

Centre Name: ACE-HCMC-2-FPT.

Address: 590 Cach Mang Thang 8, District 3, Ho Chi Minh City, Viet Nam.

SMART SHOP

Installation Guide

Supervisor:	Mr. Hoang Duc Quang	
Semester:	4	
Batch No:	T1.2309.E1	
Group No:	3	
Team member:	Full name	Roll No.
1.	Dang Ngoc Minh Triet	Student1313754
2.	Truong Thanh Nghia	Student1316198
3.	Doan Nguyen Hong Quan	Student1275264
4.	Nguyen Mau Linh	Student1270648

September, 2023

I. SYSTEM REQUIREMENT

1. Hardware requirement

Component	Requirement
Server	Processor type: Pentium IV-compatible processor or faster Processor speed: Recommended: 2.0 GHz or faster
OS	Microsoft Windows XP or higher with IIS
Memory (RAM)	RAM: Minimum: 2 GB Recommended: 8 GB or more Maximum: Operating system maximum
Hard Drive	Free space: Minimum: 2 GB Recommended: 50 GB or more Maximum: Operating system maximum

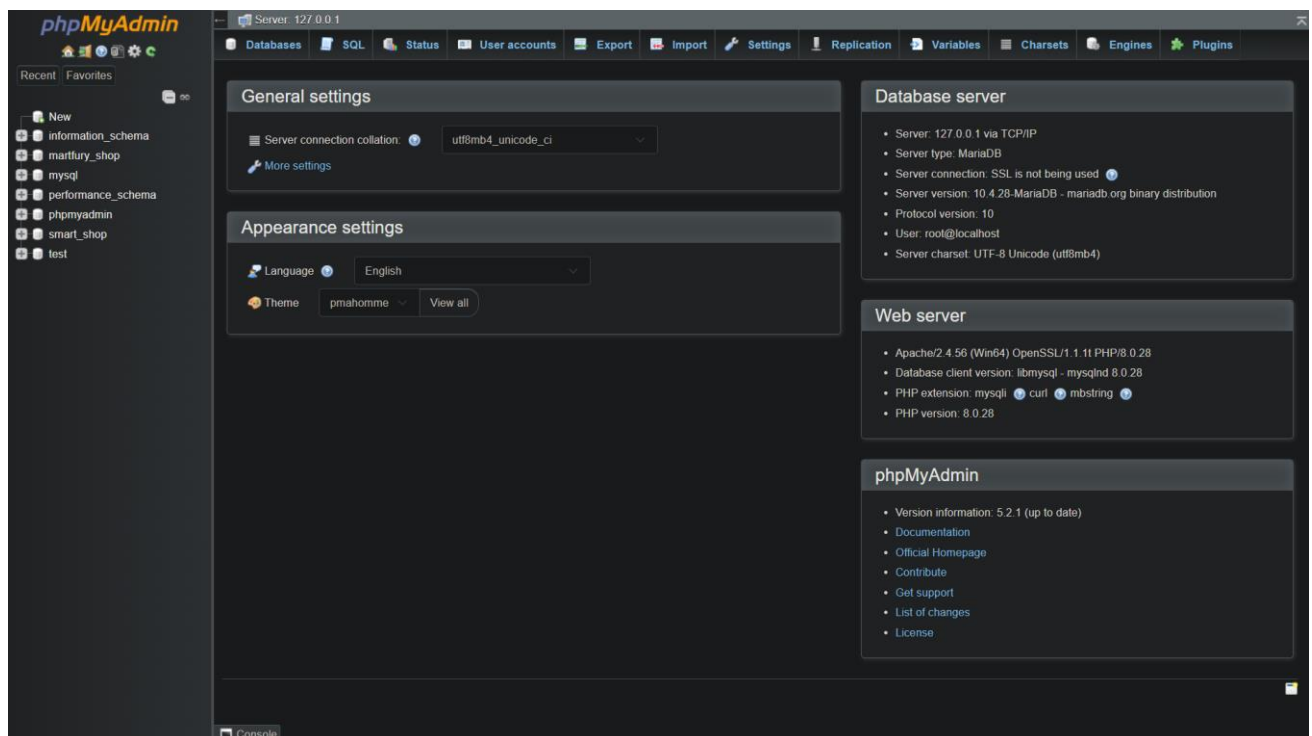
2. Software requirement

Component	Requirement
Java	Spring Framework, NetBean
JavaScript	Visual Studio Code, Angular
RDBMS	MySQL
Android	Android Studio, React Native
Web Browser	Chrome (recommended), Firefox, IE 7 or higher

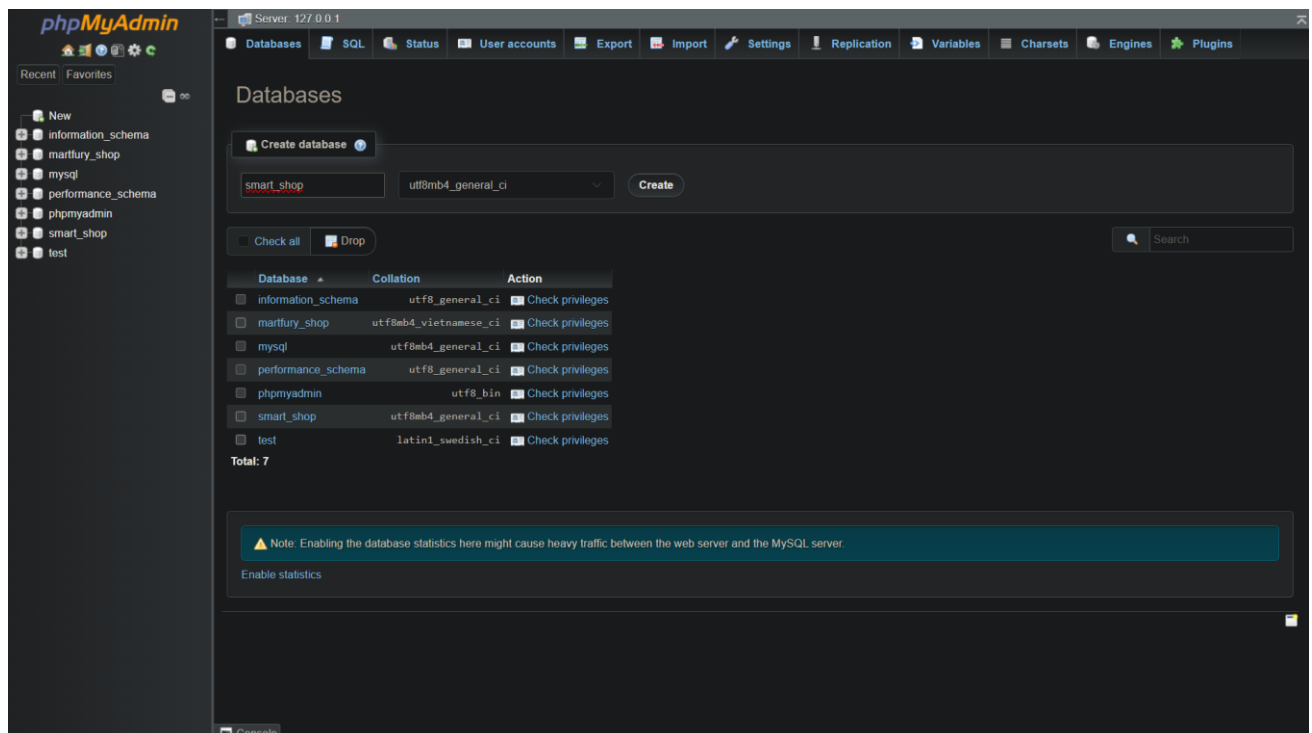
II. CONFIGURATION

1. Database Configuration

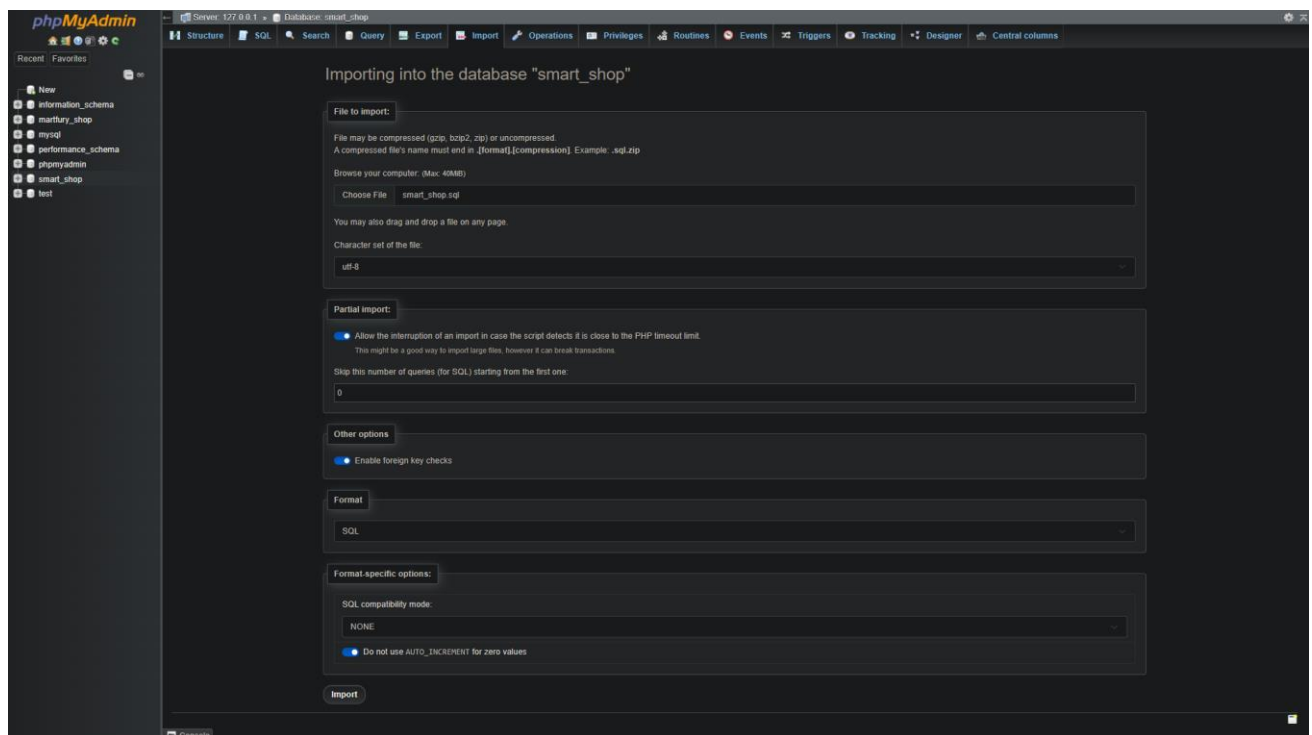
1.1. Open and Connect MySQL Admin



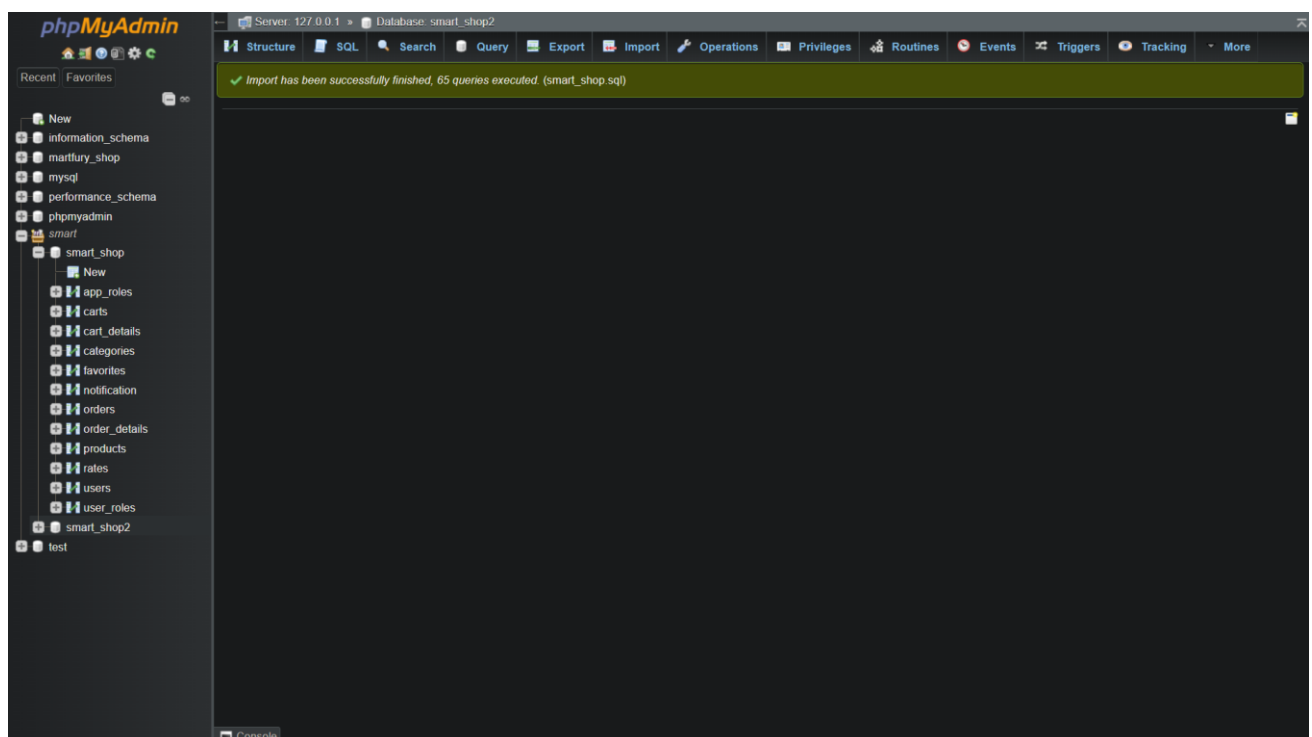
1.2. Click Create Database **smart_shop**

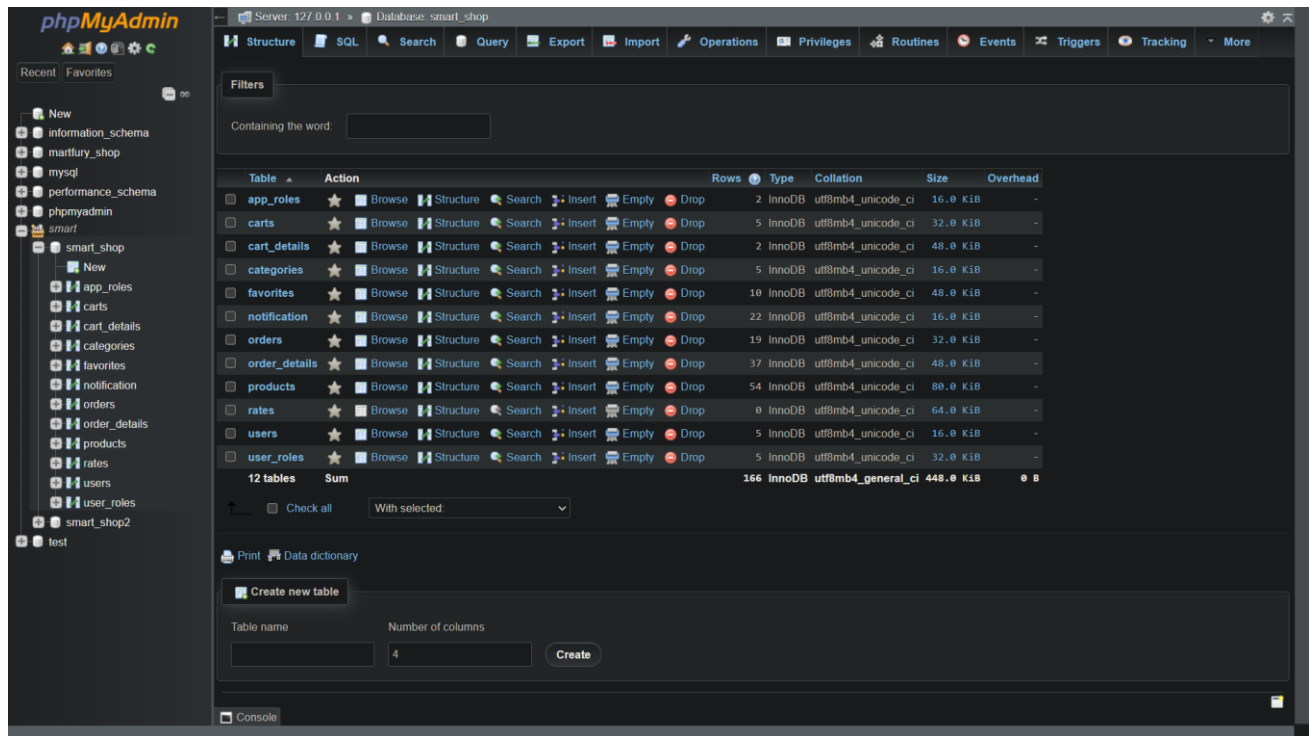


1.3. Import file database smart_shop.sql



1.4. Execute query to generate database for Project

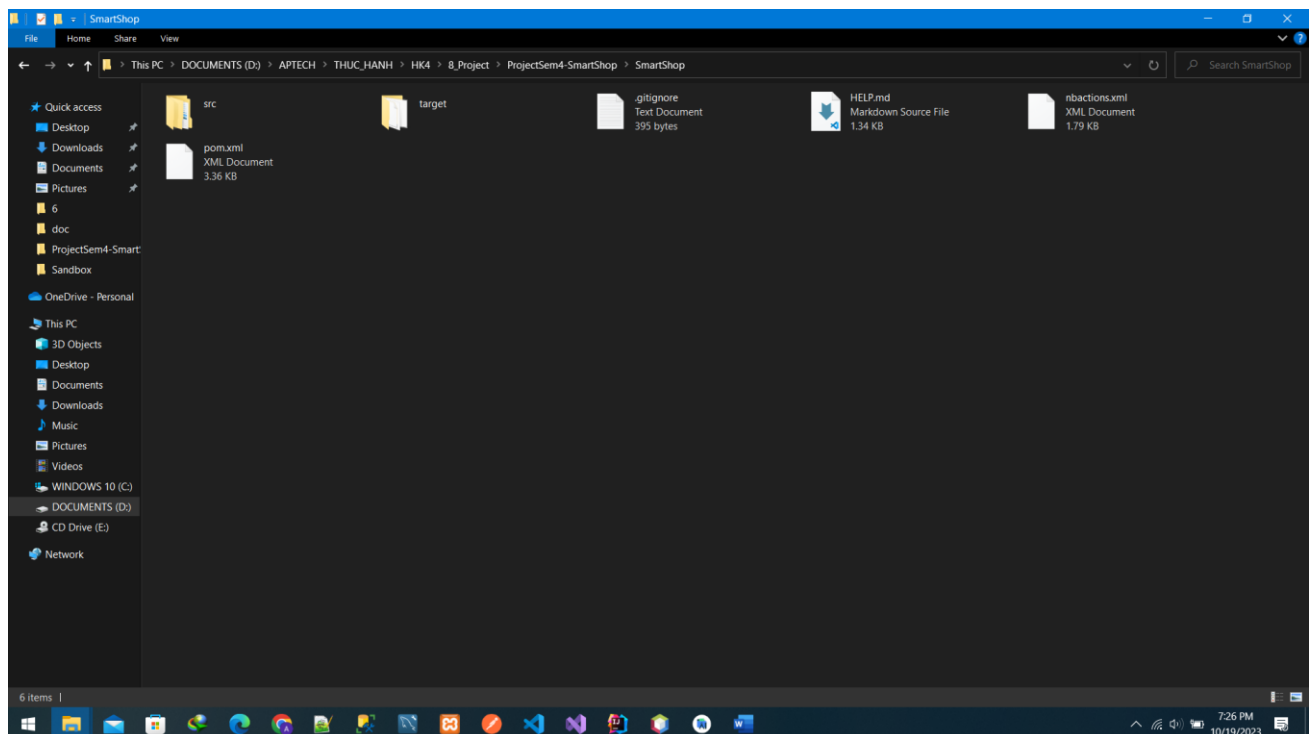


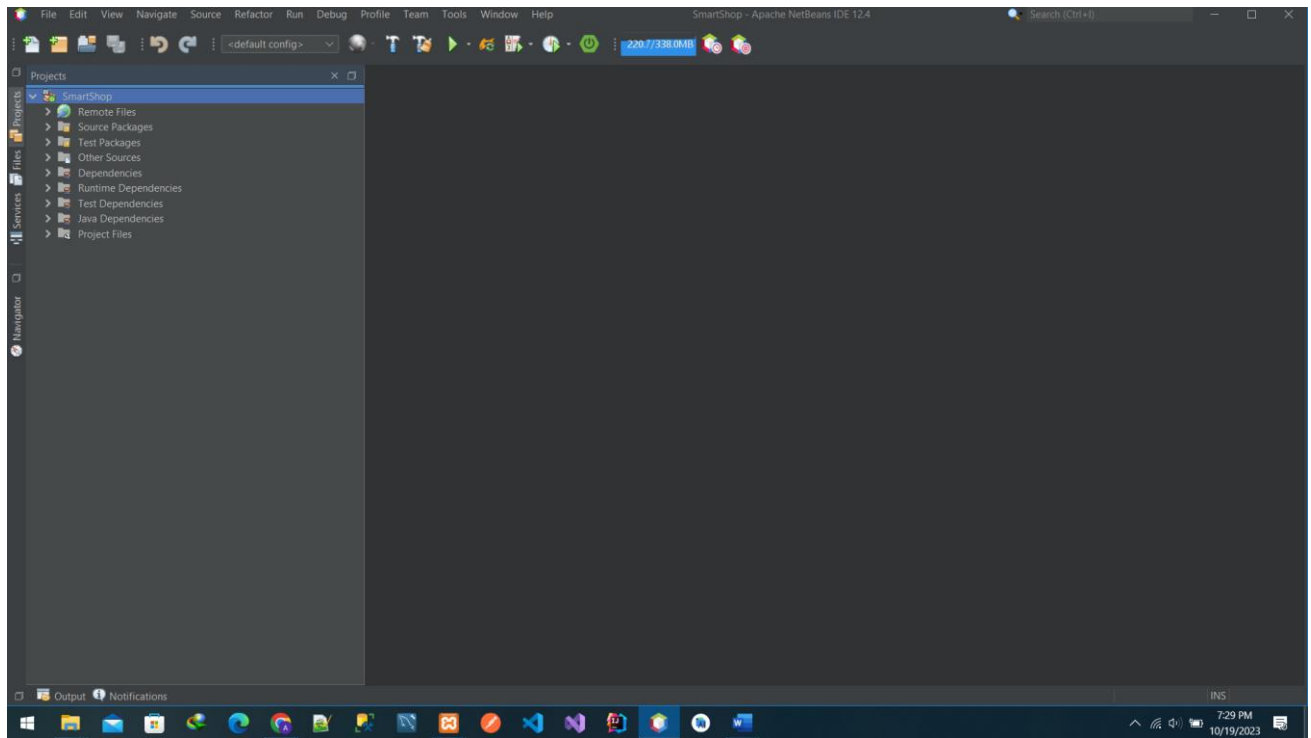


2. Start Project

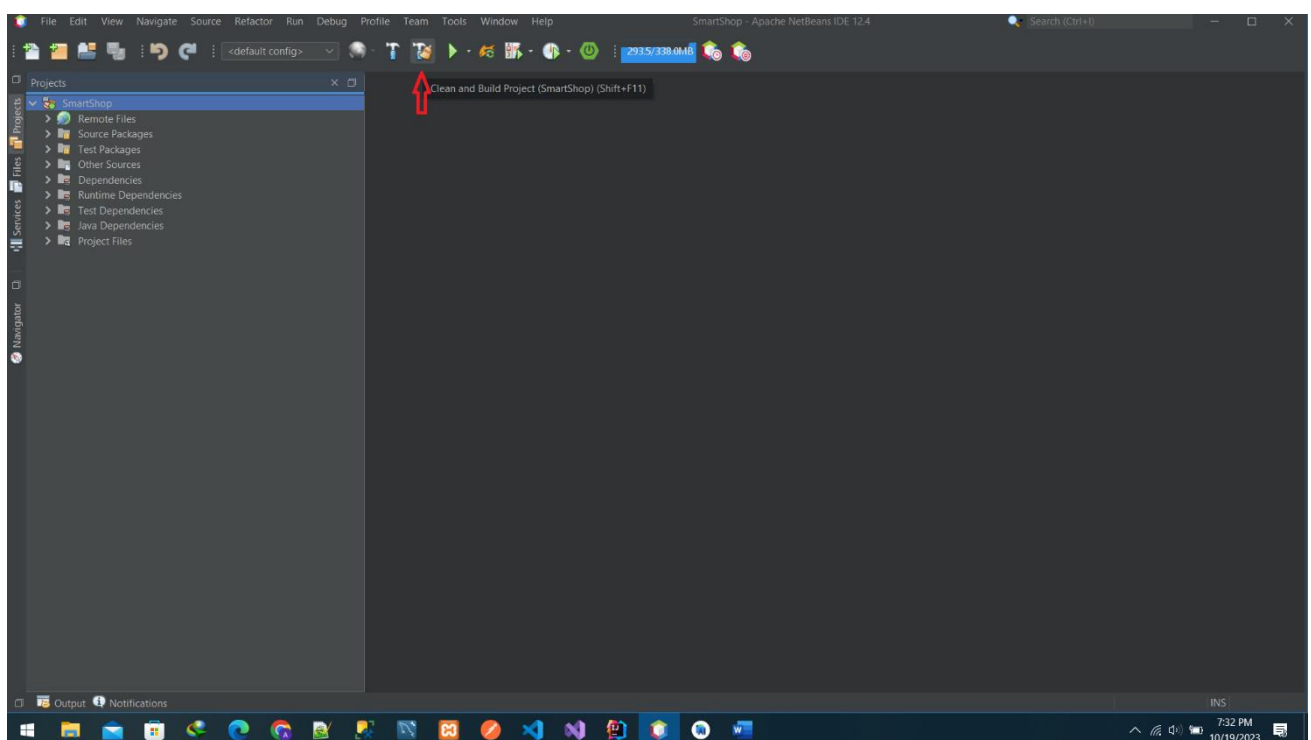
2.1. Start Back-End:

2.1.1. Start NetBean and open Project in folder SmartShop





2.1.4. In NetBean, click Clean and Build project



2.1.5. Run project after build succeeded to start server for back-end first

2.2. Start Web App:

We using Angular to build Front-end for Project. If you don't have Angular yet, the first thing to do is to install Angular to run the front-end for the project

2.2.1. Install Node.js and NPM:

Install Node.js and npm before to install Angular

- Download and install Node.js from <https://nodejs.org/en>

	32-bit	64-bit
Windows Installer (.msi)		
Windows Binary (.zip)		
macOS Installer (.pkg)	64-bit / ARM64	
macOS Binary (.tar.gz)	64-bit	ARM64
Linux Binaries (x64)	64-bit	
Linux Binaries (ARM)	ARMv7	ARMv8
Source Code	node-v18.18.2.tar.gz	

- We use NodeJS 16.20.0 version and npm 8.19.4 version

2.2.2. Install the Angular CLI:

- Open a terminal/command prompt and run ***npm install -g @angular/cli***

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.19045.3324]
(c) Microsoft Corporation. All rights reserved.

C:\Users\ANGLE>npm install -g @angular/cli

changed 244 packages in 13s

36 packages are looking for funding
  run `npm fund` for details
```

- Verify the installation by checking the node, npm, ng versions

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.19045.3570]
(c) Microsoft Corporation. All rights reserved.

C:\Users\ANGLE>node -v
v16.20.0

C:\Users\ANGLE>npm -v
8.19.4

C:\Users\ANGLE>ng version

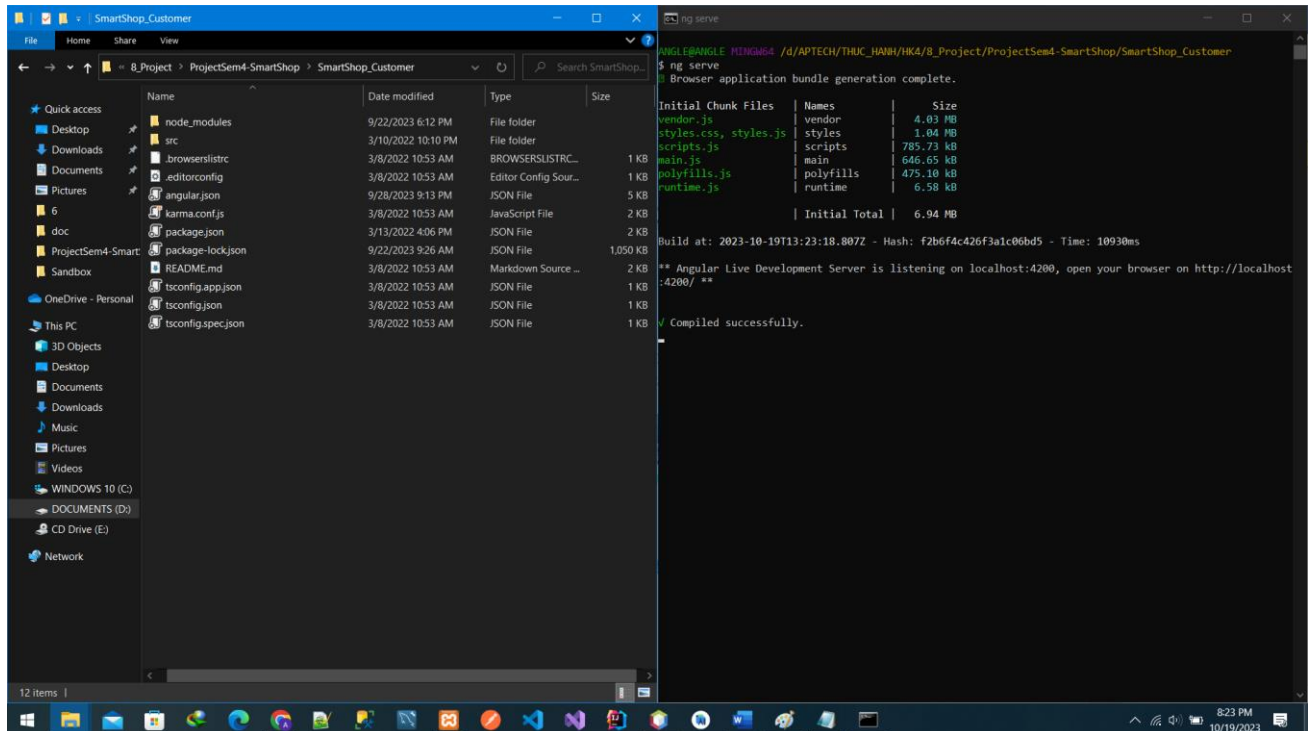
Angular CLI
Angular CLI: 16.2.0
Node: 16.20.0
Package Manager: npm 8.19.4
OS: win32 x64

Angular:
...

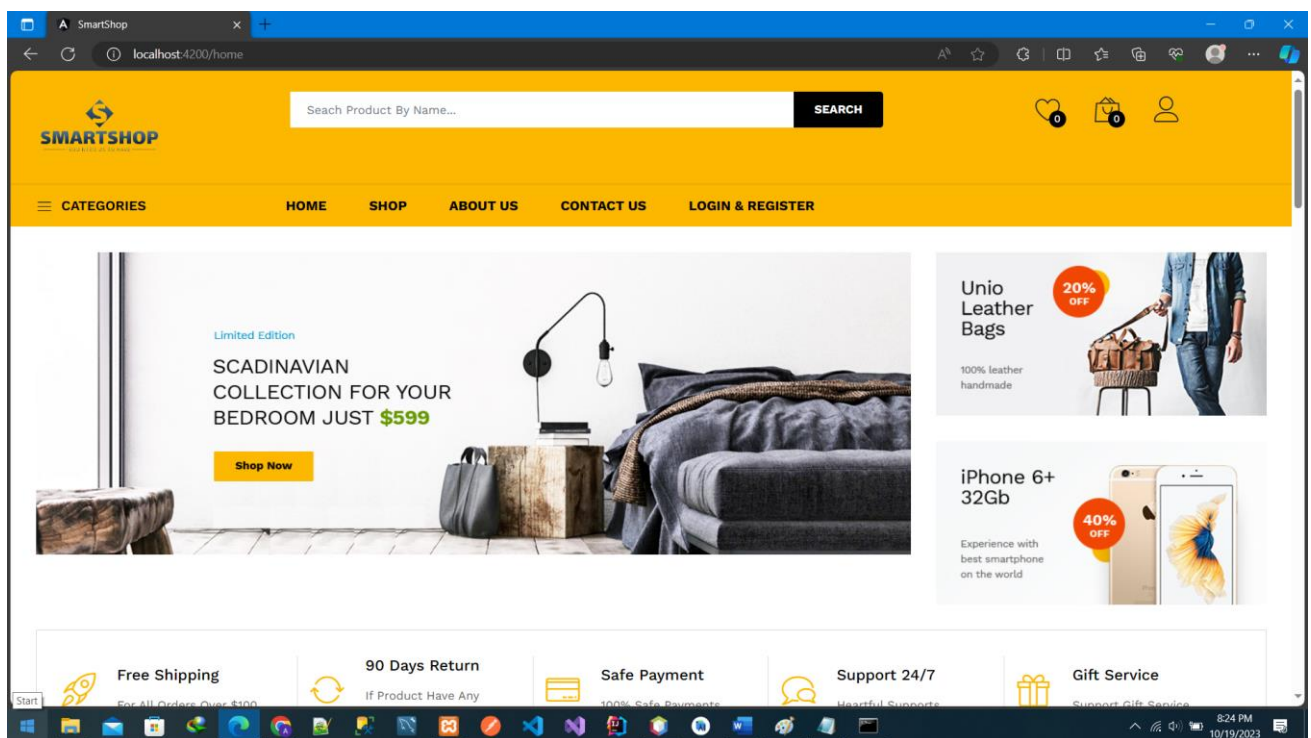
Package      Version
-----
@angular-devkit/architect    0.1602.0 (cli-only)
@angular-devkit/core         16.2.0 (cli-only)
@angular-devkit/schematics   16.2.0 (cli-only)
@schematics/angular          16.2.0 (cli-only)

C:\Users\ANGLE>
```

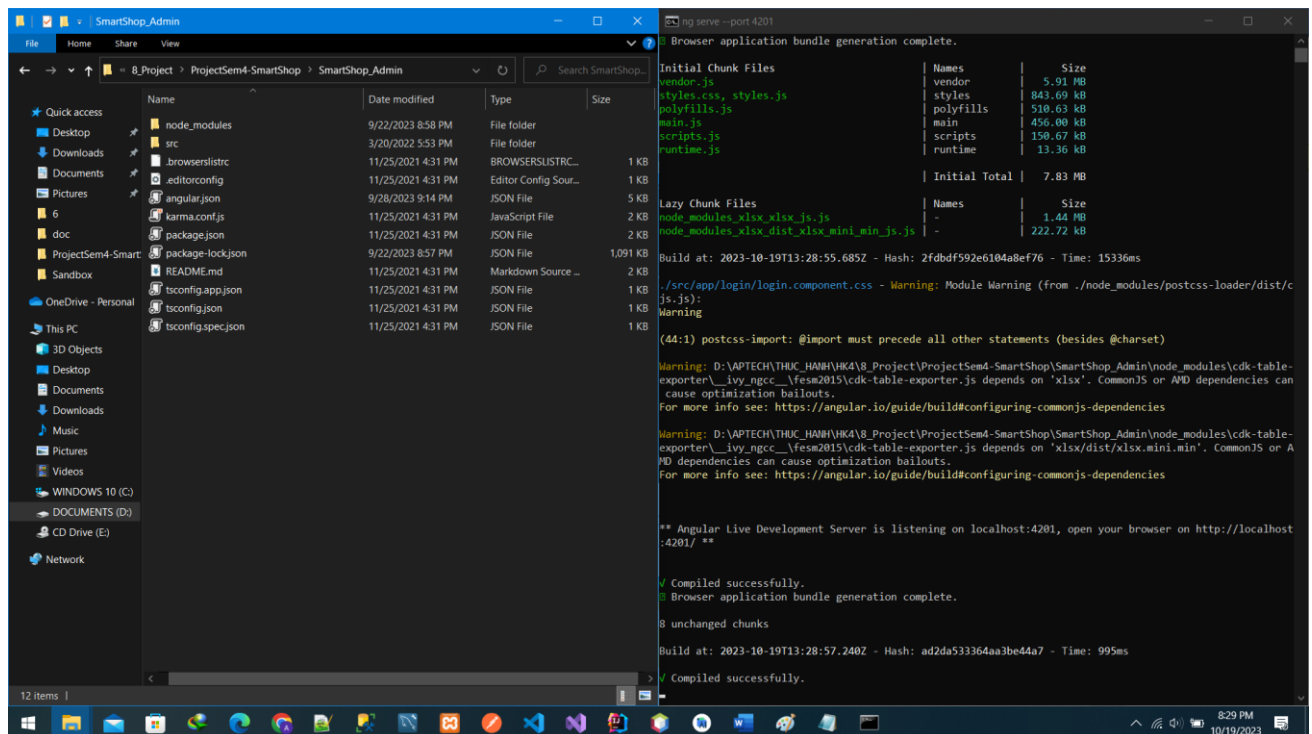

2.2.3. In folder *SmartShop_Customer*, run *ng serve* command in **cmd** to start dev serve for Customer



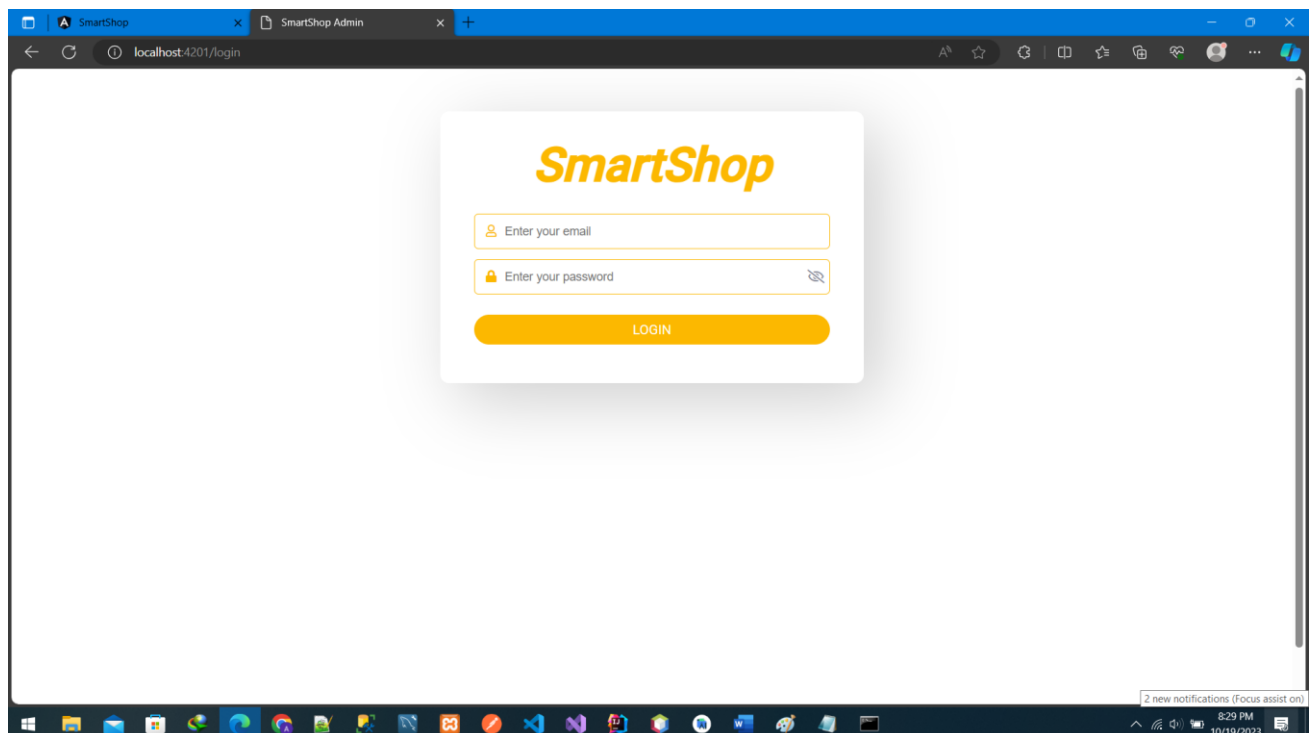
2.2.4. Navigate to <http://localhost:4200/>. The web-app will automatically run in browser to start front-end for customer



2.2.5. In folder *SmartShop_Admin*, run `ng serve --port 4201` command in `cmd` to start dev serve for Admin



2.2.6. Navigate to <http://localhost:4201/>. The web-app will automatically run in browser to start front-end for admin



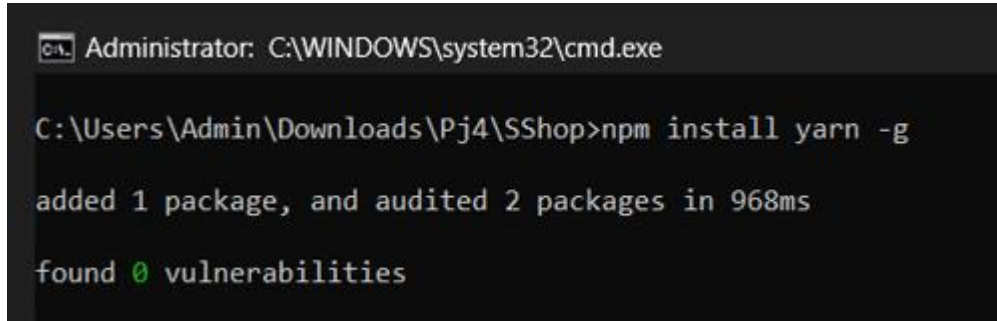
2.3. Start Mobile App:

We using React Native for Mobile App. If you don't have Yarn yet, the first thing to do is to install Yarn to run the front-end for the project

2.3.1. Install Yarn:

Using npm to install Yarn

- Open a terminal/command prompt and run *npm install -g yarn*



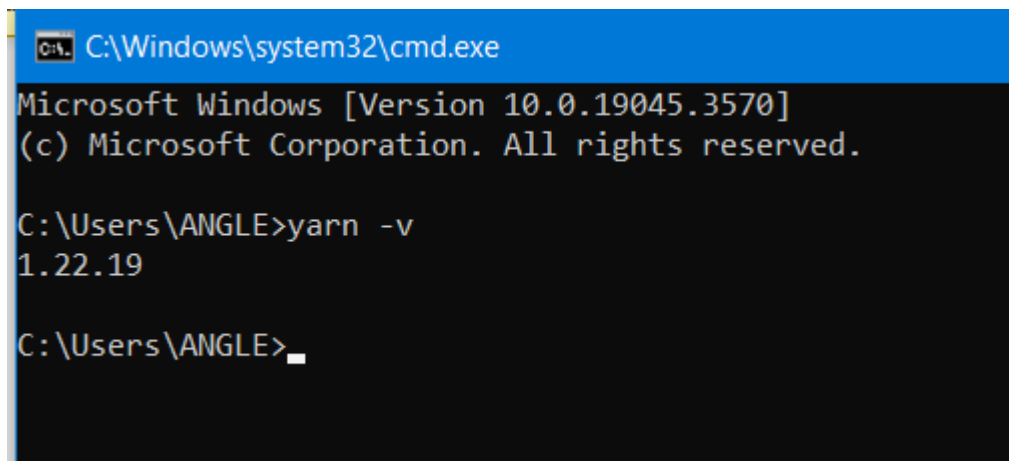
```
Administrator: C:\WINDOWS\system32\cmd.exe

C:\Users\Admin\Downloads\Pj4\SShop>npm install yarn -g

added 1 package, and audited 2 packages in 968ms

found 0 vulnerabilities
```

- Verify the installation by checking the yarn versions



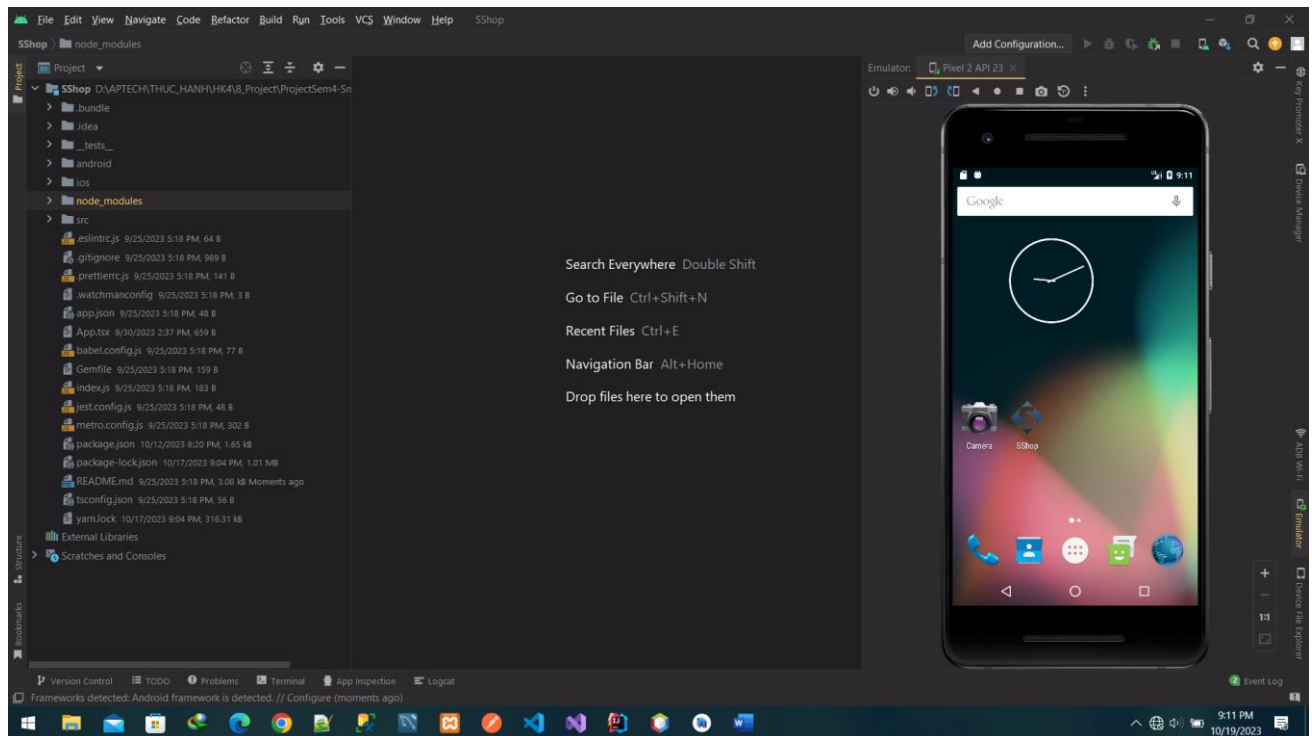
```
C:\Windows\system32\cmd.exe

Microsoft Windows [Version 10.0.19045.3570]
(c) Microsoft Corporation. All rights reserved.

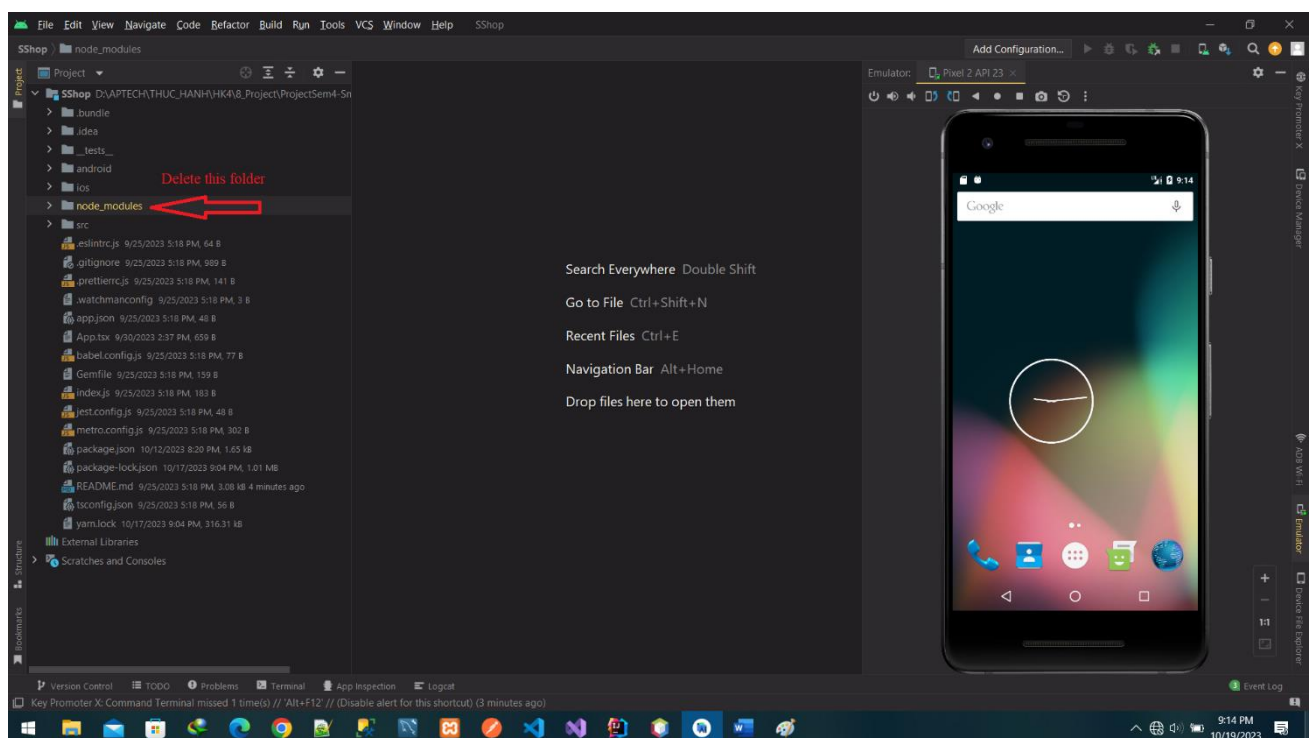
C:\Users\ANGLE>yarn -v
1.22.19

C:\Users\ANGLE>
```

2.3.2. Open Android Studio and start Emulator Device



2.3.3. Delete folder *node_modules*



2.3.4. In folder SShop, run command *npm install* on cmd

```

Administrator: Command Prompt
C:\Windows\System32>cd C:\Users\Admin\Downloads\Pj4\SShop
C:\Users\Admin\Downloads\Pj4\SShop>npm install
npm WARN deprecated @babel/plugin-proposal-optional-catch-binding@7.18.6: This proposal has been merged to the ECMAScript standard and thus this plugin is no longer maintained. Please use @babel/plugin-transform-optional-catch-binding instead.
npm WARN deprecated @babel/plugin-proposal-numeric-separator@7.18.6: This proposal has been merged to the ECMAScript standard and thus this plugin is no longer maintained. Please use @babel/plugin-transform-numeric-separator instead.
npm WARN deprecated uglify-es@3.3.9: support for ECMAScript is superseded by 'uglify-js' as of v3.13.0
npm WARN deprecated @babel/plugin-proposal-optional-chaining@7.21.0: This proposal has been merged to the ECMAScript standard and thus this plugin is no longer maintained. Please use @babel/plugin-transform-optional-chaining instead.
npm WARN deprecated @babel/plugin-proposal-class-properties@7.18.6: This proposal has been merged to the ECMAScript standard and thus this plugin is no longer maintained. Please use @babel/plugin-transform-class-properties instead.
npm WARN deprecated @babel/plugin-proposal-nullish-coalescing-operator@7.18.6: This proposal has been merged to the ECMAScript standard and thus this plugin is no longer maintained. Please use @babel/plugin-transform-nullish-coalescing-operator instead.
npm WARN deprecated @babel/plugin-proposal-async-generator-functions@7.20.7: This proposal has been merged to the ECMAScript standard and thus this plugin is no longer maintained. Please use @babel/plugin-transform-async-generator-functions instead.
npm WARN deprecated @babel/plugin-proposal-object-rest-spread@7.20.7: This proposal has been merged to the ECMAScript standard and thus this plugin is no longer maintained. Please use @babel/plugin-transform-object-rest-spread instead.
added 1212 packages, and audited 1213 packages in 2m
151 packages are looking for funding
  run `npm fund` for details
2 vulnerabilities (1 moderate, 1 critical)
To address all issues, run:
  npm audit fix
Run `npm audit` for details.
npm notice
npm notice New major version of npm available! 7.24.0 -> 10.2.1
npm notice Changelog: https://github.com/npm/cli/releases/tag/v10.2.1
npm notice Run `npm install -g npm@10.2.1` to update!
npm notice
C:\Users\Admin\Downloads\Pj4\SShop>

```

2.3.5. Run command **yarn -start** to start and press **a** to run on Android

```

MINGW64/d/APTECH/THUC_HANH/HK4/8_Project/ProjectSem4-SmartShop/SShop
$ yarn start
yarn run v1.22.19
$ react-native start

  Welcome to Metro v0.76.8
  Fast - Scalable - Integrated

r - reload the app
d - open developer menu
i - run on iOS
a - run on Android

info Opening the app on Android...
info JS server already running.
info Installing the app...
> Task :gradle-plugin:compileKotlin UP-TO-DATE
> Task :gradle-plugin:compileJava NO-SOURCE
> Task :gradle-plugin:pluginDescriptors UP-TO-DATE
> Task :gradle-plugin:processResources UP-TO-DATE
> Task :gradle-plugin:classes UP-TO-DATE
> Task :gradle-plugin:jar UP-TO-DATE
> Task :gradle-plugin:inspectClassesForKotlinIC UP-TO-DATE

> Configure project :react-native-firebase_app
:react-native-firebase_app package.json found at D:\APTECH\THUC_HANH\HK4\8_Project\ProjectSem4-SmartShop\SShop\node_modules\react-native-firebase\app\package.json
:react-native-firebase_app:firebase.bom using default value: 32.3.1
:react-native-firebase_app:play-services-auth using default value: 20.7.0
:react-native-firebase_app package.json found at D:\APTECH\THUC_HANH\HK4\8_Project\ProjectSem4-SmartShop\SShop\node_modules\react-native-firebase\app\package.json
:react-native-firebase_app:version set from package.json: 18.5.0 (18,5,0 - 18005000)
:react-native-firebase_app:android.compileSdk using custom value: 33
:react-native-firebase_app:android.targetSdk using custom value: 33
:react-native-firebase_app:android.minSdk using custom value: 21
:react-native-firebase_app:reactNativeAndroidDir D:\APTECH\THUC_HANH\HK4\8_Project\ProjectSem4-SmartShop\SShop\node_modules\react-native\android

```

So you have finished the installation of our software. Congratulations on that. We are very honored to be able to guide you, thank you for keeping track!!

Note: You can use the accounts below to test:

1. Admin account :

Email : linhnmts2006016@fpt.edu.vn

Password: 123456

2. Customer account:

Email: diepmocphong@gmail.com

Password: 123456

