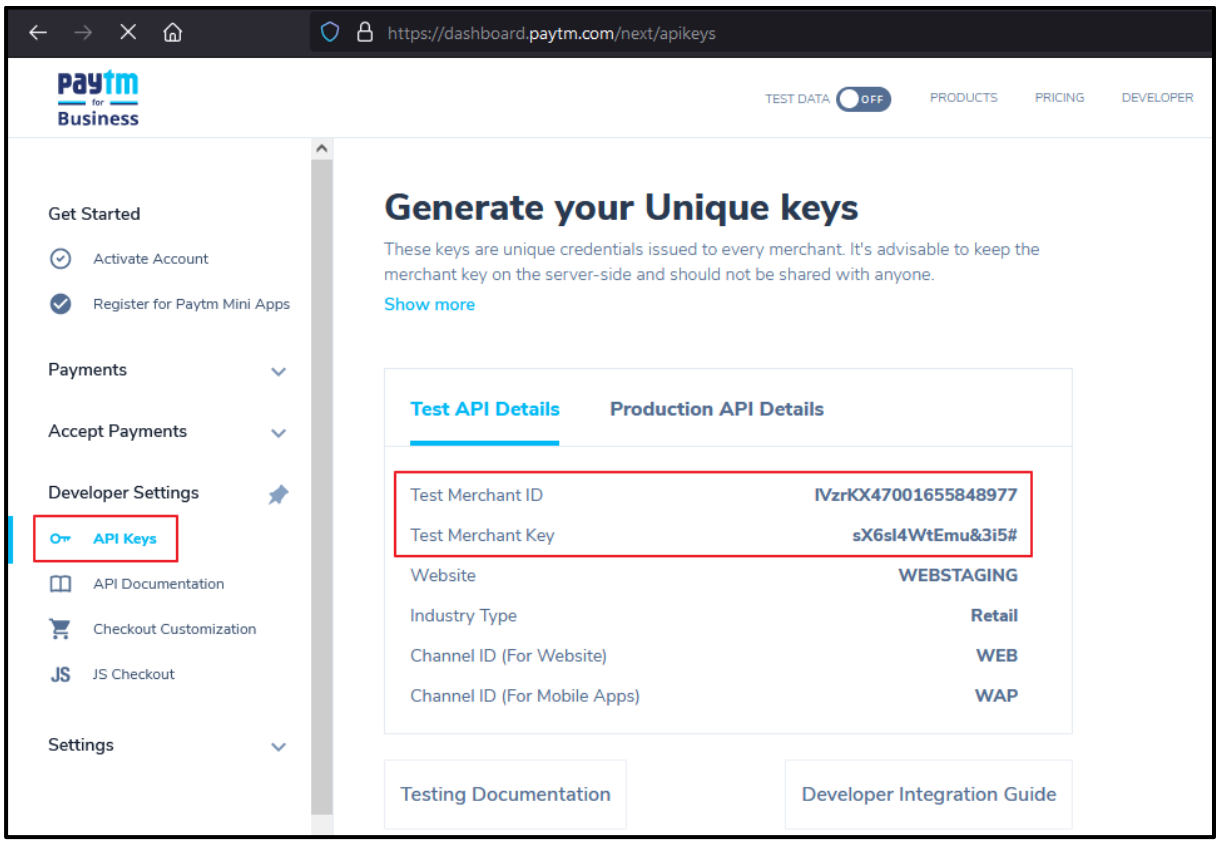
Now before we run this project, you have to make some changes for the Paytm payment gateway.

(This is optional. Do this step only if you want to place orders through Paytm. Otherwise, if you just want to run the webapp, then you can skip to step no. 13)

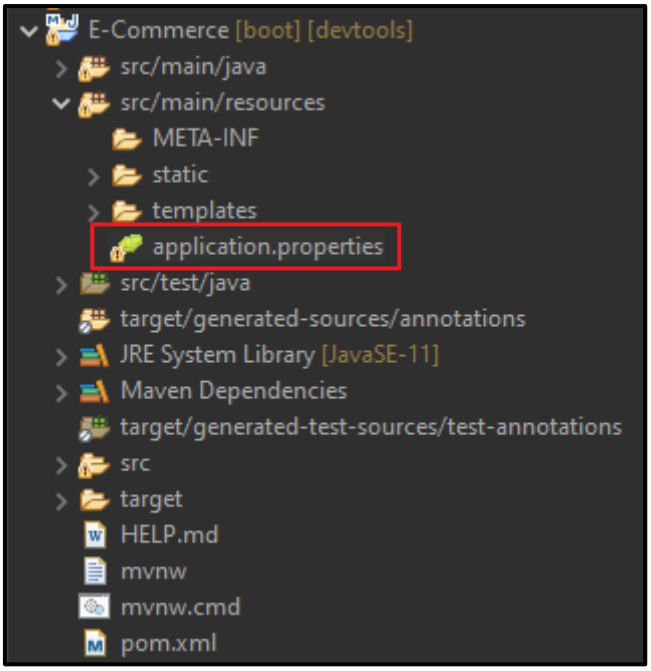
8. Go to https://dashboard.paytm.com and login into your Paytm account.

9. Now in the left nav bar under “Developer Settings” click on “API Keys” and then click on “Generate Test API Keys” if not already generated.

10. Copy your own “Test Merchant ID” and “Test Merchant Key” to your clipboard.



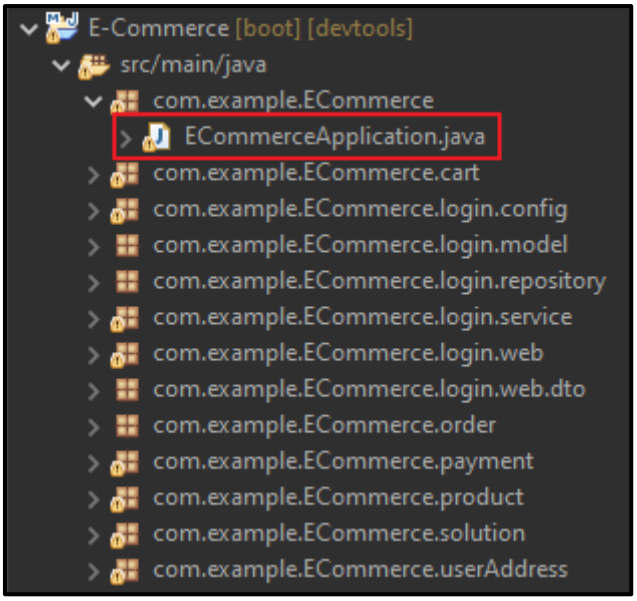
11. Now in your Spring Tool Suite, under your project, you’ll find an “application.properties” file in the “src/main/resources” folder. Open this file.



12. Here you'll find the following snippet and in here you have to enter values in the four fields marked red and then Save this file.

```
################ Paytm Properties ##########################
paytm.payment.sandbox.merchantId: Enter your Merchant Id here
paytm.payment.sandbox.merchantKey: Enter your Merchant Key here
paytm.payment.sandbox.channelId:WEB
paytm.payment.sandbox.industryTypeId:Retail
paytm.payment.sandbox.website:WEBSTAGING
paytm.payment.sandbox.paytmUrl:https://securegw-stage.paytm.in/order/process
paytm.payment.sandbox.callbackUrl:http://localhost:8080/pgresponse
paytm.payment.sandbox.details.MID: ${paytm.payment.sandbox.merchantId}
paytm.payment.sandbox.details.CHANNEL_ID: ${paytm.payment.sandbox.channelId}
paytm.payment.sandbox.details.INDUSTRY_TYPE_ID: ${paytm.payment.sandbox.industryTypeId}
paytm.payment.sandbox.details.WEBSITE: ${paytm.payment.sandbox.website}
paytm.payment.sandbox.details.CALLBACK_URL: ${paytm.payment.sandbox.callbackUrl}
paytm.mobile = Enter your registered phone number as per your Paytm account
paytm.email = Enter your registered email id as per your Paytm account
```

13. Now open and run the file named as "ECommerceApplication.java" in the "com.example.ECommerce" package under your "src/main/java" folder.

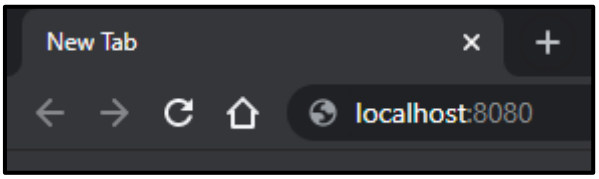


14. In your console output screen, you'll see a lot of content with the following snippet at the end :

```
Tomcat started on port(s): 8080 (http) with context path ''
Started ECommerceApplication in 17.535 seconds (JVM running for 19.228)
Application availability state LivenessState changed to CORRECT
Application availability state ReadinessState changed to ACCEPTING_TRAFFIC
```

This ensures that your project has run successfully and also note that the embedded Tomcat server is running on port : 8080 (by default).

15. Now open your browser and type "localhost:PortNumberOfTomcatServer" and press ENTER.



You'll be redirected to a login page that is the first page of our webapp.

Go ahead and register yourself first if not already registered.

* **If you want to register as an ADMIN, you'll have to enter the following passkey on the Registration page**

PassKey : abc123xyz456

Additional Information (Optional)

1. **Embedded Tomcat Server Running on Default Port : 8080**

   In case you have some other application running on this port number, you can change the tomcat server port number by writing the following statement in the "application.properties " file.

   server.port = AnyOtherPortNumber

   Example,

   server.port = 8081

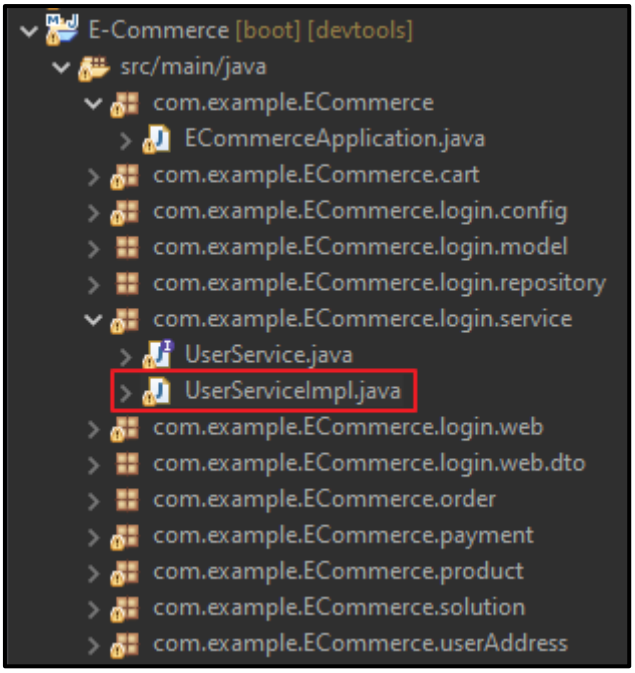
   Now save the "application.properties " file and now your Tomcat server will run on port number : 8081.

   Also, now while running the project, in your browser you have to type in "**localhost:8081"** i.e. updated port number.

2. **Change ADMIN PassKey**

   For now as mentioned above, the ADMIN PassKey is : abc123xyz456

   To change this passkey, go to the source code, in the "UserServiceImpl.java" file in the "com.example.Ecommerce.login.service" package under "src/main/java" folder.



In this file, you find the following snippet :

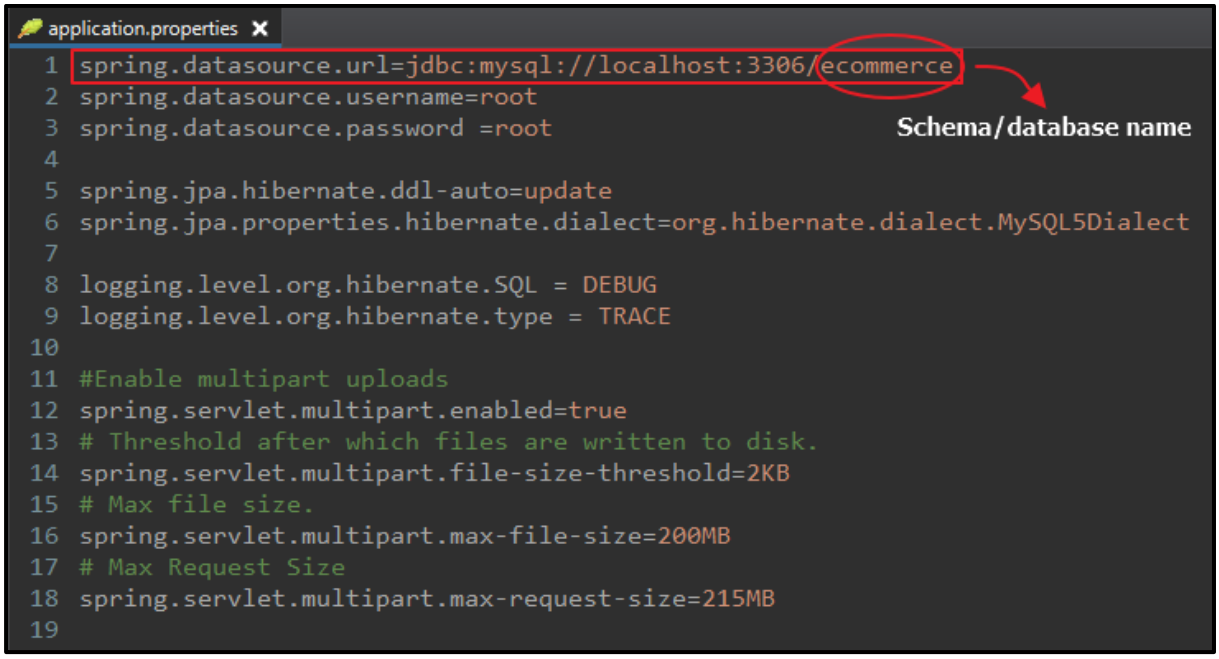
```java
package com.example.ECommerce.login.service;

import java.util.ArrayList;

@Service
public class UserServiceImpl implements UserService
{
    private User user;

    @Autowired
    private UserRepository userRepository;

    @Autowired
    private BCryptPasswordEncoder passwordEncoder;

    public UserServiceImpl(UserRepository userRepository)
    {
        super();
        this.userRepository = userRepository;
    }

    String hardCodedPassKey = "abc123xyz456";

    String definedRole;

    String UserName;
```

Here in the String hardCodedPassKey, you can change it's value.

Remember to save the file.

3. Change Schema/database name

If you want to make a Schema/Database with a different name in your MySQL Workbench, then you also have to change the schema/database name in the "application.properties" file.



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Project made during my internship under :

TechCiti Software Consulting Private Limited