DBMS PROJECT
ECOMMERCE PLATFORM

NOTE : There is a "video" of the working project included in the zip folder which nicely shows the working of the project.

Steps to Setup the Project and run it :

Step 1 :
Install Node.js on your system, it can be downloaded from https://nodejs.org/en/download/

Step 2:
Now navigate to the folder that contains the file 'app.js' and open command prompt (cmd) there and run the command npm install.
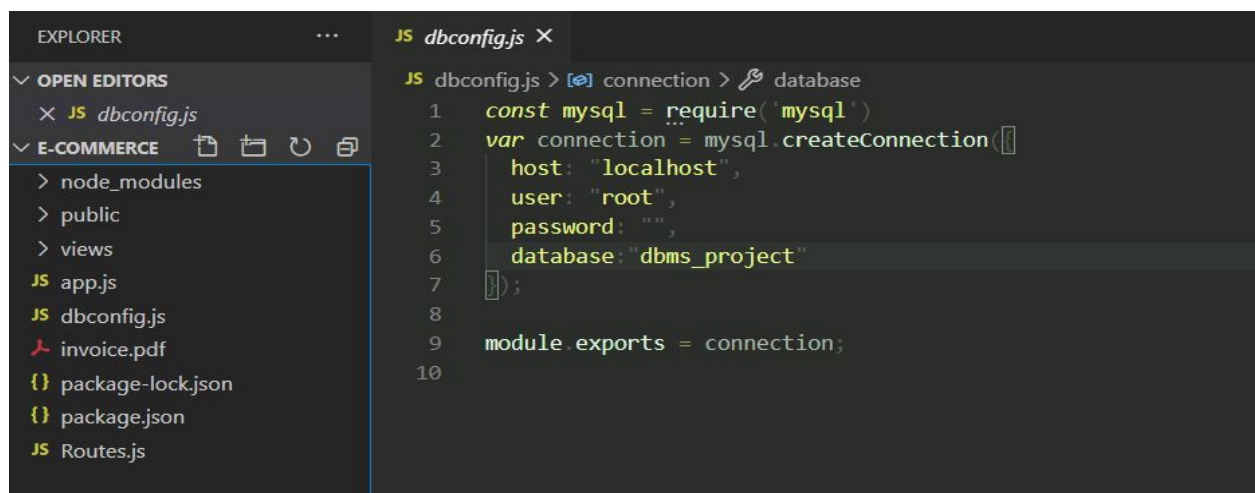
Step 3:
Import the database into MYSQL which is present as the name "dbms_project" in the folder, make sure to edit the dbconfig file where you provide the correct SQL credentials.

To import database into mysql follow these steps :
 a) Open MYSQL and then create a new database named "dbms_project".
 b) Open command prompt as Administrator.
 c) Navigate to the following path C Drive => Program Files => MYSQL => bin folder.
 d) Run the following command
    mysql -h 127.0.0.1 -u root -p dbms_project < "Enter the path of the folder containing the dump file"/dbms_project.sql.
 e) If confused you can refer to this video https://www.youtube.com/watch?v=sJ64ZiB6PUU at 9.10 (9 minutes 10 seconds).

NOTE : import the database dump file with the same name as provided, or change the database option in the "dbconfig.js" file. Make sure to have the correct "user" and "password" in the dbconfig file.

```js
const mysql = require('mysql')
var connection = mysql.createConnection({
  host: "localhost",
  user: "root",
  password: "",
  database: "dbms_project"
});

module.exports = connection;
```

Step 4 : Go to the folder containing app.js and run the command "npm start".
Step 5 : Go to your browser and type "localhost:8080" in the search bar and the project starts.

Tables used in the Project.

Users :

```
mysql> select * from users;
+------------+----------+------------------------------+---------+--------+
| username   | password | email                        | country | gender |
+------------+----------+------------------------------+---------+--------+
| sarthak123 | password | sarthakgupta3661@gmail.com   | India   | Male   |
| user2      | 1234     | guptasarthak451@gmai.com     | India   | Male   |
+------------+----------+------------------------------+---------+--------+
2 rows in set (0.00 sec)
```

Products :

```
mysql> select * from products;
+-----------+-------------+--------------+---------------+----------------------------------------------------------------------------------------------------------------------------------------------+
| productId | productName | productPrice | productRating | productURL                                                                                                                                   |
+-----------+-------------+--------------+---------------+----------------------------------------------------------------------------------------------------------------------------------------------+
|         1 | Camera      |       199.99 |             4 | https://cdn.shopify.com/s/files/1/0070/7032/files/camera_56f176e3-ad83-4ff8-82d8-d53d71b6e0fe.jpg?v=1527089512                                |
|         2 | Bag         |        99.99 |             3 | https://img.pixelz.com/blog/using-product-images-on-ecommerce-site/ecommerce-sites1.jpg?w=1000                                               |
|         3 | DSLR        |         1000 |             5 | https://images.unsplash.com/photo-1596265371388-43edbaadab94?ixlib=rb-1.2.1&ixid=eyJhcHBfaWQiOjEyMDd9&auto=format&fit=crop&w=334&q=80         |
|         4 | Laptop      |      1199.99 |             4 | https://images.unsplash.com/photo-1592839962050-030ef9221225?ixlib=rb-1.2.1&ixid=eyJhcHBfaWQiOjEyMDd9&auto=format&fit=crop&w=1189&q=80        |
|         5 | SunGlasses  |       199.99 |             4 | https://images.unsplash.com/photo-1589782182703-2aaa69037b5b?ixlib=rb-1.2.1&ixid=eyJhcHBfaWQiOjEyMDd9&auto=format&fit=crop&w=967&q=80         |
|         6 | USB Drive   |        10.99 |             2 | https://images.unsplash.com/photo-1589447388175-ac47d31be950?ixlib=rb-1.2.1&ixid=eyJhcHBfaWQiOjEyMDd9&auto=format&fit=crop&w=1950&q=80        |
|         7 | Coffee Mug  |        12.99 |             3 | https://images.unsplash.com/photo-1489533119213-66a5cd877091?ixlib=rb-1.2.1&ixid=eyJhcHBfaWQiOjEyMDd9&auto=format&fit=crop&w=1051&q=80        |
|         8 | Coffee Mug  |        10.99 |             4 | https://res.cloudinary.com/dxivtqnri/image/upload/c_fill,f_auto,g_auto,h_563,q_50,w_750/v1564048383/Inner_image_1.jpg                         |
|         9 | Journal     |         5.99 |             4 | https://res-3.cloudinary.com/dxivtqnri/image/upload/c_fill,f_auto,g_auto,h_563,q_100,w_750/v1598528718/notebook_HPI_Printo_home_carousel.jpg |
|        10 | Cap         |         7.99 |             5 | https://res.cloudinary.com/dxivtqnri/image/upload/c_fill,f_auto,g_auto,h_563,q_100,w_750/v1574233289/Line_caps_Grey.jpg                       |
|        11 | Headphones  |       120.99 |             3 | https://res.cloudinary.com/dxivtqnri/image/upload/c_fill,f_auto,g_auto,h_563,q_100,w_750/v1576729957/UG_-_Bass_Pro_2.jpg                      |
|        12 | Pen         |         4.99 |             4 | https://res.cloudinary.com/dxivtqnri/image/upload/c_fill,f_auto,g_auto,h_563,q_100,w_750/v1575522608/801_SN_GP_Roller_Pen_1.png              |
+-----------+-------------+--------------+---------------+----------------------------------------------------------------------------------------------------------------------------------------------+
12 rows in set (0.00 sec)
```

Orders :
This table holds the details of the items which are in the cart of the various users, after the order is checked out by a user, all the entries related to that orders moves to the past orders table with the order_id generated for that user.

Past Orders :

```
+------------+-----------+----------+------------+-----------------------+
| username   | productId | quantity | boughtOn   | orderId               |
+------------+-----------+----------+------------+-----------------------+
| sarthak123 |         4 |        2 | 2020-11-23 | 278193010347775880000 |
| sarthak123 |         8 |        2 | 2020-11-23 | 278193010347775880000 |
| sarthak123 |         9 |        2 | 2020-11-23 | 278193010347775880000 |
| sarthak123 |        12 |        2 | 2020-11-23 | 278193010347775880000 |
| user2      |         1 |        1 | 2020-11-23 | 654448818297224150000 |
| user2      |         2 |        1 | 2020-11-23 | 654448818297224150000 |
| user2      |         3 |        1 | 2020-11-23 | 654448818297224150000 |
| user2      |         7 |        1 | 2020-11-23 | 654448818297224150000 |
+------------+-----------+----------+------------+-----------------------+
8 rows in set (0.00 sec)
```