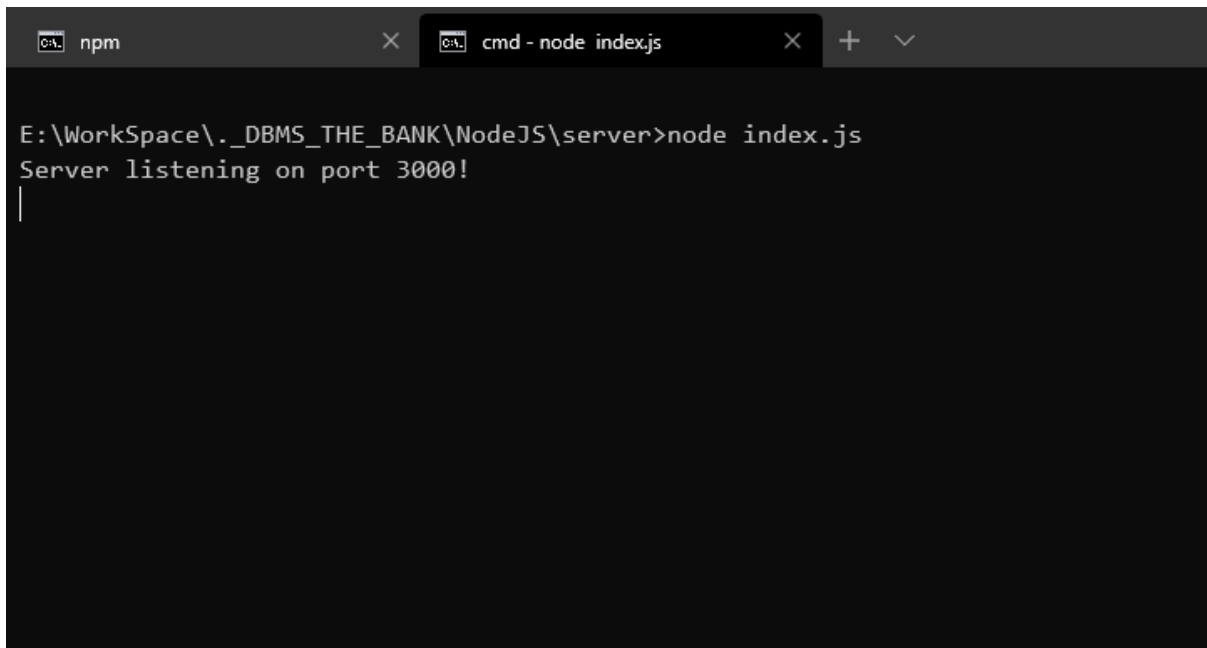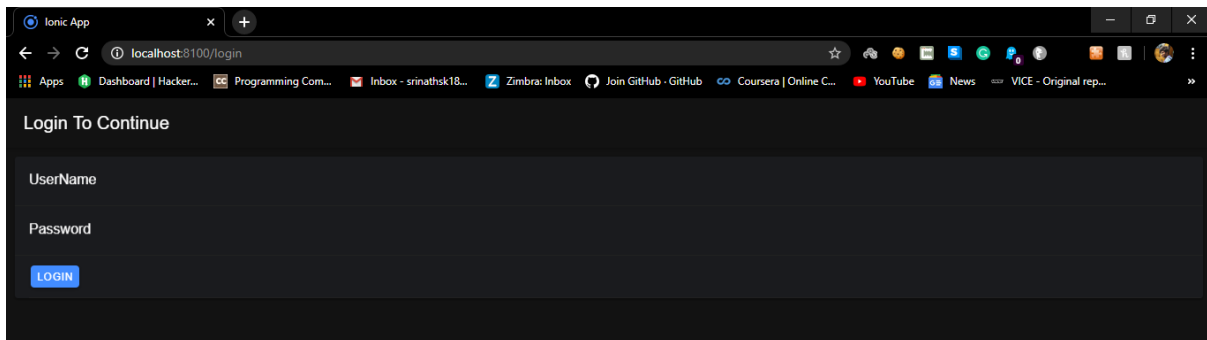After we have setup the database "TheBank", we deploy the MySQL Server(this one gets deployed during the boot unless it has been disabled), Node server that make the backend of our project and Ionic server that makes the front end of our project.

The start-up of Node server

The start-up of application

We created an employee with ID '10000' with password 'ADMIN' while setting up the database. We have a branch 'BANK0000001'. Now we login using the credentials '10000' and 'ADMIN'.

Once an employee clicks on login a request is sent to the Node server. Node server requests the database server for the hashed password for the given user. Then node verifies if the password string matches hash (Hashing algorithm used is SHA1). If it matches it directs the front end to the dashboard of application else alerts the user of bad credentials. Both valid and invalid attempts are logged in the console.
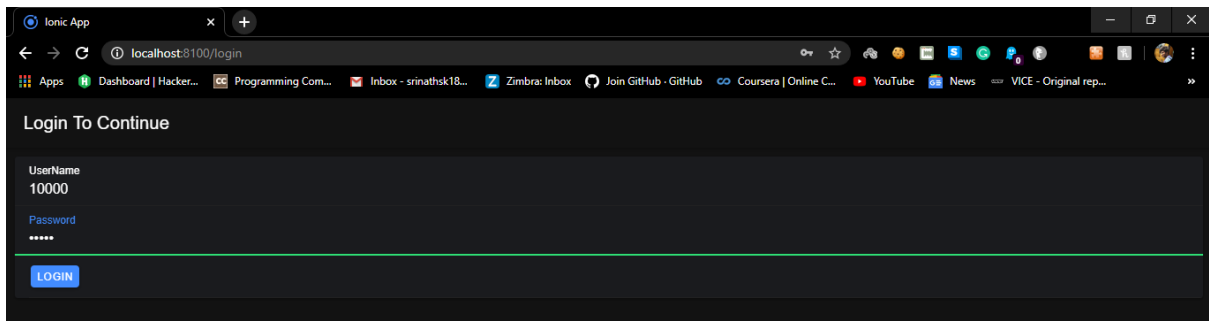
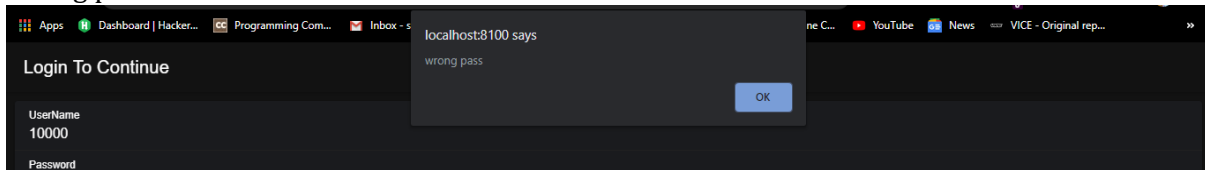We now enter the dashboard of application after successful login.
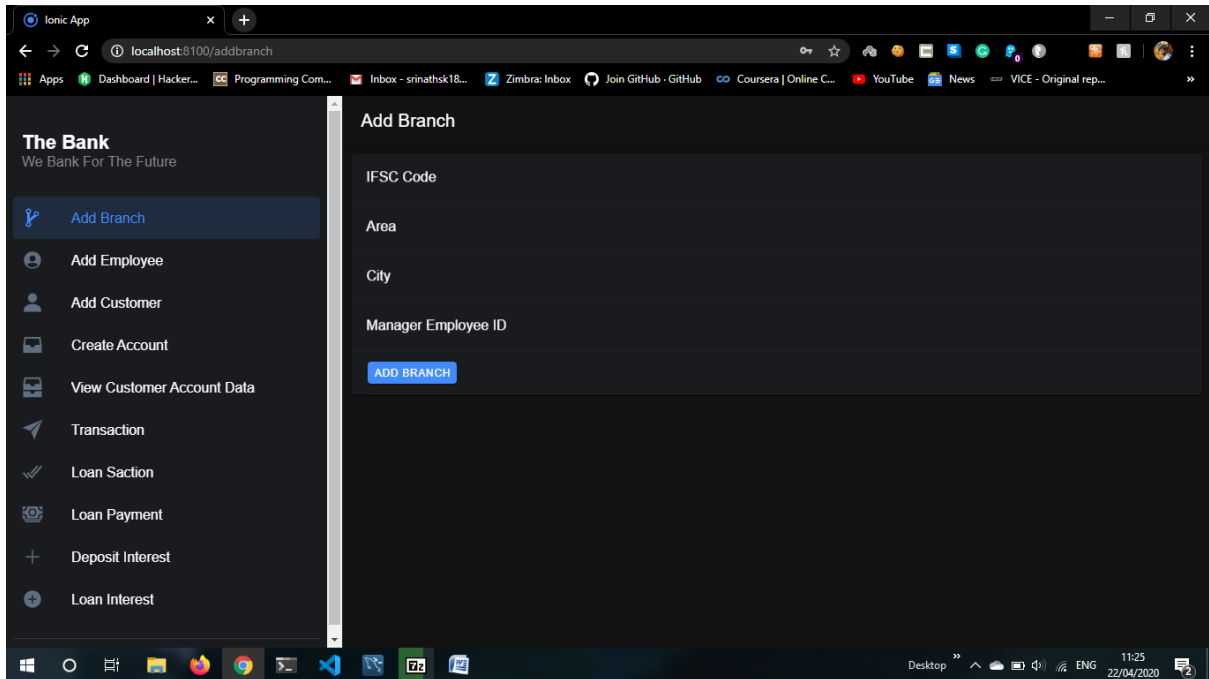
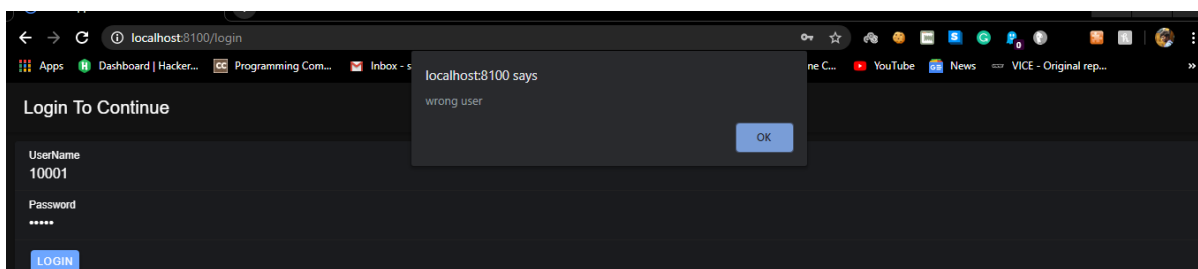The console makes entry of the login of this employee.
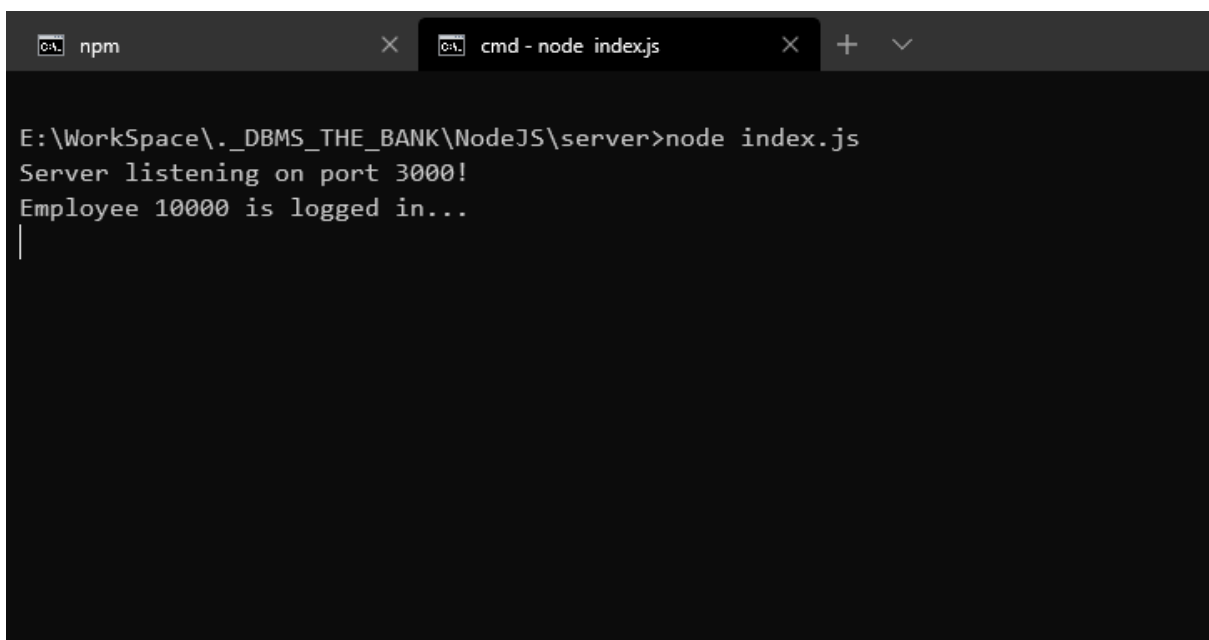
Now in case of wrong password or invalid username we get alert on the application as well as logged in the backend.

Wrong password

Invalid user ID