SRI KRISHNA COLLEGE OF TECHNOLOGY
AUTONOMOUS INSTITUTION | ACCREDITED BY NAAC WITH 'A' GRADE

# eShoppe

## Front End & Back End Development

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# 1. INTRODUCTION

"**eShoppe**" is an eCommerce website. The primary objective of site is to Buy and Sell popular brands products online. This system provides the Customer to buy & sell different products from different brands through online. This application is developed using NodeJS & ReactJS.

## *1.1. PROJECT DESCRIPTION*

First, I read the project given to me checked what to be done and download the required the requirement to the system to use the ReactJS and NodeJS.
-> node-server
## Setup

### Overview

1. Install prerequisites.
2. Clone the repository.
3. Install project dependencies.
4. Setup database and database user.
5. Define environment variables.
6. Run unit tests (just to make sure it all works).
7. Run the application.

### Prerequisites

- Node:
For windows [https://nodejs.org/en/download/package-manager/#windows]
For ubuntu [https://www.digitalocean.com/community/tutorials/how-to-install-node-js-on-ubuntu-20-04]
For macos [https://nodejs.org/en/download/package-manager/#macos]
- Yarn:
For windows [https://www.liquidweb.com/kb/how-to-install-yarn-on-windows/]
For ubuntu [https://linuxize.com/post/how-to-install-yarn-on-ubuntu-20-04/]
For macos [https://tecadmin.net/install-yarn-macos/]
- MYSQL:
Mysql workbench [https://dev.mysql.com/downloads/workbench/]
- Mysql Client:
For windows:
[https://www.microfocus.com/documentation/idol/IDOL_12_0/MediaServer/Guides/html/English/Content/Getting_Started/Configure/_TRN_Set_up_MySQL.htm]
For Ubuntu [https://www.digitalocean.com/community/tutorials/how-to-install-mysql-on-ubuntu-20-04]
For macos [https://flaviocopes.com/mysql-how-to-install/]
- Visual Studio Code: [https://code.visualstudio.com/download]

### Clone the repository
```bash
git clone https://gitlab.com/cd-campus-hiring/node-server
```
### Install dependencies
```bash
yarn install
```
### Database
```bash
CREATE DATABASE testdb;
```
### Create .env file in the directory and update the data
```bash
DB_USERNAME=root
DB_PASSWORD=xxxxxxx
DB_DATABASE=testdb
HOST=localhost
```
### Run migration
```bash
yarn migrate
```
### To create new migration
```bash
yarn makemigration --name MIGRATION NAME
```
### To run eslint for all files.
```bash
yarn lint
```
### To run elslit with fix the error and warning automatically in all files.

```bash
yarn lint-fix
```
### To run the test
```bash
yarn test
```
### Run the application
```bash
yarn start
```
You can access the API via [**http://localhost:9000**](http://localhost:9000).

### Available api

To get Login User credentials [http://localhost:9000/loginUser] to get into the eShopee Application.

To get all Users [**http://localhost:9000/userlist**] to view response of all users.

To get all brands [**http://localhost:9000/brands**] to view response of Brands List.

To get all products [**http://localhost:9000/products**] to view response of all the products list.

To get all accounts [http://localhost:9000/account] to view response of all the Accounts list.

To get account details [http://localhost:9000/account/details] to view sample response of account details.

->React Client
Open the git page of react-client and cloned with git link in command prompt at project directory file.
Then installed some packages(npm install).
After installing, we start it and (npm start) and app gets loaded.

#### 1.1.1. Software

The following software required need to be installed for the "eShoppe" eCommerce Web Site development.

- NodeJS
- ReactJS
- MySQL

#### 1.1.2. My Task

I have studied the task that you have given to me and understood and downloaded the server that you provided us and tried to run that server and client.

In front end development, I used ReactJS and .css to create and design the page with the images you provided us for making the webpage as you stated as an example. The following pages has been designed and developed.

- Page#1: I created and designed the login and register page which has email and password for login. If the customer doesn't know the password he can give forget password . and if he is not registered he can sign up in below hyperlink.

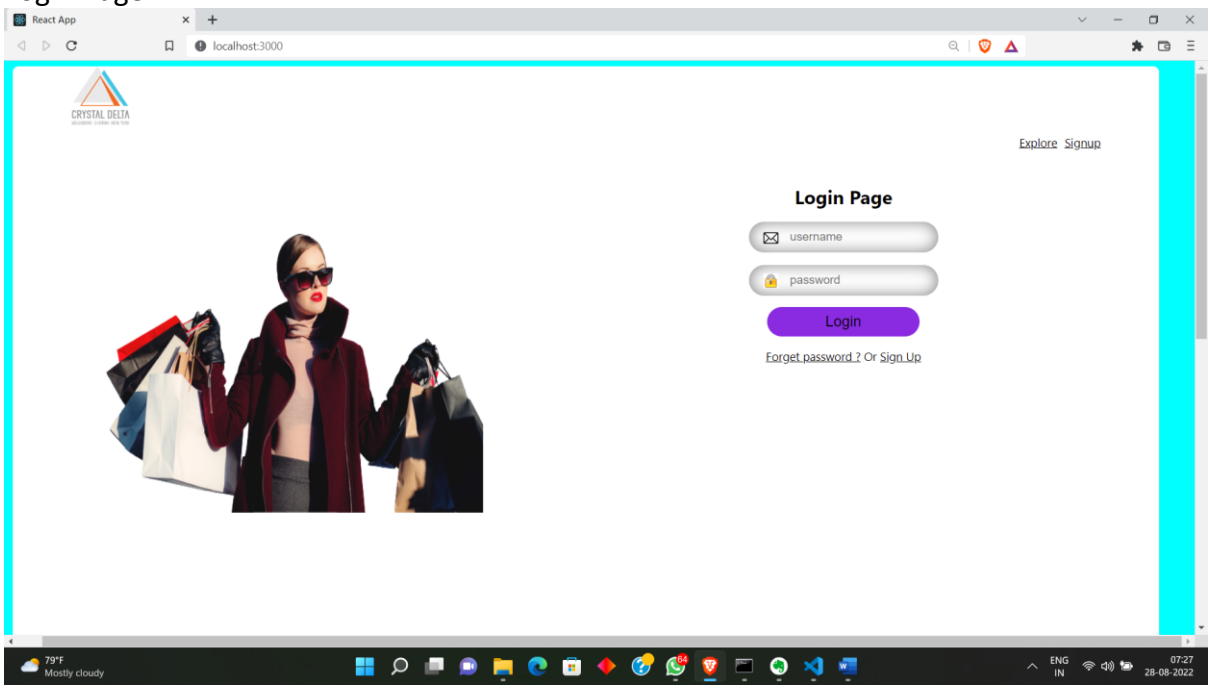
- Page#2: I created the Home page which contains the type of products and recommendation on this page. And the Popular Brands gets displayed at the bottom of the page.
- Page#3: I created the Explore Page where we can explore all products that are available in the eshoppe for purchasing that is add to my cart.
- Page#4: I created the popup page that the items which are all in the cart from the explore page where we get checkout.
- Page#5: I created the Order successful an rating page where after checkout and payment we again receive a popup message as order successful and give ratings.

## *1.2. FRONT END DEVELOPMENT*

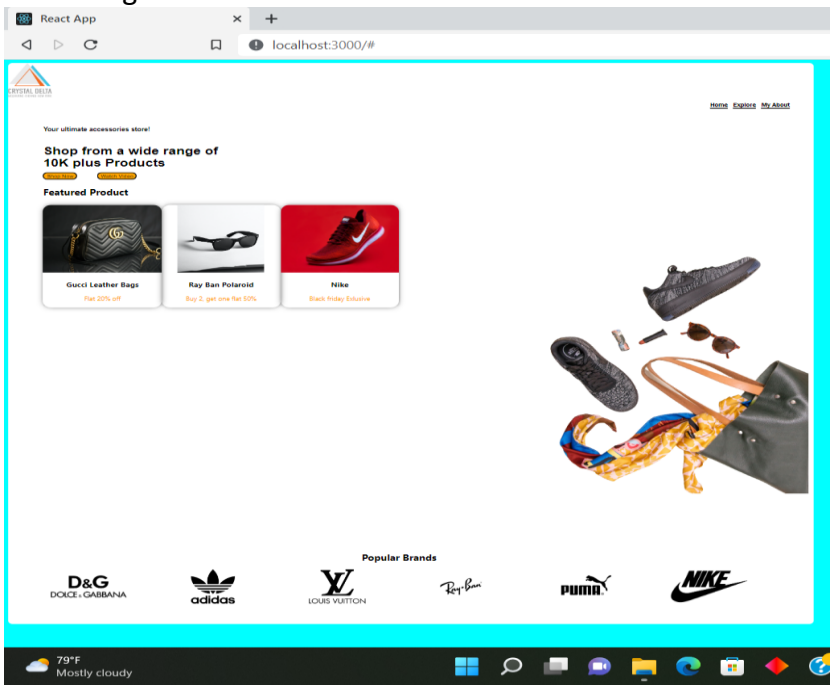
For the front-end development, I used ReactJS and CSS to create and design the pages.

### 1.2.1. Front End Screens

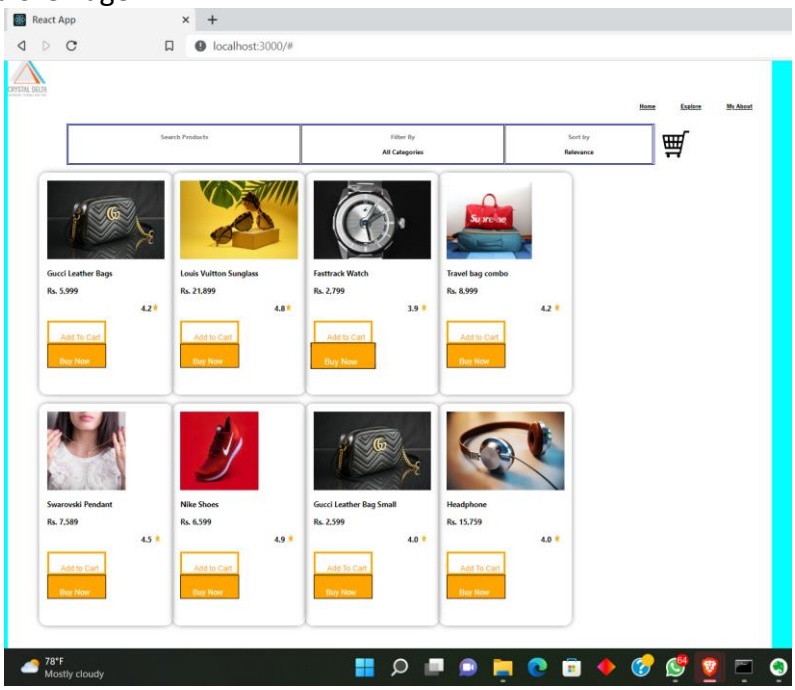
1) Login Page



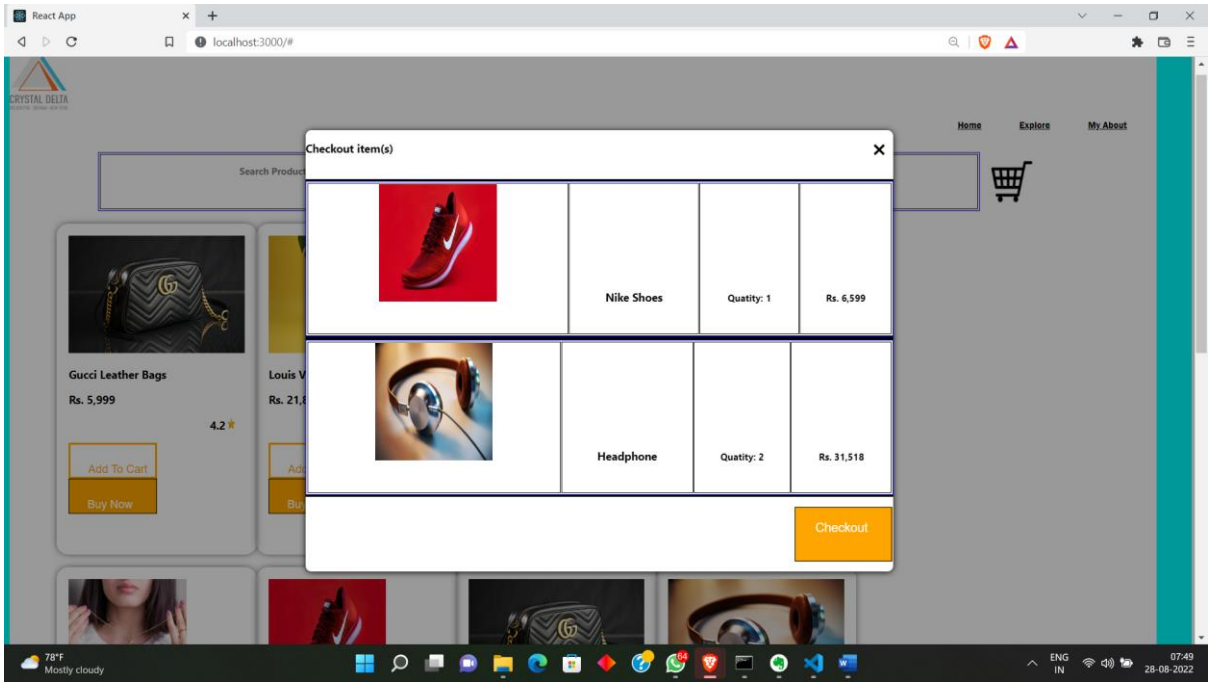
2) Home Page



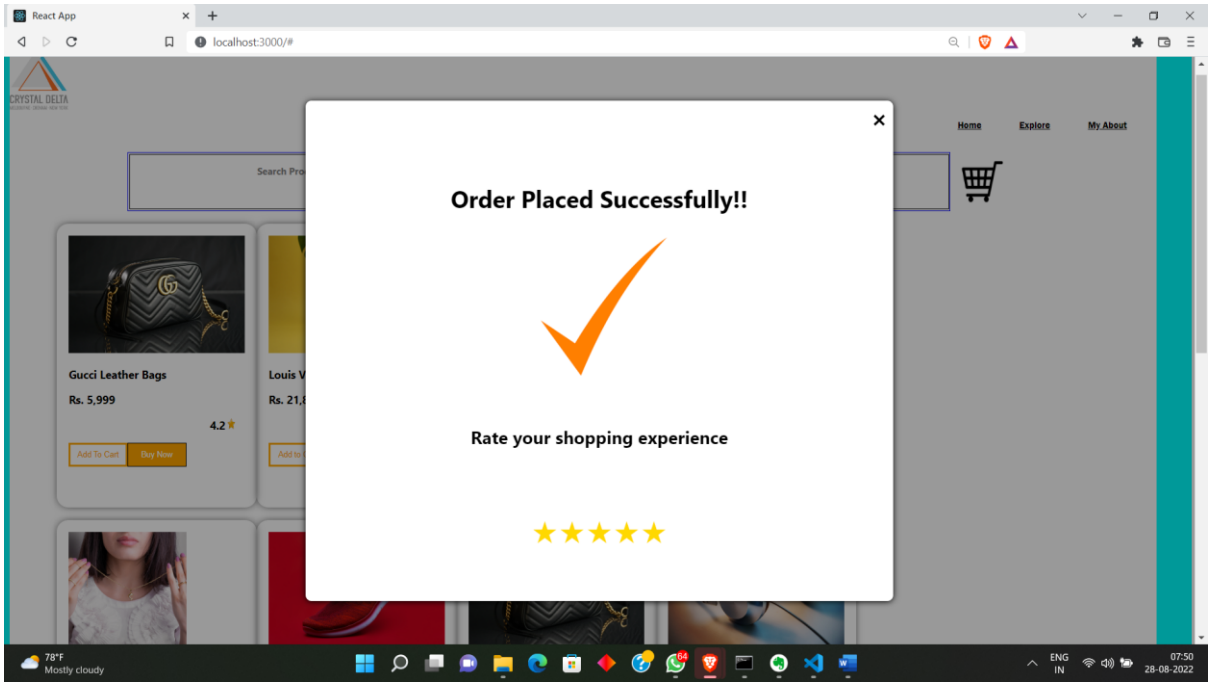

3)Explore Page



4)Checkout Popup




5)Order successful and rating popup

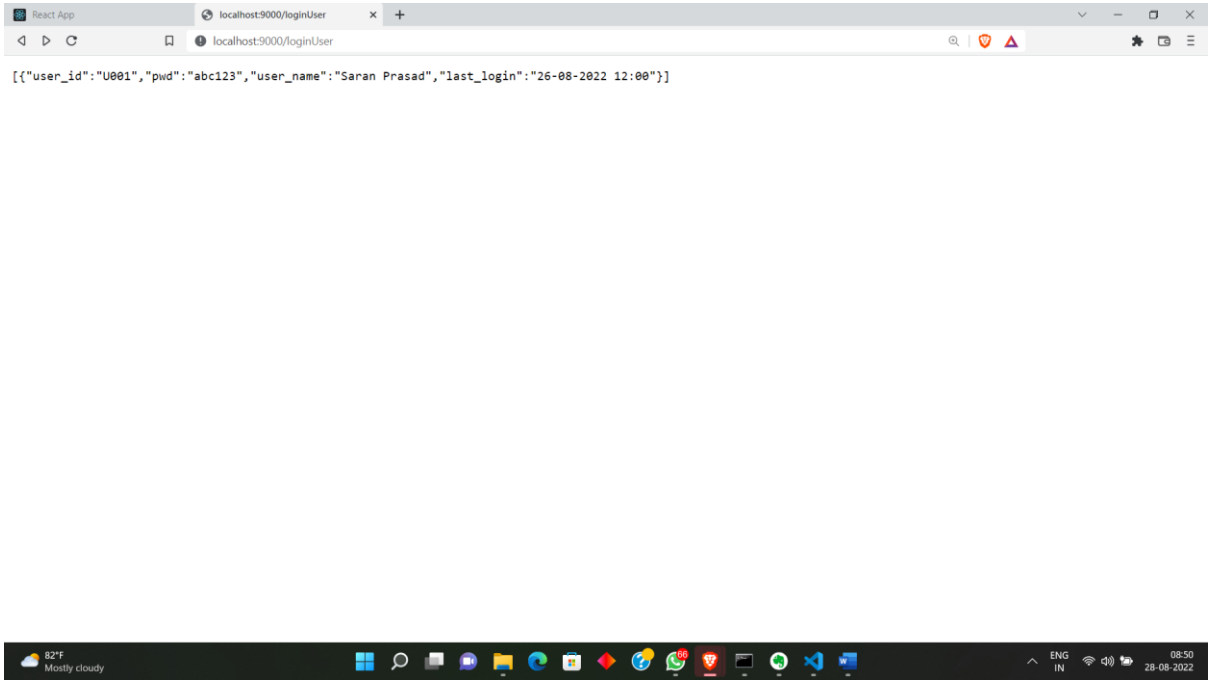


## 1.3. *BACK-END DEVELOPMENT*

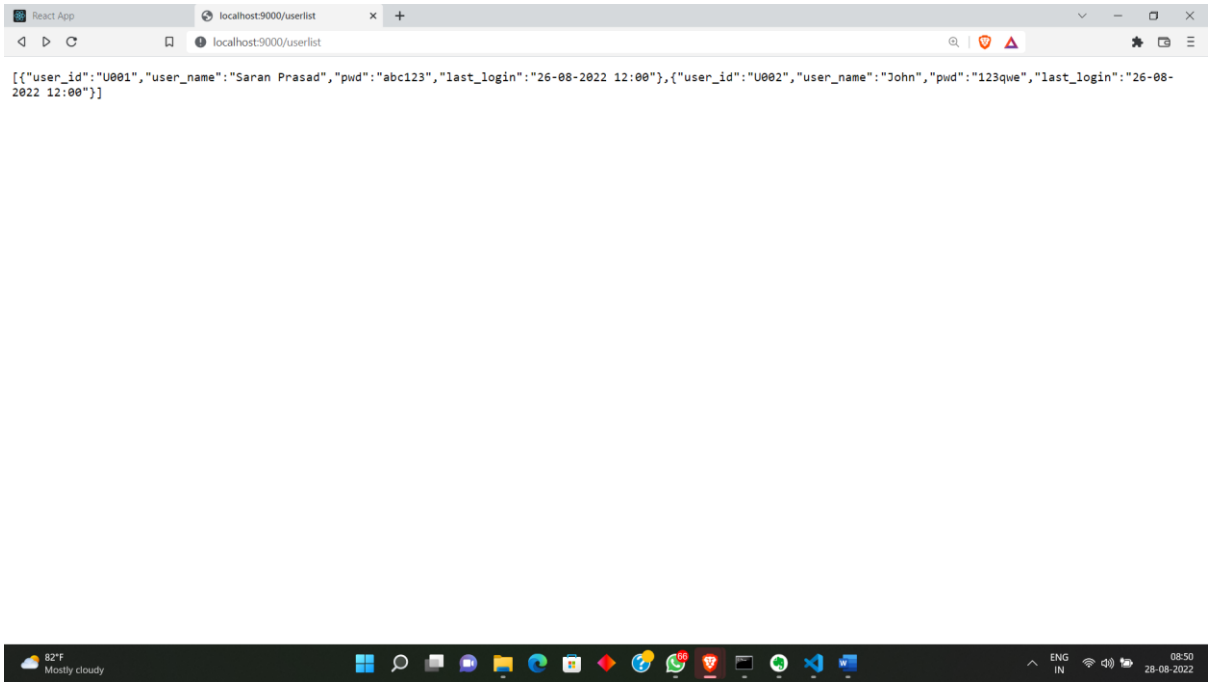
The back-end development, I used the NodeJS where I created APIs for the pages. Currently, the data fetched from static JSON File. In future it will be stored and fetched from database MYSQL.

### 1.3.1. Back End API Services

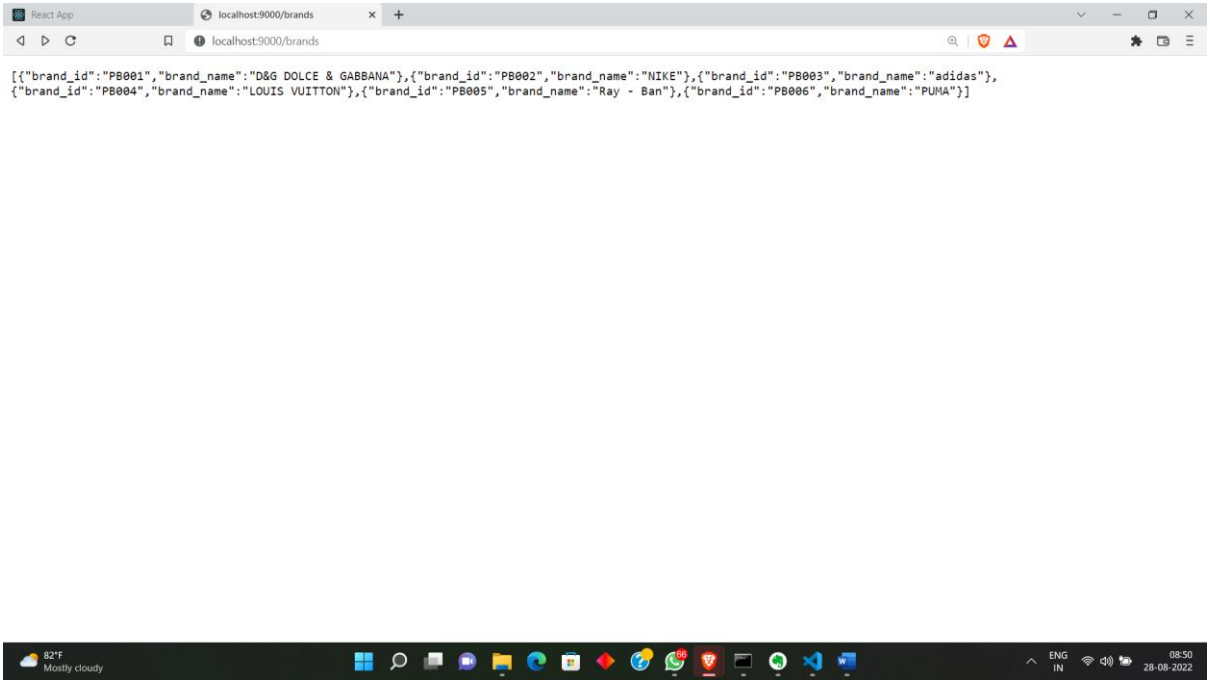
1)Login



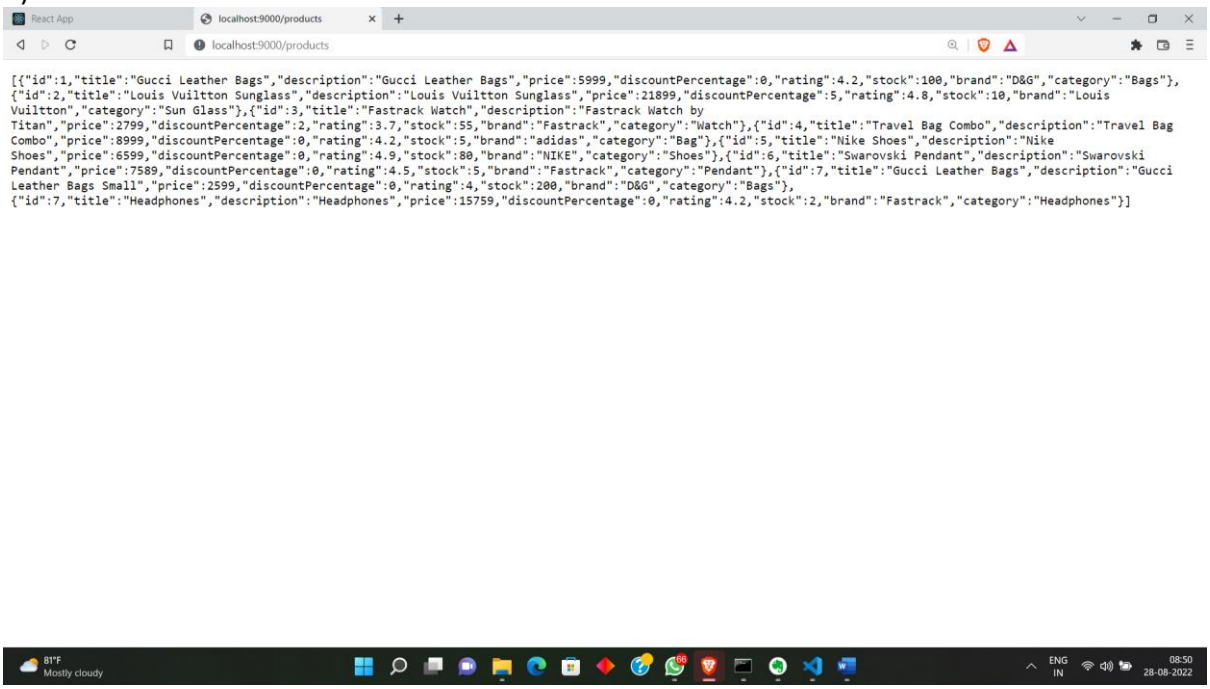
2)User Lists




3)Brands



4)Products




## *1.4. CONCLUSION*

I have done this project at the time you provide and as of I have done as much as I can do in the time span given.