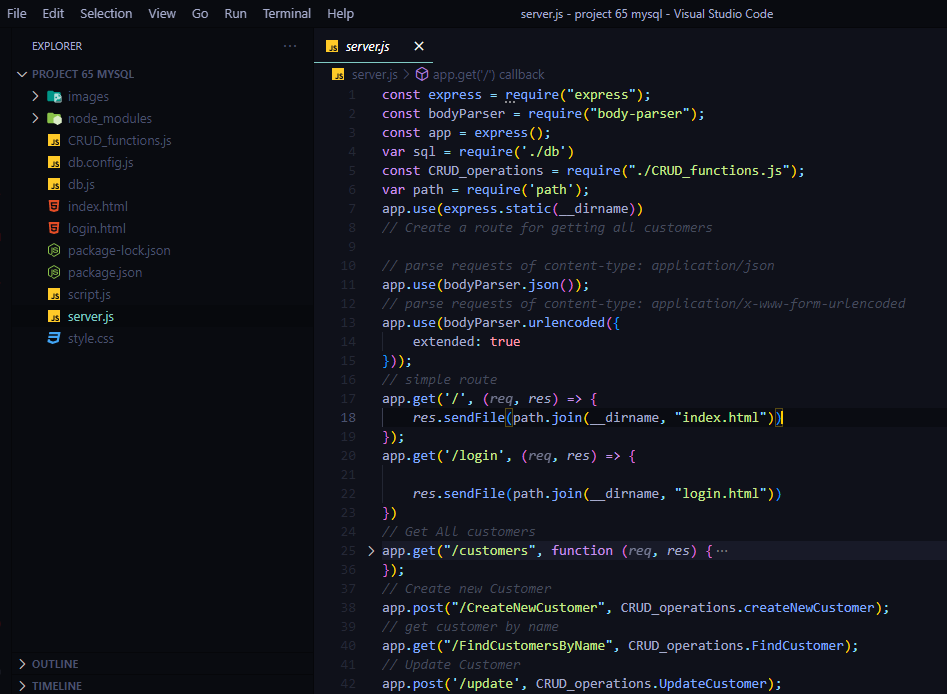
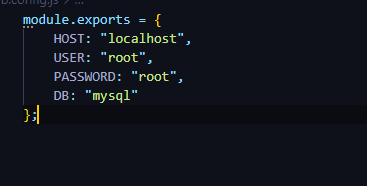
**Main Server.js File:**



* Imports all required modules and setup the static directory as root folder to pickup styles and scripts from css and js file.
* Sets up app instance of express to enable to work with get,post,put,delete and patch methods.
* Sets up multiple middlewares such as url encoded and json of express to evaluate json data coming from frontend.
* Finally make the app to listen at particular PORT of localhost.

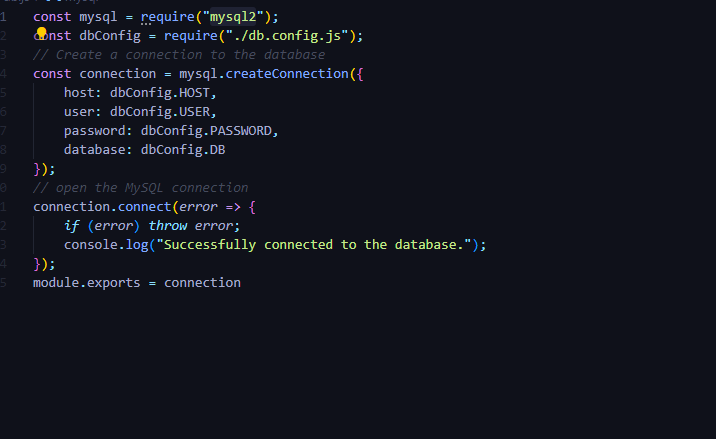
**Database Connection:**

**Database Configuration:**

****

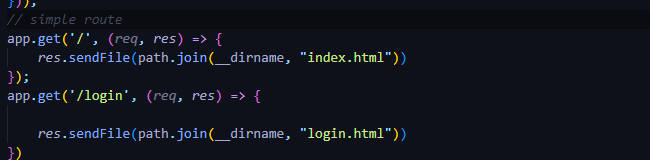
* This object has information about host,password,database name and user and this is exported for use in other files

**Database Connection:**

****

* Using config information mentioned above the app is finally connected to database using mysql2 module and upon successful connection message is displayed as “Successfully connected to database.”

**Routes to frontend:**



* Get Route to ‘/’ serves the index.html file from root directory.
* Get Route to ‘/login’ serves the login.html file from root directory.

**API’s Code:**

**Create Functionality:**



* This post route creates new customer in database and use function createNewCustomer that is defined in CRUD\_functions.js file.

Text

Description automatically generated

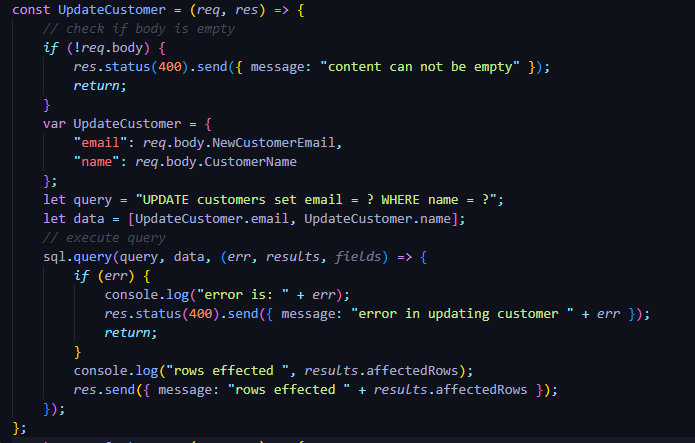
**Read:**

**Text

Description automatically generated**

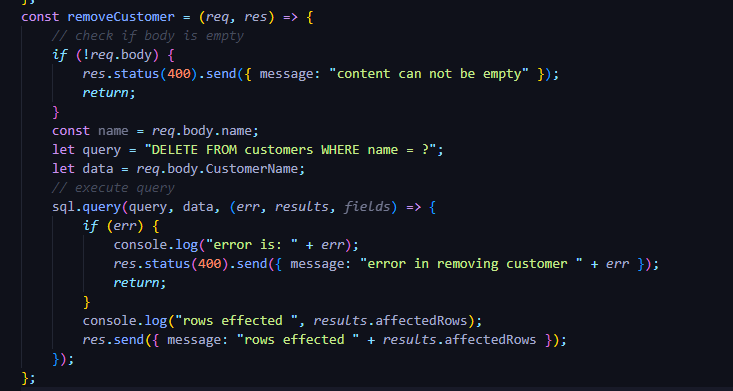
* This function is used to select a record from database using customerName property so it accomplish read function.

**Update:**

****

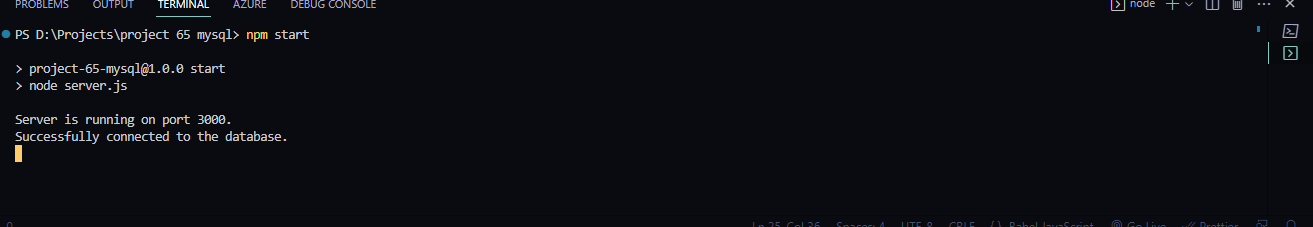
* This function updates the email of customer or name using customerName and customerEmail property passed as body.

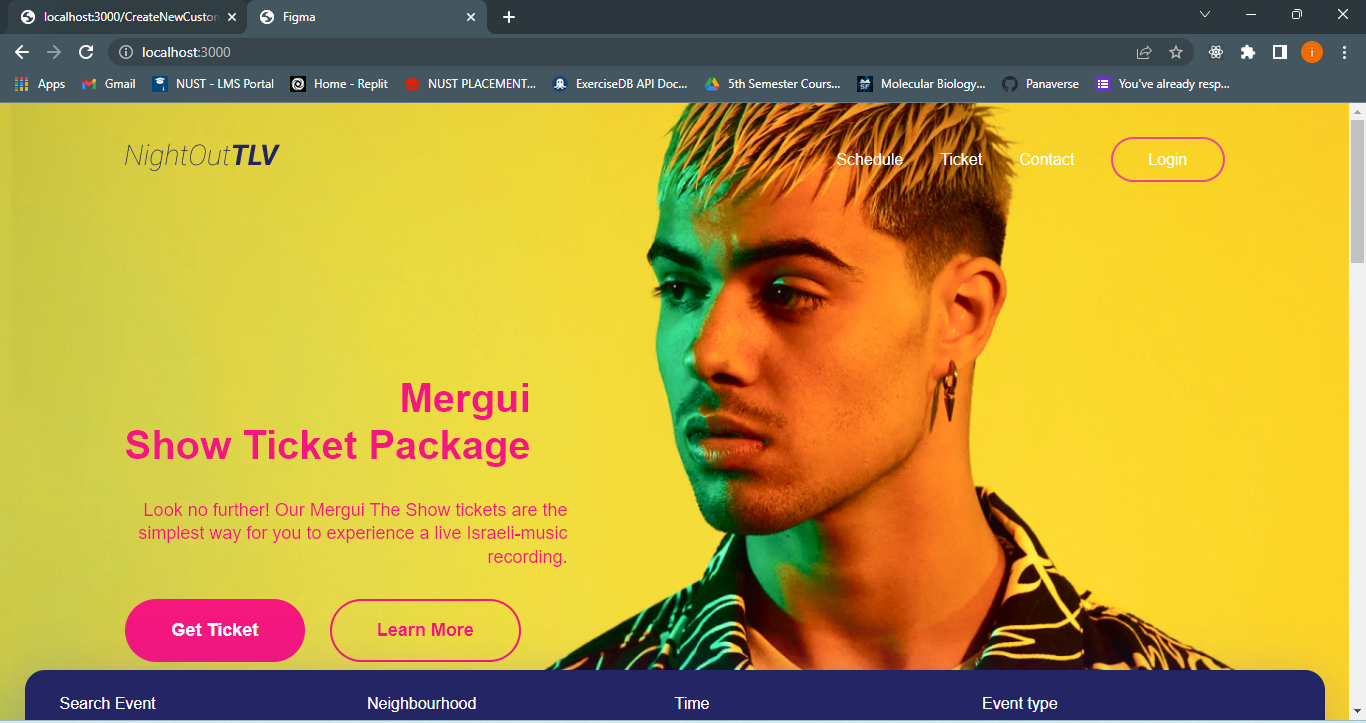
**Delete:**

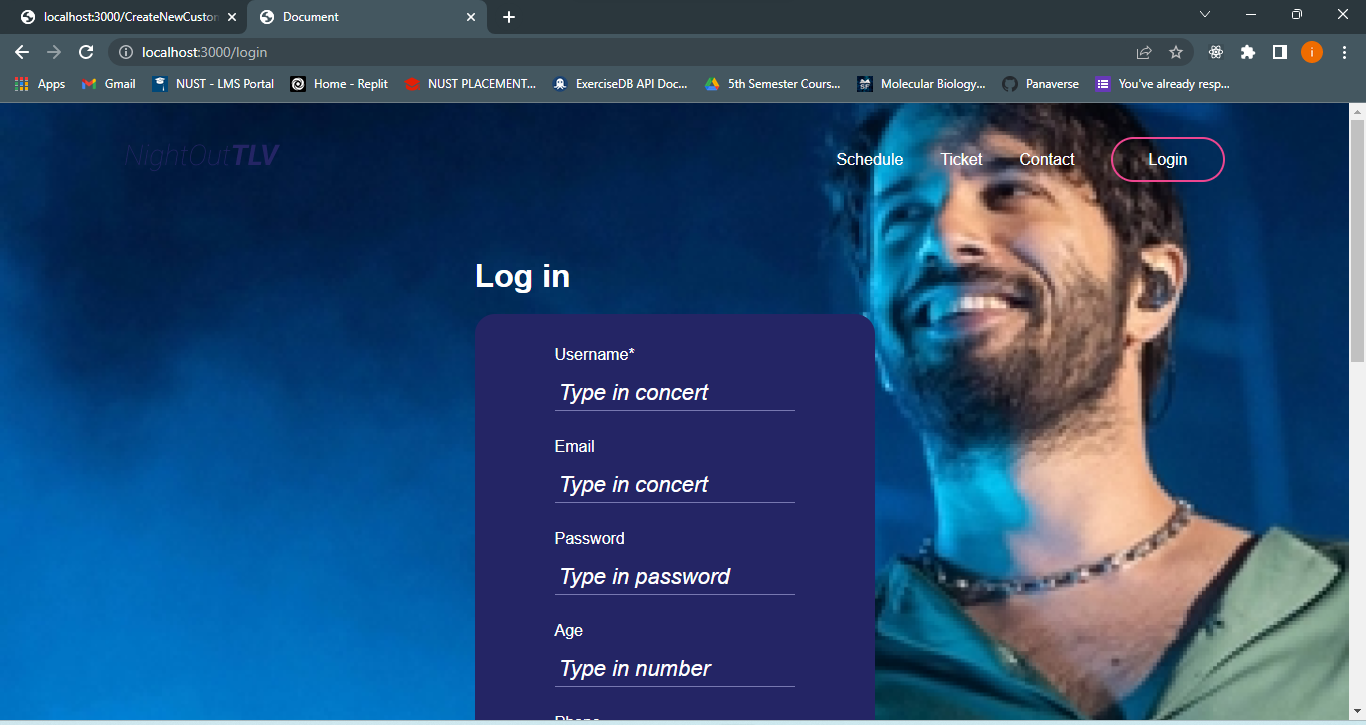
****

* This function removes a row from database based on customerName passed in body.
* Similarly removeAll function is used to remove all rows from database.

**Output Verifications:**

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****

**Graphical user interface, text, application

Description automatically generated**

**Graphical user interface, text, application

Description automatically generated**

**Graphical user interface, text, application

Description automatically generated**

**A screenshot of a computer

Description automatically generated**