

I. Requirement for run Urban Nest application(Web, Mobile)

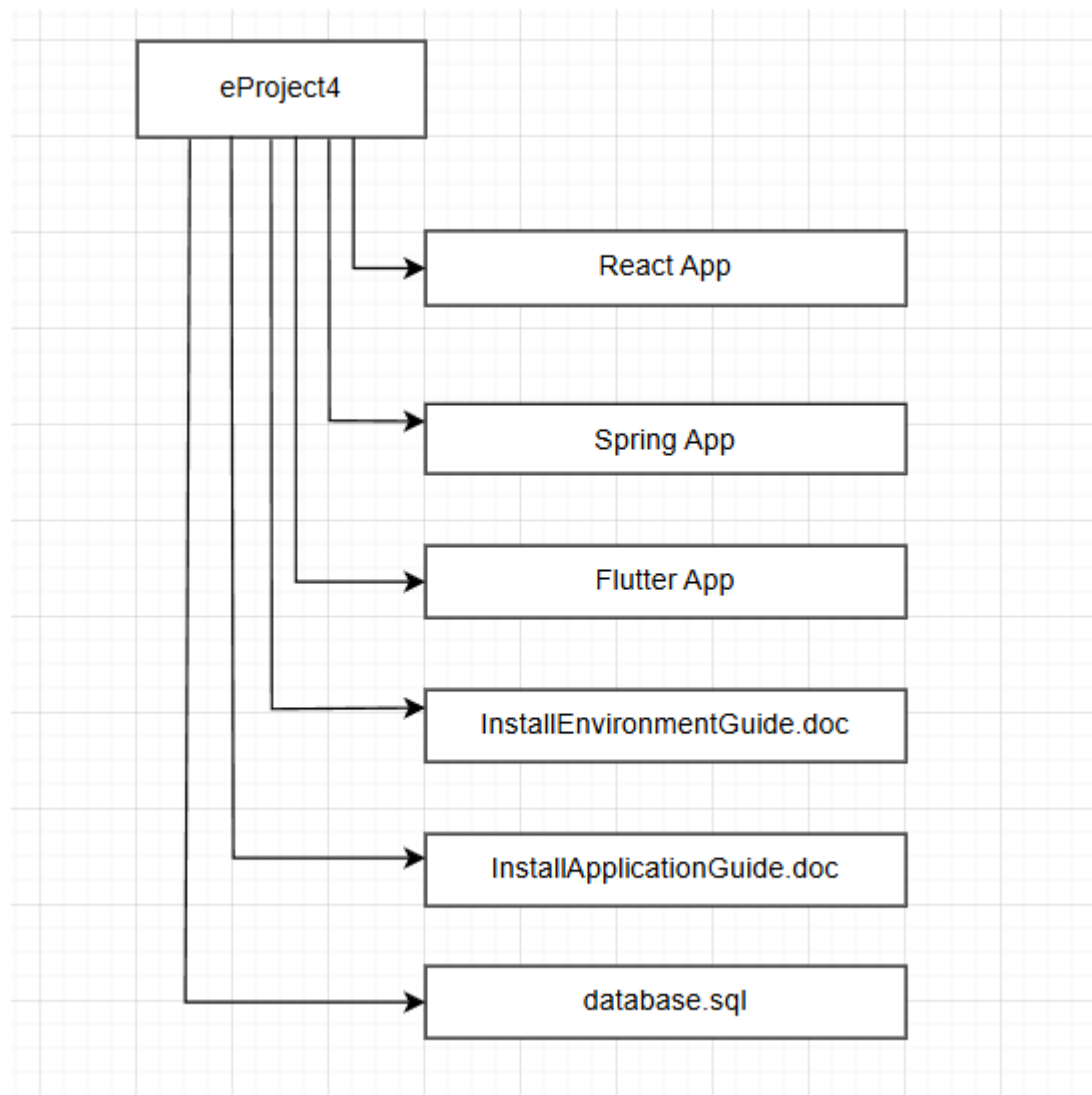
Operating System: Win 10 or higher

Development Environment: Please refer to [InstallEnvironmentGuid.docx](#)

Required Software:

- Visual Studio Code: follow this guide if you haven't installed it yet ([How to Install Visual Studio Code on Windows? - GeeksforGeeks](#))
- IntelliJ IDEA: follow this guide if you haven't installed it yet ([Step by Step guide to install IntelliJ Idea - GeeksforGeeks](#))
- Android Studio: follow this guide if you haven't installed it yet ([How to Install Flutter on Windows? - GeeksforGeeks](#))
- MySql Workbench and MySql Server: follow this guide if you haven't installed it yet ([How to Install SQL Workbench For MySQL on Windows? - GeeksforGeeks](#))

Folder Structure:

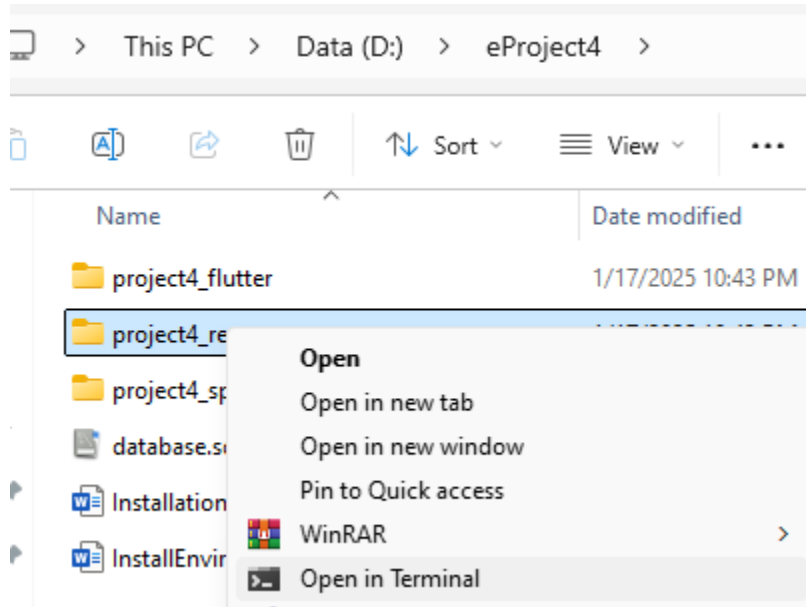


This PC > Data (D:) > eProject4 >					
Sort View ...					
Name	Date modified	Type	Size	Frame height	
project4_flutter	1/17/2025 10:43 PM	File folder			
project4_react	1/17/2025 10:43 PM	File folder			
project4_spring	1/17/2025 10:43 PM	File folder			
database.sql	1/17/2025 10:44 PM	SQL Text File	101,396 KB		
InstallationApplicationGuide.docx	1/17/2025 11:41 PM	Microsoft Word D...	0 KB		
InstallEnviromentGuide.docx	1/17/2025 11:41 PM	Microsoft Word D...	2,828 KB		

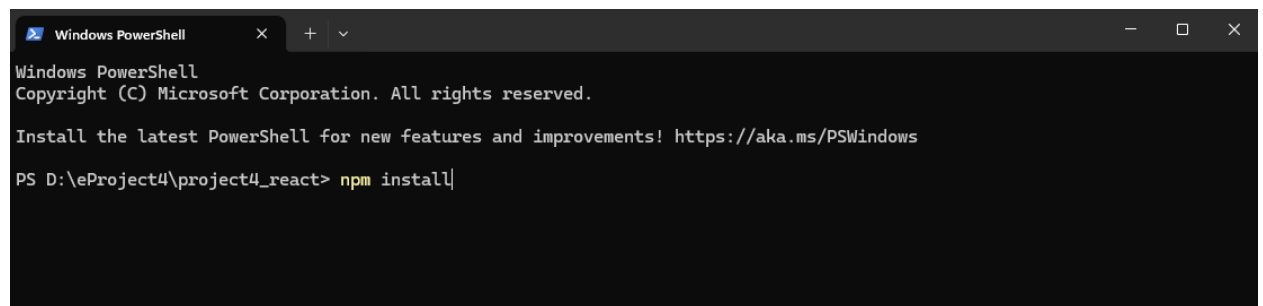
II. Run the React Application

1. Start React App

- Run React app by CLI (Command Line Interface)



- Type **npm install** and press **Enter** to install node_modules and wait until it completes successfully.



```
Windows PowerShell
npm WARN EBADENGINE package: 'eslint-scope@8.1.0',
npm WARN EBADENGINE required: { node: '^18.18.0 || ^20.9.0 || >=21.1.0' },
npm WARN EBADENGINE current: { node: 'v18.17.0', npm: '9.6.7' }
npm WARN EBADENGINE }
npm WARN EBADENGINE Unsupported engine {
npm WARN EBADENGINE package: 'eslint-visitor-keys@4.1.0',
npm WARN EBADENGINE required: { node: '^18.18.0 || ^20.9.0 || >=21.1.0' },
npm WARN EBADENGINE current: { node: 'v18.17.0', npm: '9.6.7' }
npm WARN EBADENGINE }
npm WARN EBADENGINE Unsupported engine {
npm WARN EBADENGINE package: 'espre@10.2.0',
npm WARN EBADENGINE required: { node: '^18.18.0 || ^20.9.0 || >=21.1.0' },
npm WARN EBADENGINE current: { node: 'v18.17.0', npm: '9.6.7' }
npm WARN EBADENGINE }

added 556 packages, and audited 557 packages in 58s

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

8 vulnerabilities (1 low, 1 moderate, 6 high)

To address issues that do not require attention, run:
  npm audit fix

To address all issues (including breaking changes), run:
  npm audit fix --force

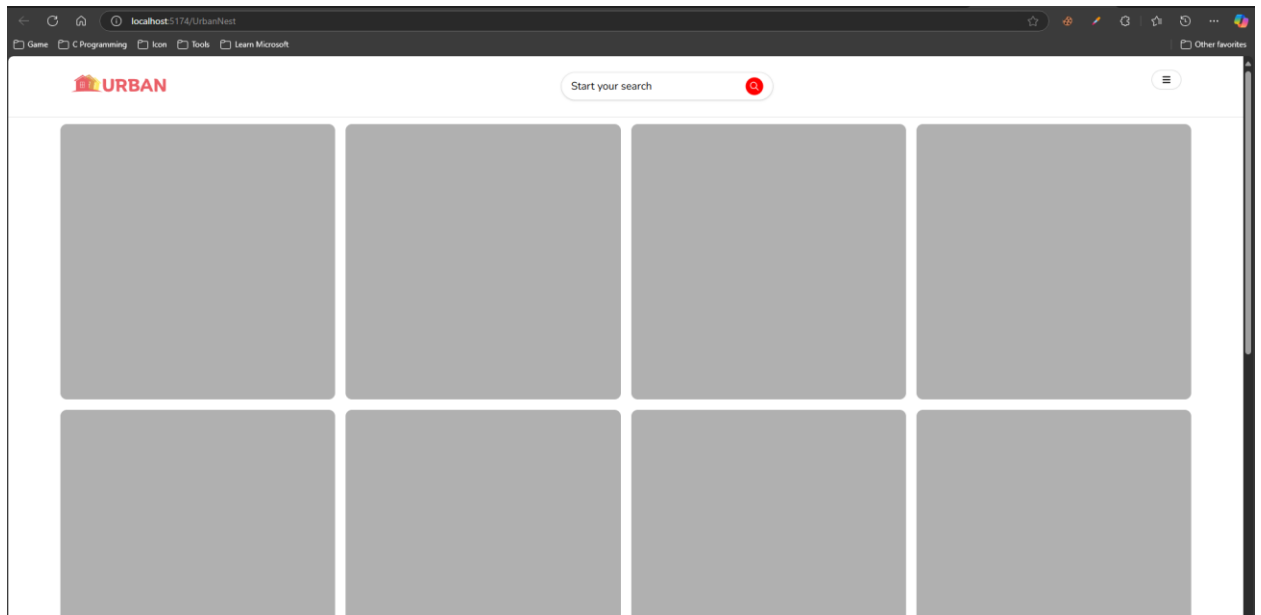
Run `npm audit` for details.
PS D:\eProject4\project4_react>
```

- Type **npm run dev** and press **Enter** to start react app

```
C:\Windows\system32\cmd.e: X
VITE v5.4.10 ready in 206 ms

→ Local:   http://localhost:5173/UrbanNest
→ Network: use --host to expose
→ press h + enter to show help

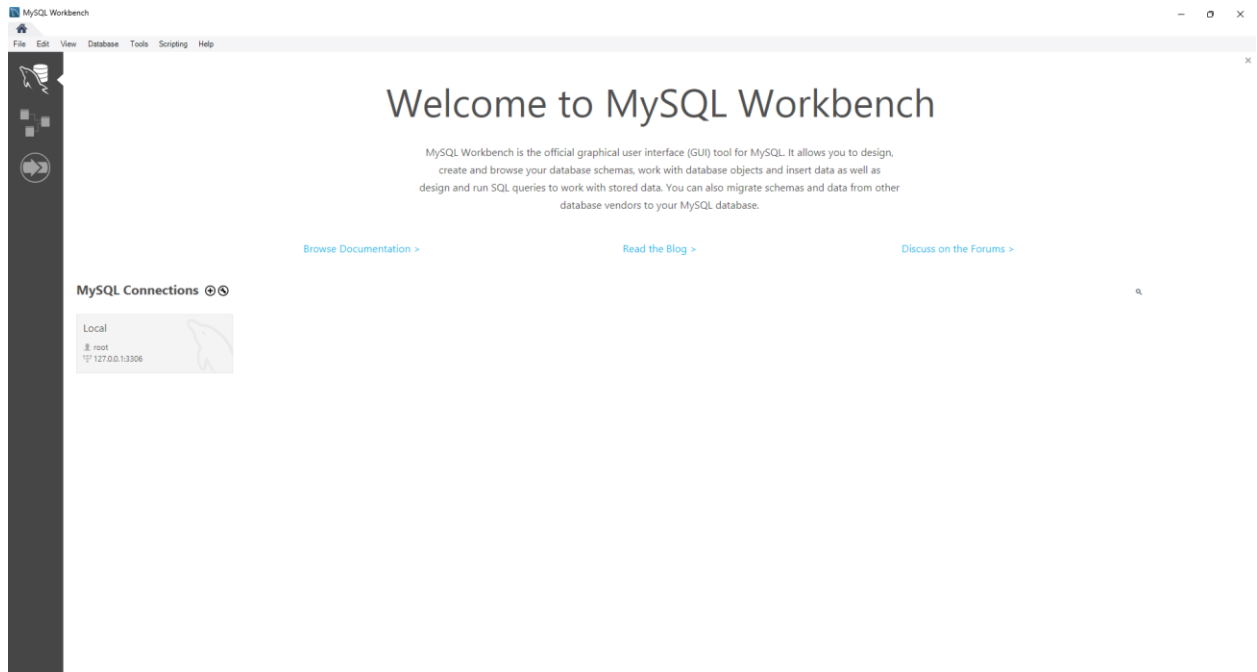
[BABEL] Note: The code generator has deoptimised the styling of D:\eProject4\project4_react\src\shared\data\dchc.jsx as it exceeds the max of 500KB.
```



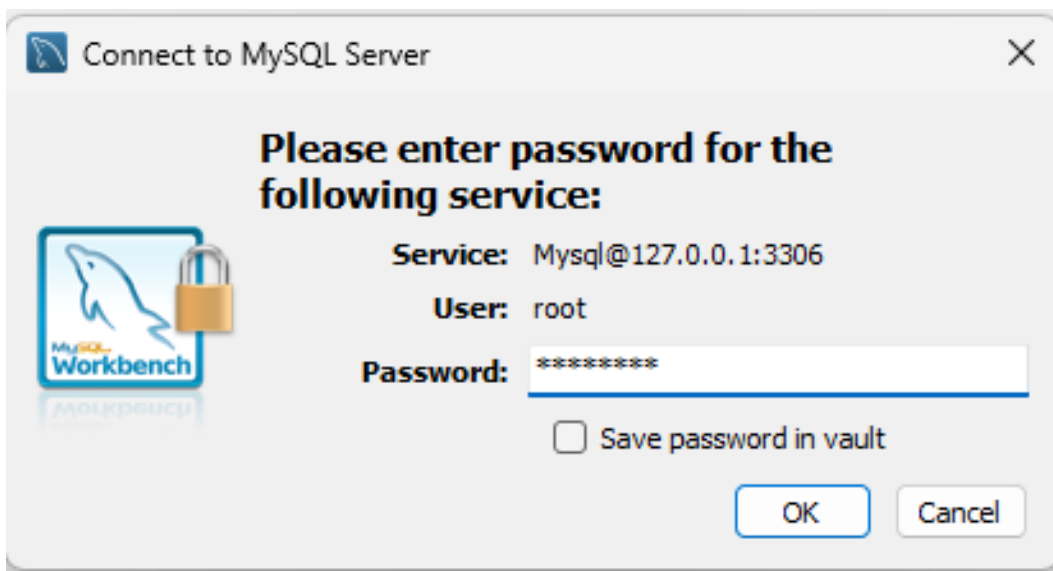
Your React app has started successfully but this is just a static page without service to interact with. Please next step to start service app

2. Insert data to your database

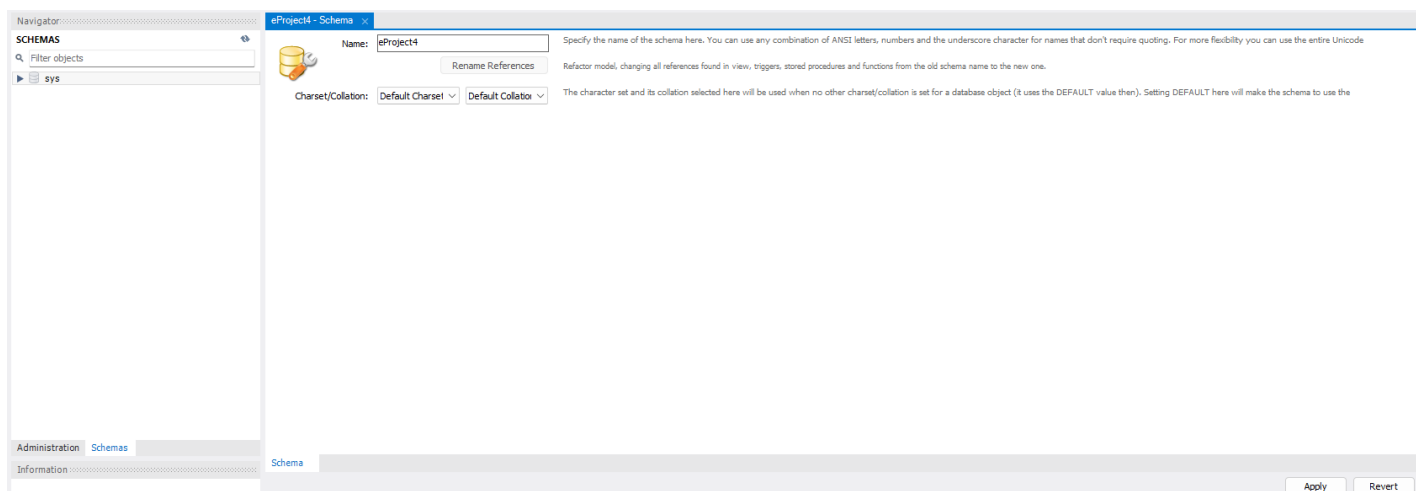
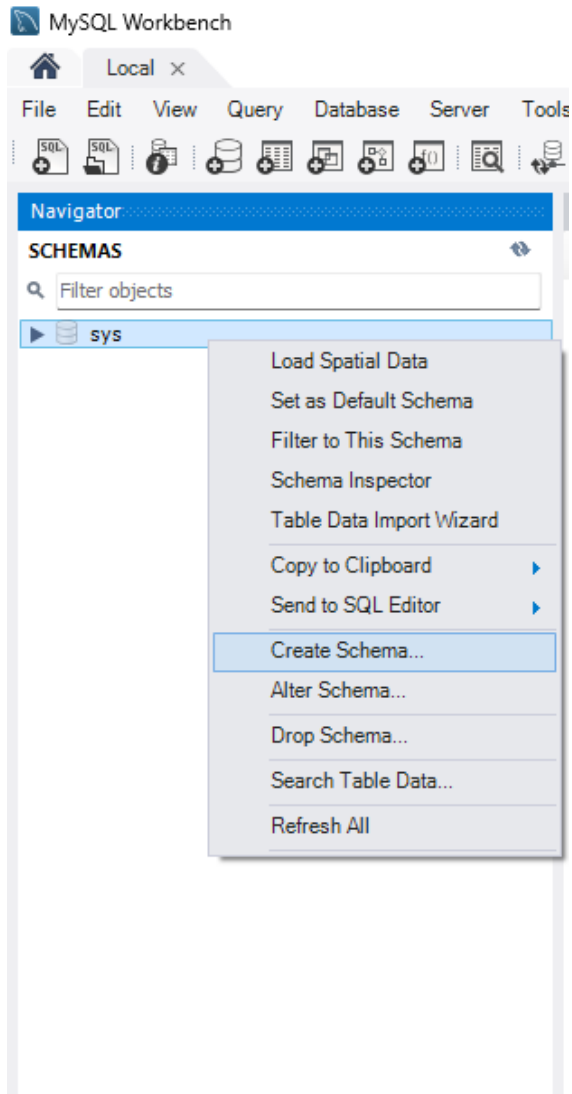
- I. Connect MySQL and Create New Schema
- Open MySQL Workbench. If you have already installed MySQL workbench and MySQL Server you will see image like this. If not please scroll up to top and read **Application System** requirements

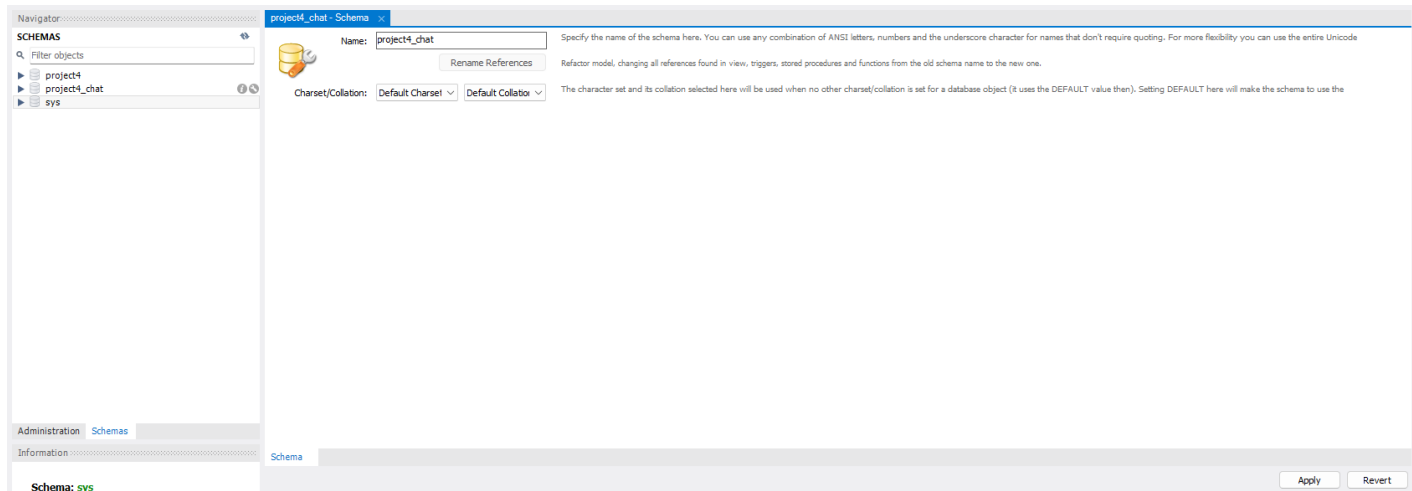


- Next, open connection and input **username** and **password** to login database.
- **Notice:** Remember your username, password, and database_url(Ex: 127.0.0.1:3306) for preparing install spring boot app



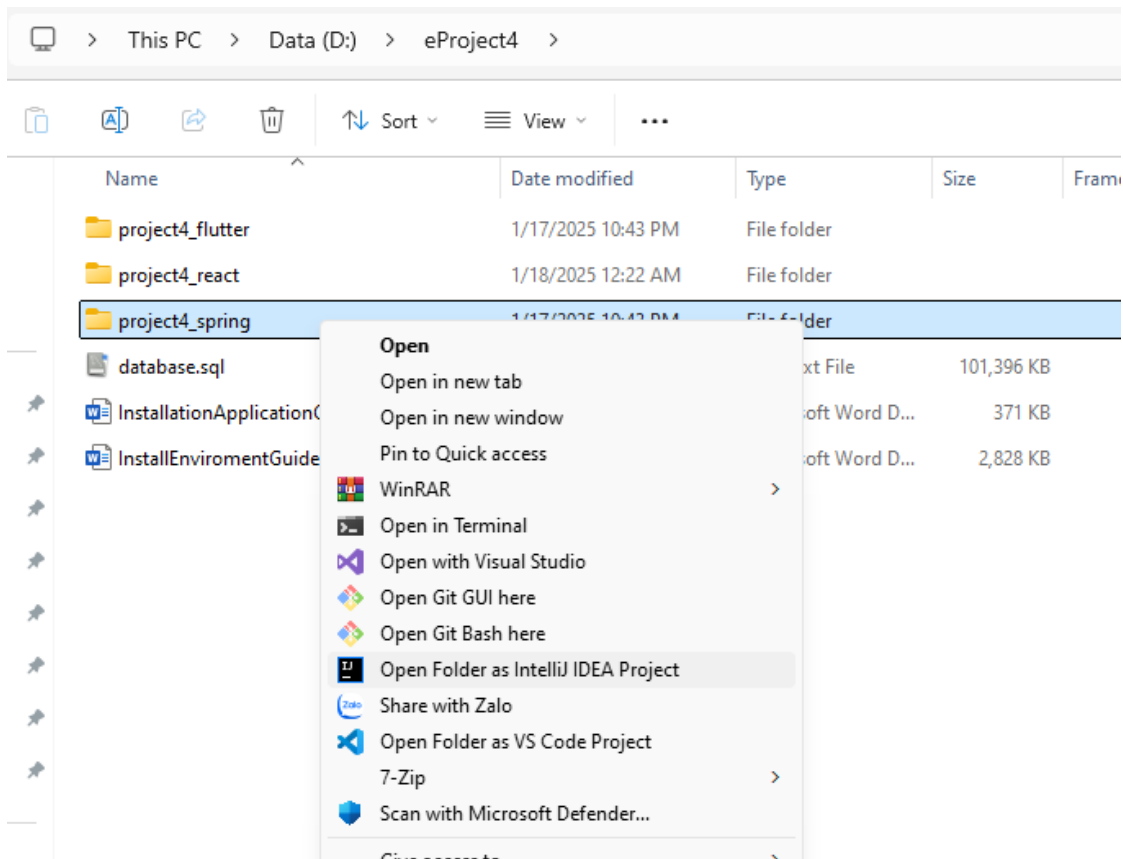
- After login success. Then create New Schema by step sys -> Right- Click -> Create Schema. After that, naming your Schema (Ex: eProject4) and press Apply

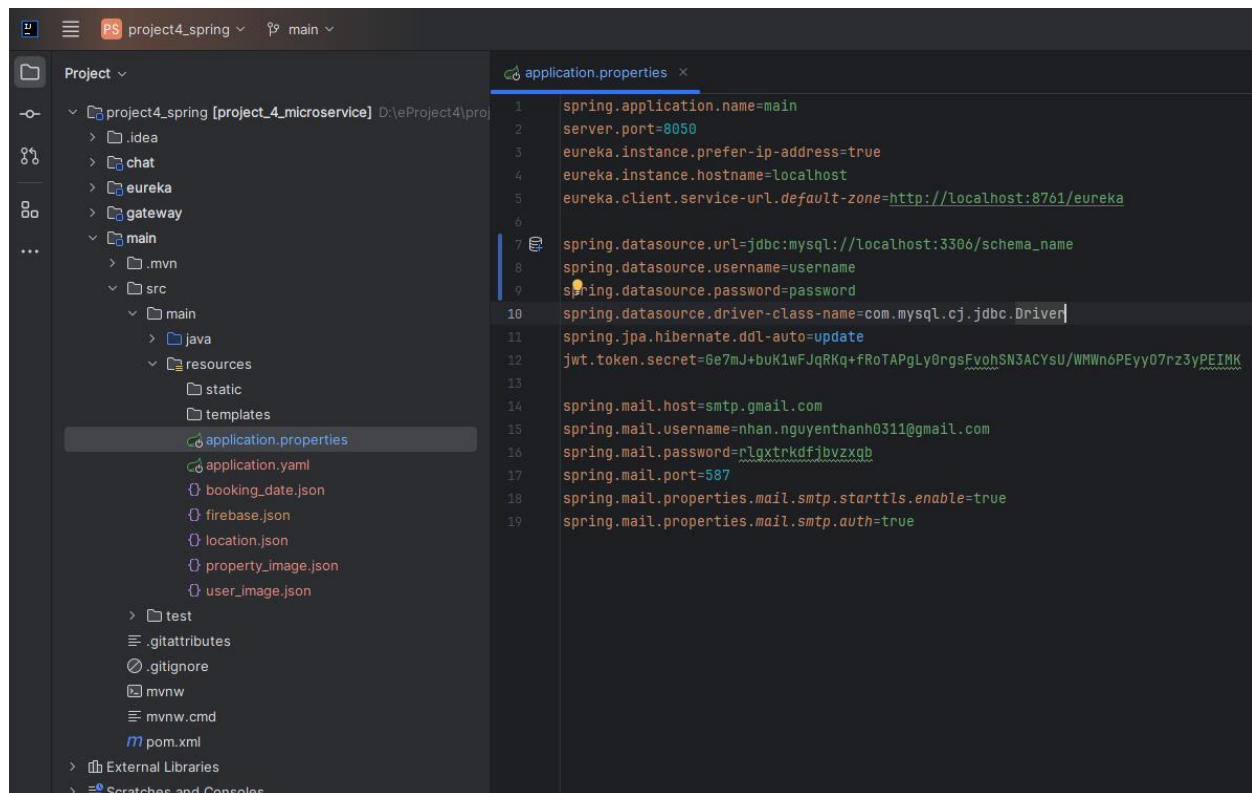




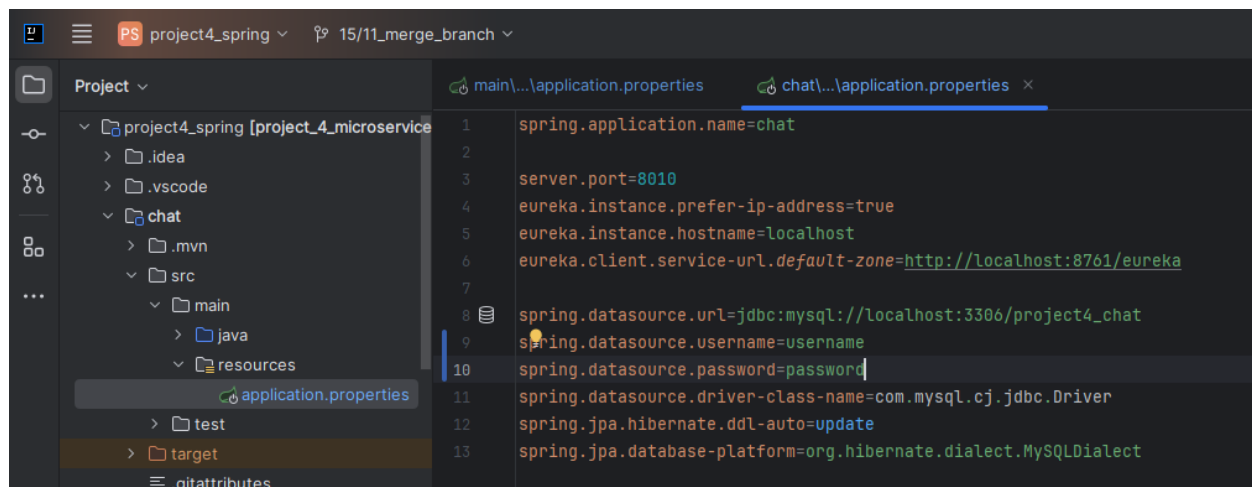
You have successfully created Schema. Now, configure the Spring Boot app to automatically create tables for you.

- II. Configure Spring boot app to create and insert data
- Open **IntelliJ IDEA** and open the Spring Boot project



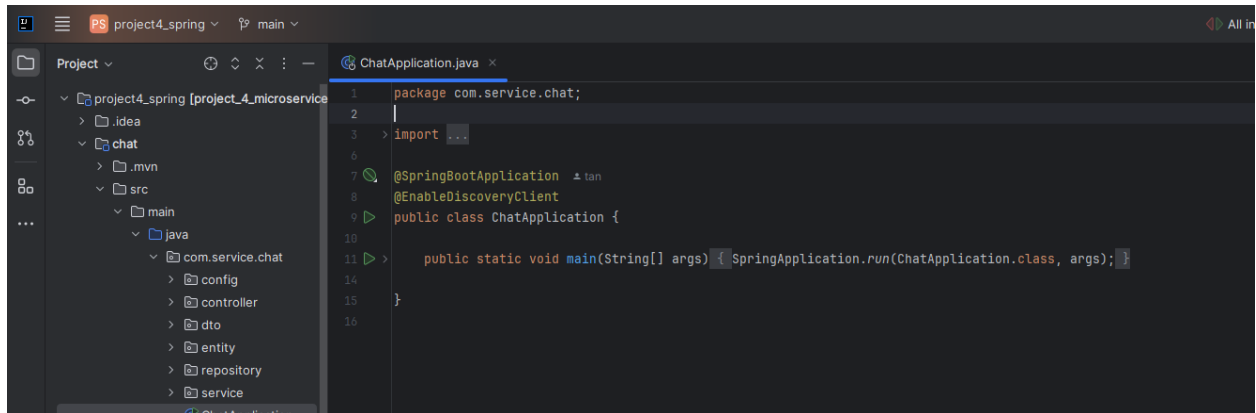


- Go to file application.properties and replace: mysql_url, username, password corrective to your MySql database



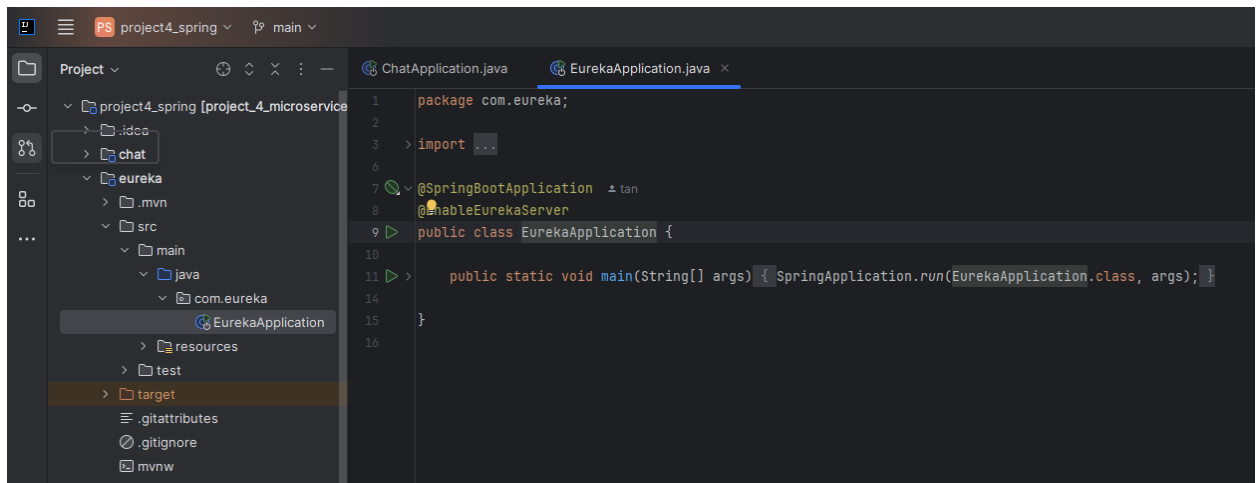
- Run ChatApplication service

src > main > java > ChatApplication and click on the Run button



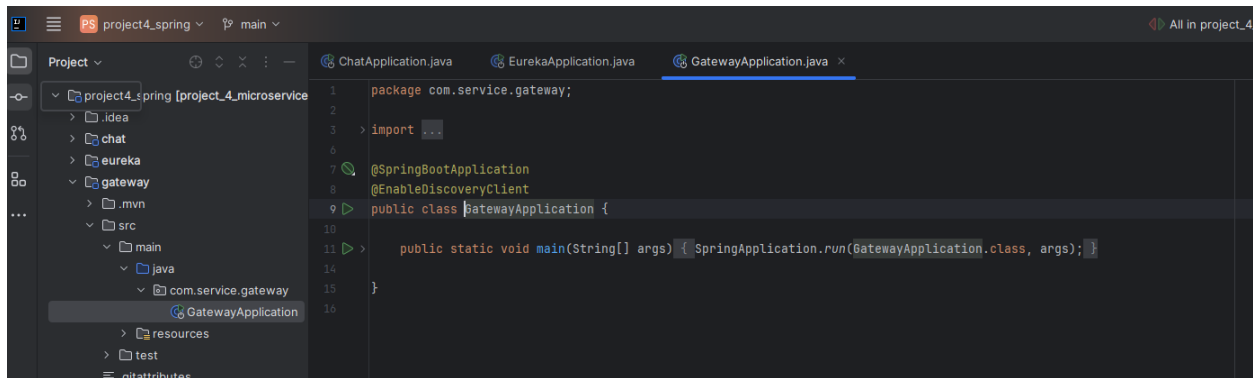
- Run EurakaApplication service

src > main > java > EurakaApplication and click on the Run button



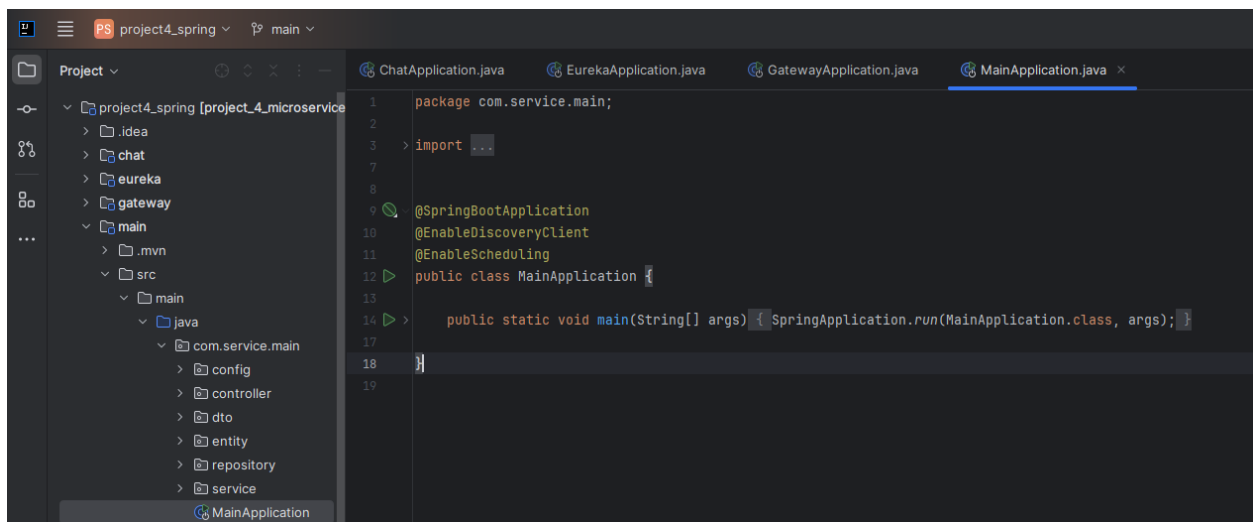
- Run GatewayApplication service

src > main > java > GatewayApplication and click on the Run button

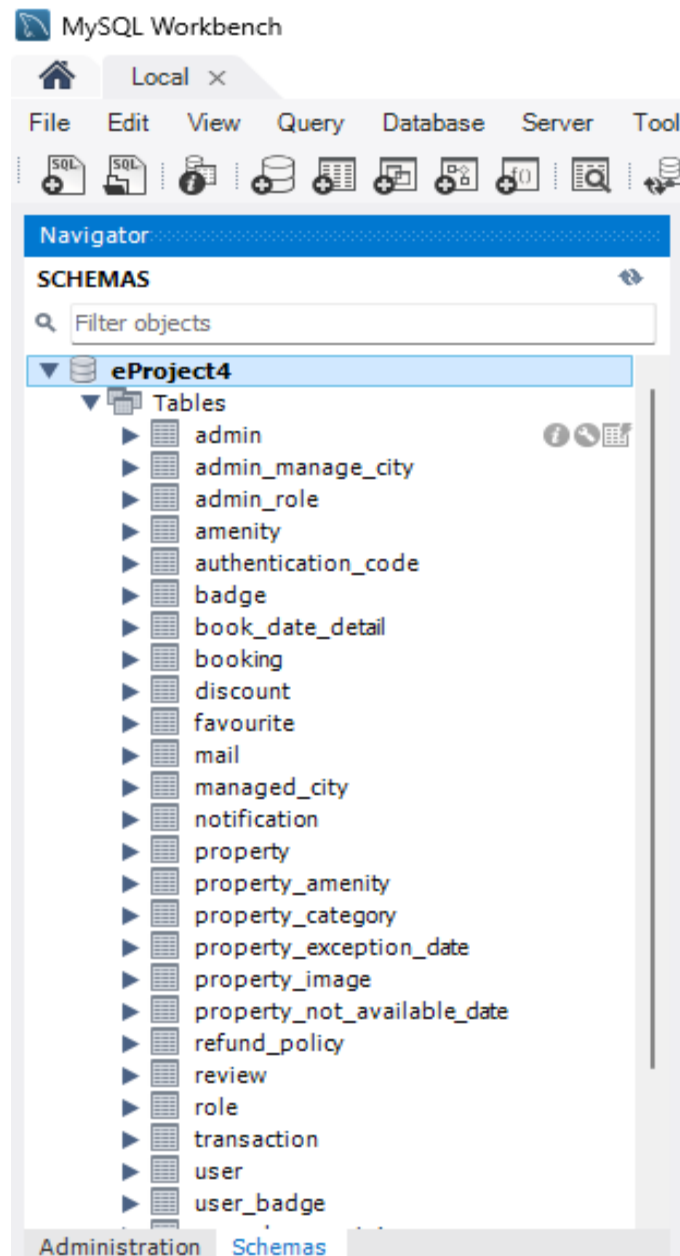


- Run MainApplication service

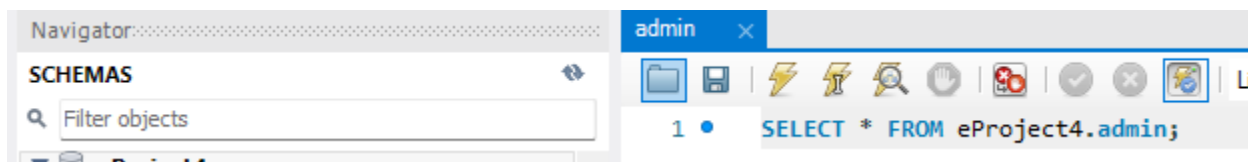
src > main > java > MainApplication and click on the Run button

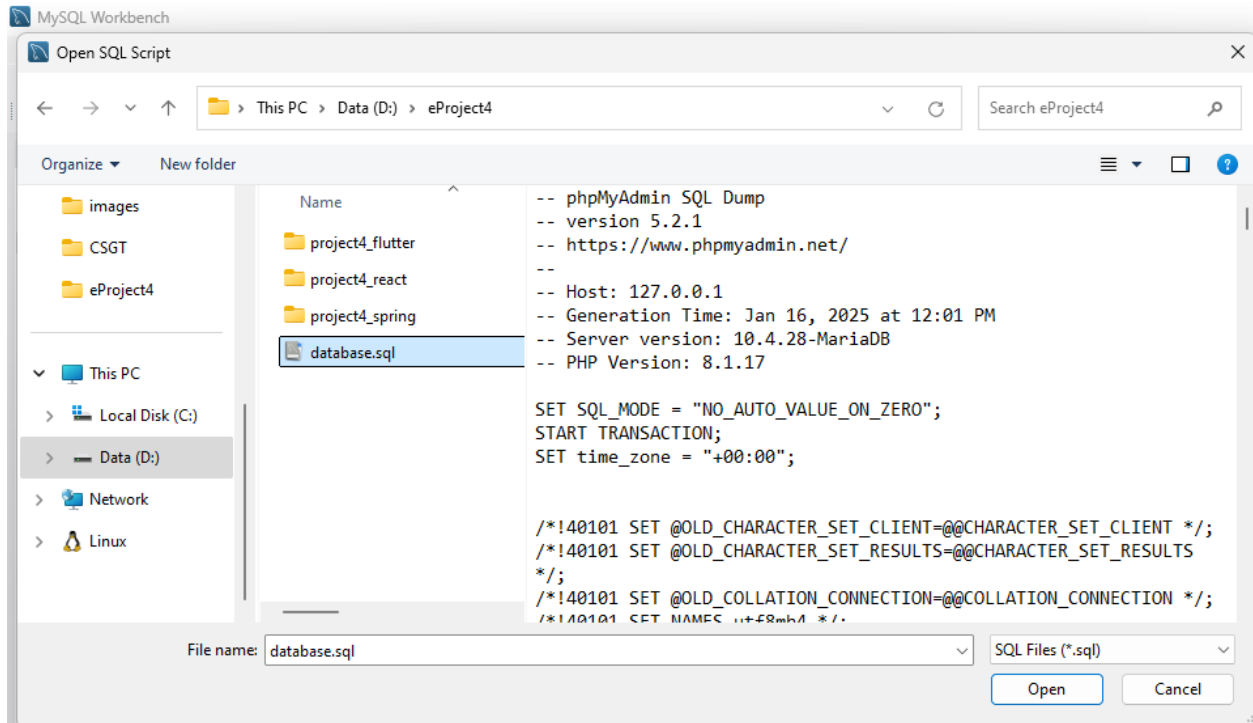


- When run successful your schema will have tables



- Double click to this Icon and select database.sql file





- Then press the Lightning button to execute query

```

database x
Limit to 1000 rows
1  -- phpMyAdmin SQL Dump
2  -- Execute the selected portion of the script or everything, if there is no selection
3  -- https://www.phpmyadmin.net/
4  --
5  -- Host: 127.0.0.1
6  -- Generation Time: Jan 16, 2025 at 12:01 PM
7  -- Server version: 10.4.28-MariaDB
8  -- PHP Version: 8.1.17
9  • SET foreign_key_checks = 0;
10 • SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
11 • START TRANSACTION;
12 • SET time_zone = "+00:00";
13
14
15 • /*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
16 • /*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
17 • /*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
18 • /*!40101 SET NAMES utf8mb4 */;
19
20 --
21 -- Database: `project4`
22 --
23
24 --

```

Once the data is inserted successfully, you will see an image like this

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1363	02:07:44		870 row(s) affected Records: 870 Duplicates: 0 Warnings: 0	0.015 sec
1364	02:07:44		867 row(s) affected Records: 867 Duplicates: 0 Warnings: 0	0.000 sec
1365	02:07:44		866 row(s) affected Records: 866 Duplicates: 0 Warnings: 0	0.016 sec
1366	02:07:44		860 row(s) affected Records: 860 Duplicates: 0 Warnings: 0	0.016 sec
1367	02:07:44		870 row(s) affected Records: 870 Duplicates: 0 Warnings: 0	0.000 sec
1368	02:07:44		874 row(s) affected Records: 874 Duplicates: 0 Warnings: 0	0.000 sec
1369	02:07:44		860 row(s) affected Records: 860 Duplicates: 0 Warnings: 0	0.016 sec
1370	02:07:44	INSERT INTO `book_date_detail` (`id`, `night`, `price`, `booking_id`, `property_id`) VALUES (2296607, '2022-04-22 00:00:00.000000', 123, 574...	319 row(s) affected Records: 319 Duplicates: 0 Warnings: 0	0.000 sec
1371	02:07:44	INSERT INTO `favourite` (`collection_name`, `created_at`, `updated_at`, `property_id`, `user_id`) VALUES (my best, '2025-01-13 17:16:17.000...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.000 sec
1372	02:07:44	INSERT INTO `mail` (`id`, `body`, `created_at`, `files`, `is_send`, `send_date`, `subject`, `to`, `to_id`) VALUES (8, 'pooooooooooooooooooooooooo...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.000 sec
1373	02:07:44	INSERT INTO `managed_city` (`id`, `city_name`, `is_managed`) VALUES (187, 'Thành phố Hà Nội', b'1'), (188, 'Tỉnh Hà Giang', b'0'), (189, 'Tĩn...	63 row(s) affected Records: 63 Duplicates: 0 Warnings: 0	0.016 sec

Now turn back to website and see the result

Place to stay

Location

Where are you going ?

Check in

Add dates

Check out

Add dates

Guests

Add guests

Golf

Tiny Homes

Amazing views

Pools

Mansions

Amazing pools

Design

Cabin

Icons

Rooms

Gr

Filter

The Chill House ★4.37
Quận 7, Thành phố Hồ Chí Minh
\$ 101 /night

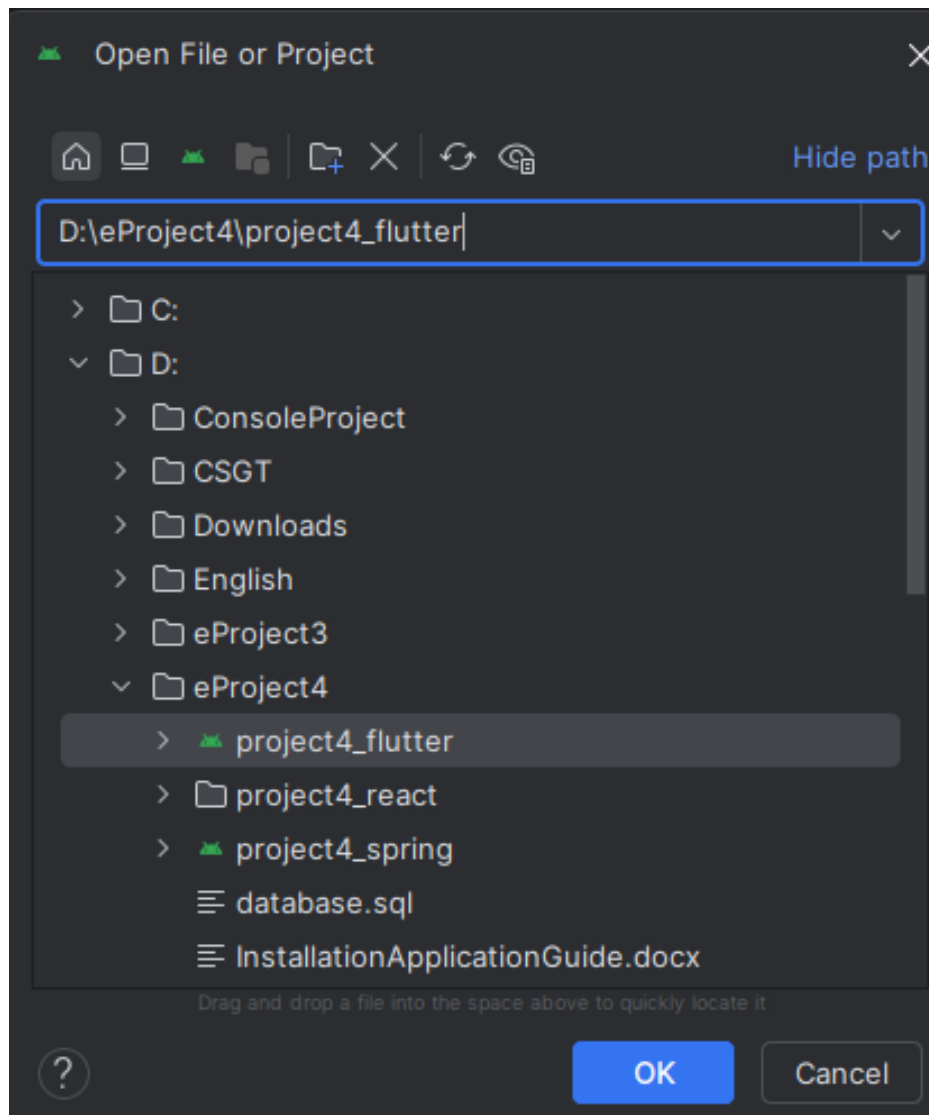
The Retreat House ★4.37
Quận Bình Thạnh, Thành phố Hồ Ch
\$ 109 /night

The Luxe Retreat ★4.37
Thành phố Thủ Đức, Thành phố Hồ
\$ 116 /night

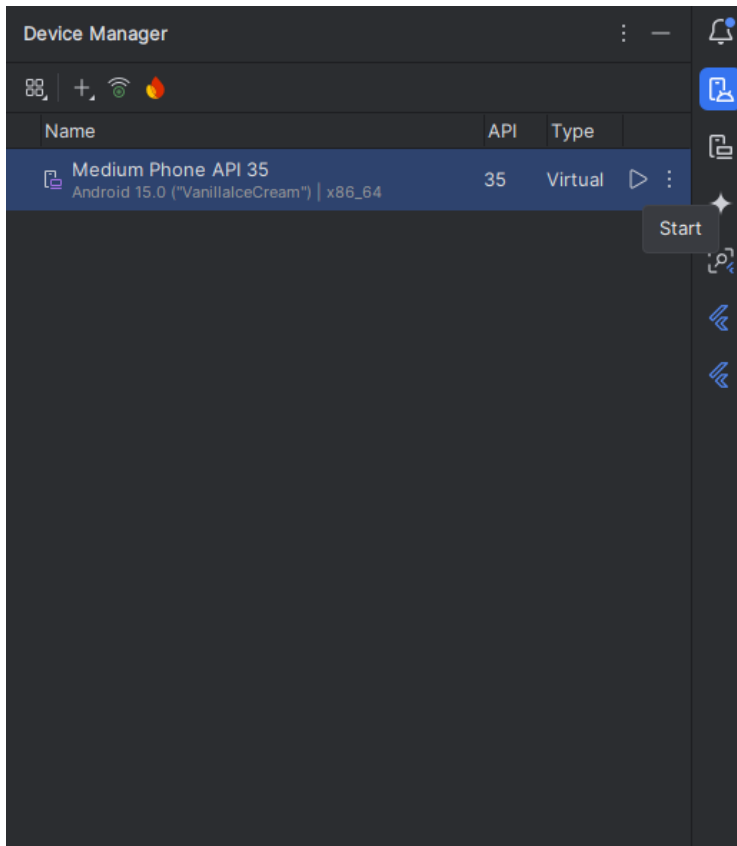
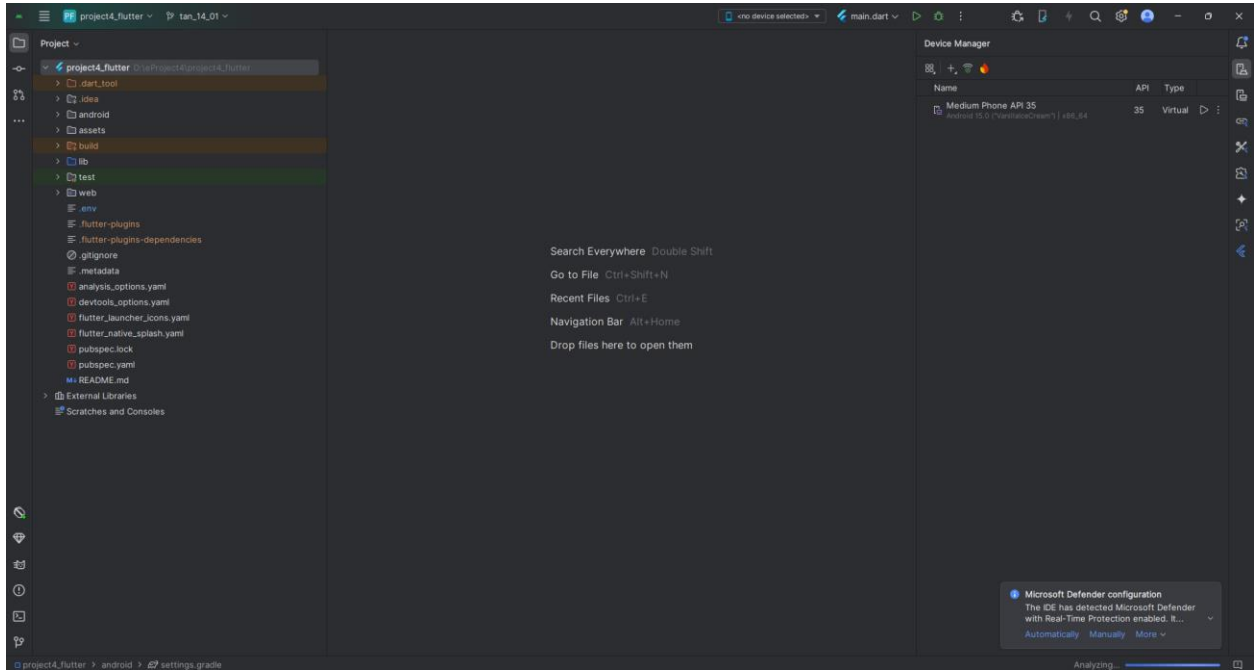
Modern Escape ★4.36
Quận Tân Bình, Thành phố Hồ Chí M
\$ 121 /night

3. Run the Flutter Application:

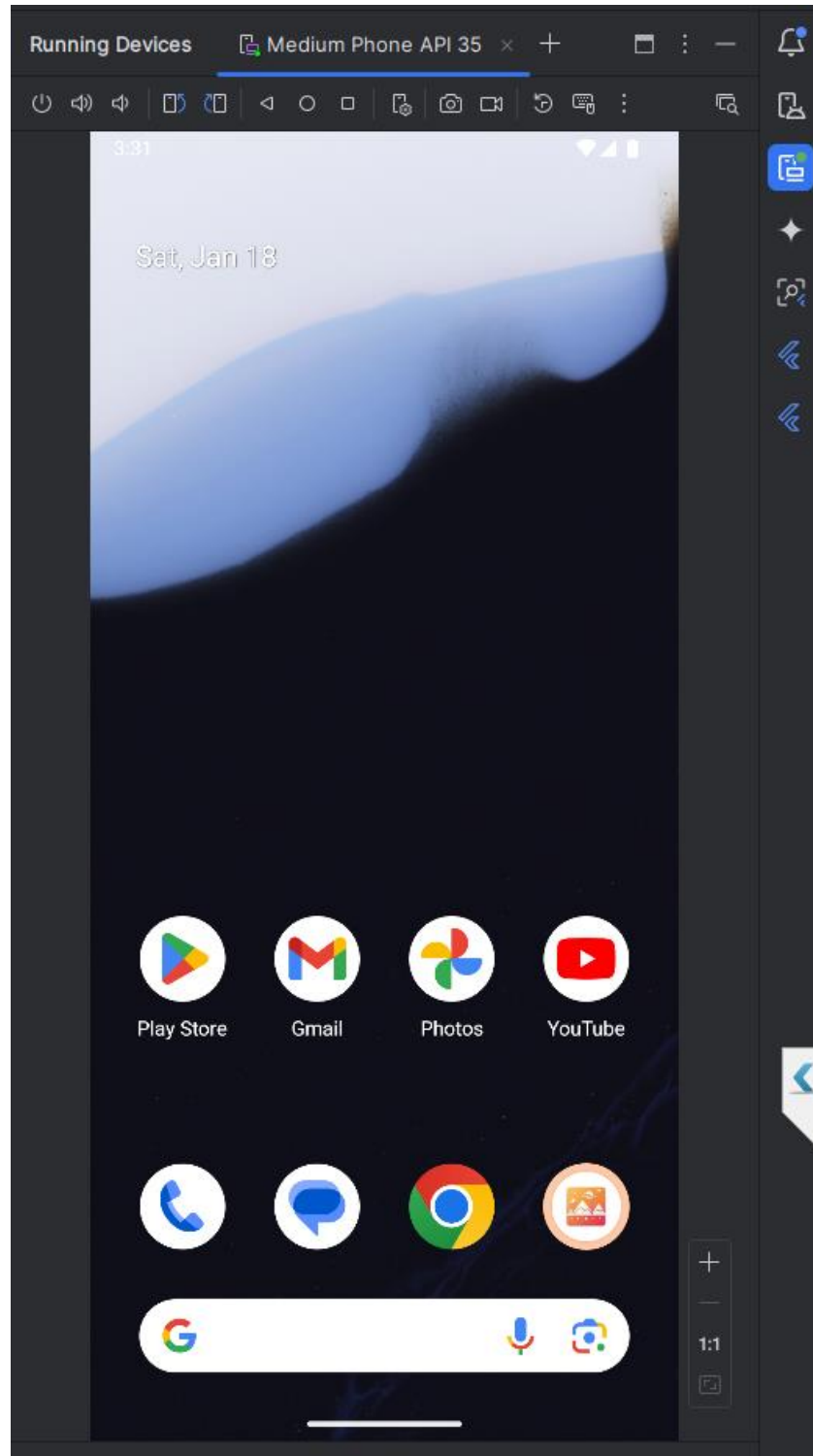
1. Open **Android Studio** and open the Flutter project folder



2. Start an **Android Emulator** (follow this guide if needed: [How to Run a Flutter App on Android Emulator? - GeeksforGeeks](#))



3. When starting success, your emulator will be show like this

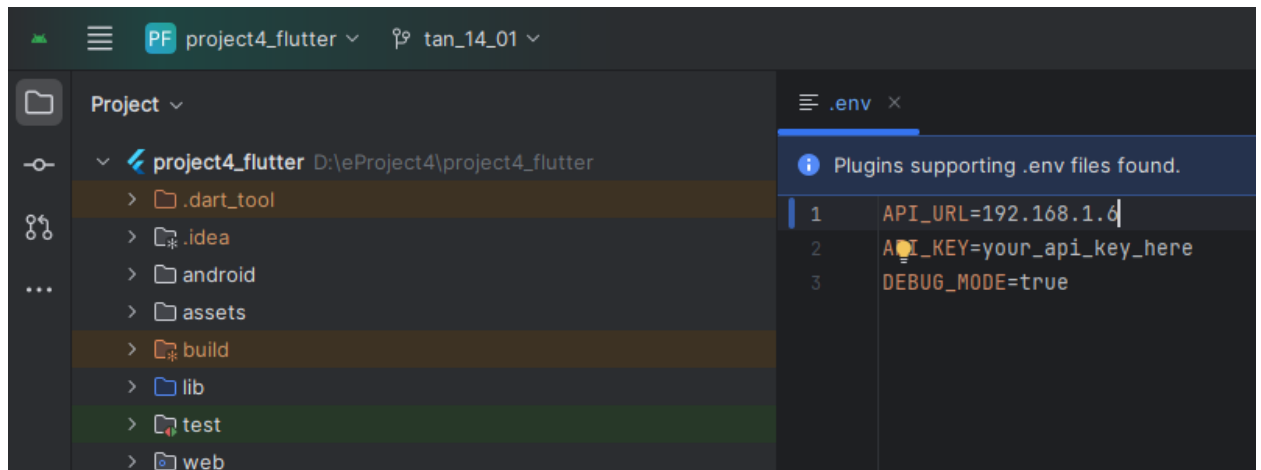


4. Configure the .env file before running

- Open cmd in Window and type **ipconfig**. Find the IPV4 Address

```
Ethernet adapter Ethernet:  
  
    Connection-specific DNS Suffix  . :  
    Link-local IPv6 Address . . . . . : fe80::5b23:d517:f046:6c1a%14  
    IPv4 Address. . . . . : 192.168.1.6  
    Subnet Mask . . . . . : 255.255.255.0  
    Default Gateway . . . . . : 192.168.1.1
```

- Then go to .env file and change API_URL equal your IPV4 address



5. After changing API_URL. Click Run button and see the result

