Assessment Report

Vibhanshu

vibshri21@gmail.com

https://github.com/vibhanshushrivastwa/FormFill_WebApp

The assessment had me invested in it for the last few days. I liked the way it was structured and the way it was meant to be solved. I explored various new things while solving the problem statement.

I started by developing the front end part of the application for which I used React.js and Bootstrap. I explored the various styles and formats by which one can creatively format their webpages.

```
Mahe@HPPRO58 MINGW64 ~/Documents/Coral_Blockchain/backend
$ cd ..

Mahe@HPPRO58 MINGW64 ~/Documents/Coral_Blockchain
$ cd coral_blockchain/

Mahe@HPPRO58 MINGW64 ~/Documents/Coral_Blockchain/coral_blockchain
$ npm start

> coral_blockchain@0.1.0 start C:\Users\Mahe\Documents\Coral_Blockchain\coral_blockchain
> react-scripts start
```

Once I initialized the frontend using node package manager, I started to work with the code on VISUAL STUDIO CODE.
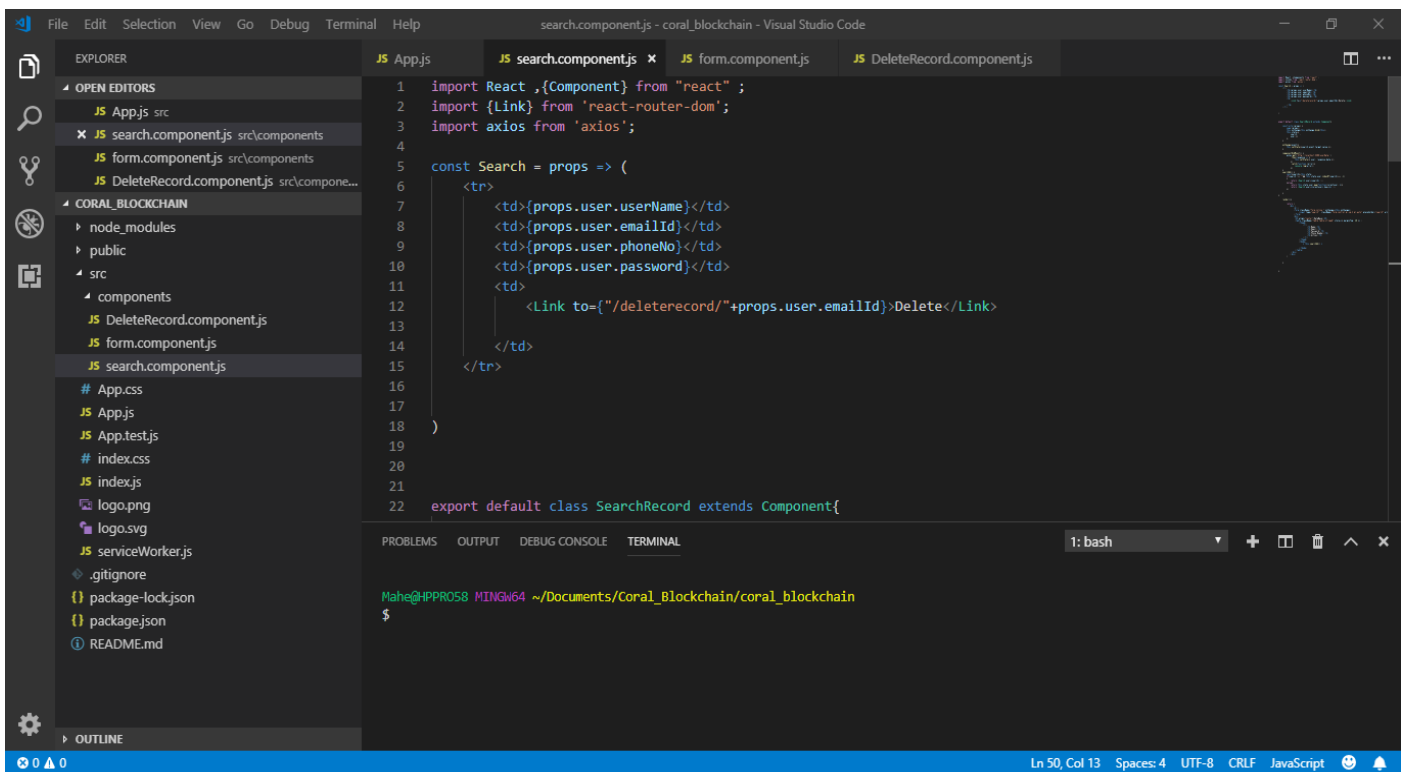
Registration

Username

Password

E-mail

Contact Number

Submit
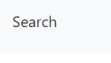

I made the webpage responsive by using bootstrap.

I then started making the backend with express which works over node.js to make my api.

```
JS server.js    ×
47      //Delete an user data
48      //Delete an user data
49      app.delete('/userData/:id', (req, res) => {
50          mysqlConnection.query('SET @p_EmailId=? ;CALL spDelete(@p_EmailId);', [req.params.id], (err, rows,
51              if (!err)
52              {   res.end(JSON.stringify("Record Deleted"));
53                  console.log('Deleted successfully.');
54              }
55              else
56                  console.log(err);
57          })
58      });
59
60      //Insert an employees
61      app.post('/userData', (req, res) => {
62          let usr = req.body;
63          var sql = "SET @p_Username = ? ;SET @p_EmailId = ?;SET @p_PhoneNo = ?;SET @p_Password = ?;\
64          CALL spCreateUser(@p_Username,@p_EmailId,@p_PhoneNo,@p_Password);";
65          mysqlConnection.query(sql,[usr.userName, usr.emailId,  usr.phoneNo, usr.password], (err) => {
66              if (!err)
67              {
68                  res.end(JSON.stringify("Record Updated"));
69                  console.log("inserted!");
70              }
71              else
72                  console.log(err);
```

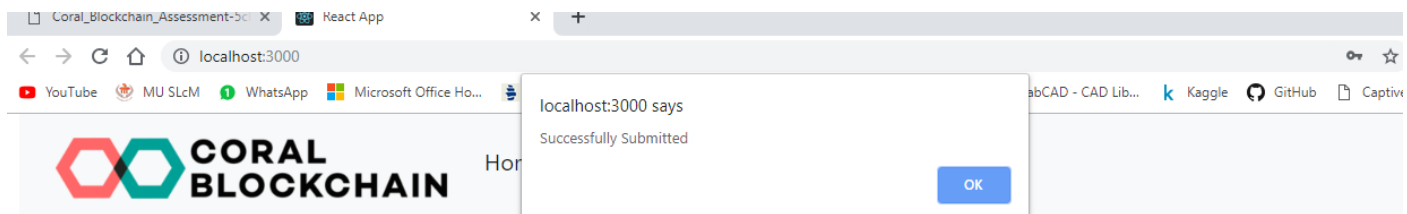I then used POSTMAN application to check if my api was working or not.
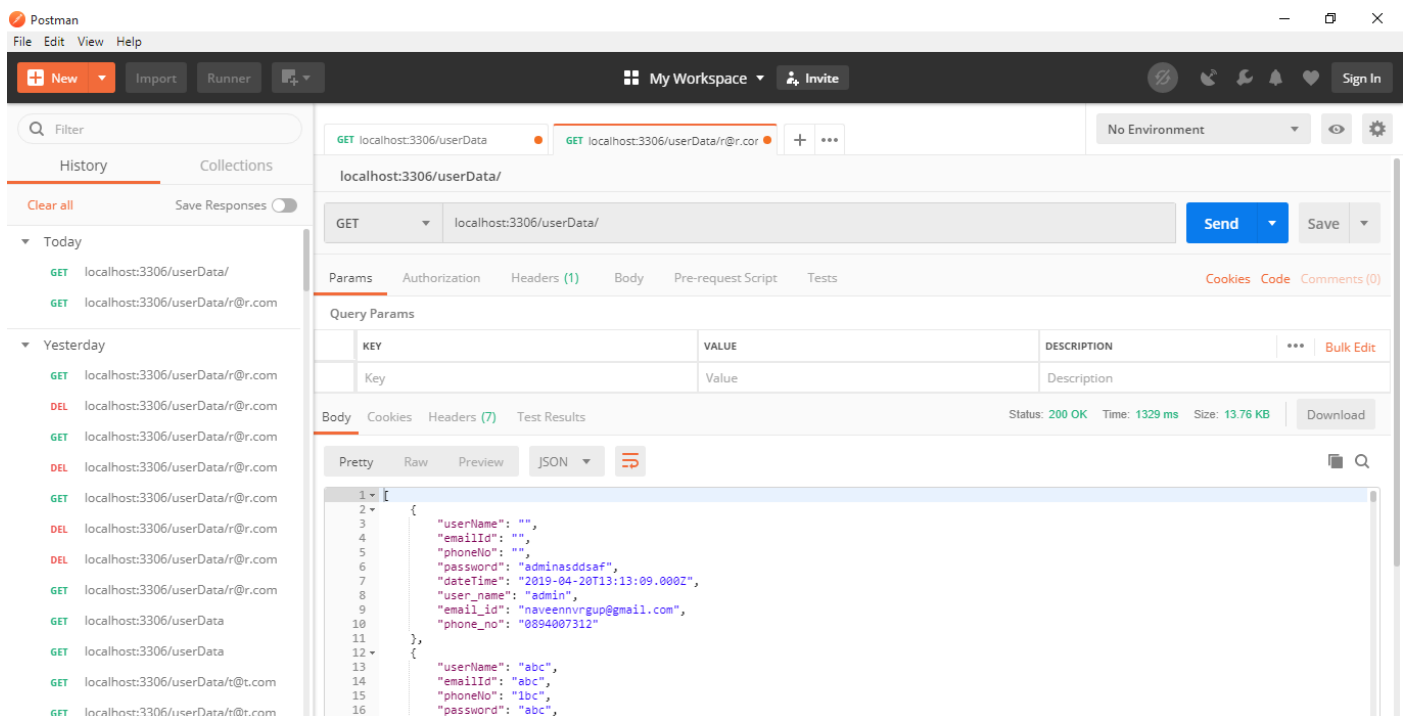
The above picture shows that we are able to get the data for all the users. I also used MYSQL WORKBENCH to monitor the database. I got the info of different procedures from the mysql query which I used while coding api.
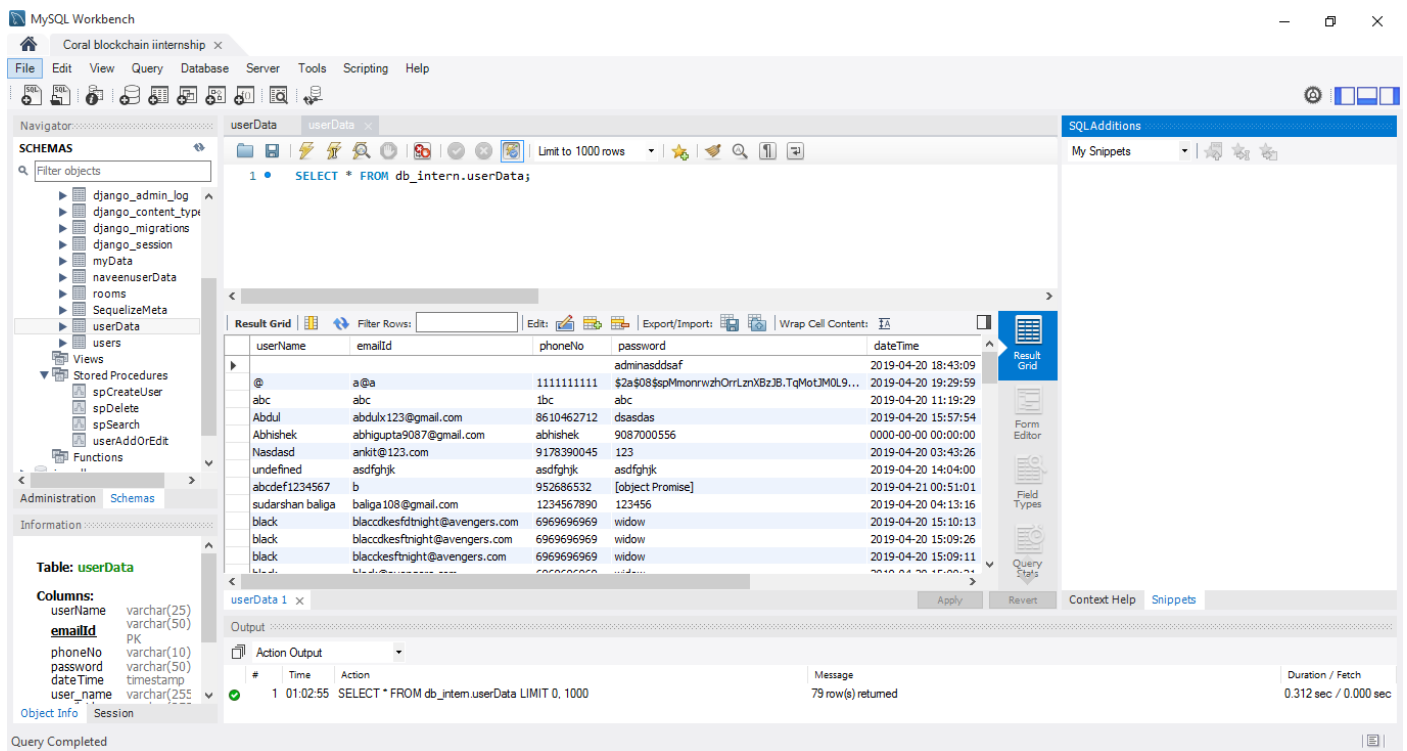
Once I checked that I was able to GET, PUT, POST and DELETE data to/from the server I proceeded with connecting the backend to the front end.

Inserting Data

When the form is submitted it generates an alert that the form is submitted.

Console View:

Here we can see that the data has been captured in the console.

Searching Data

When the search option is clicked we get this page where we can see the full data which can be searched upon. Delete option is also provided if one wants to delete a specific data.
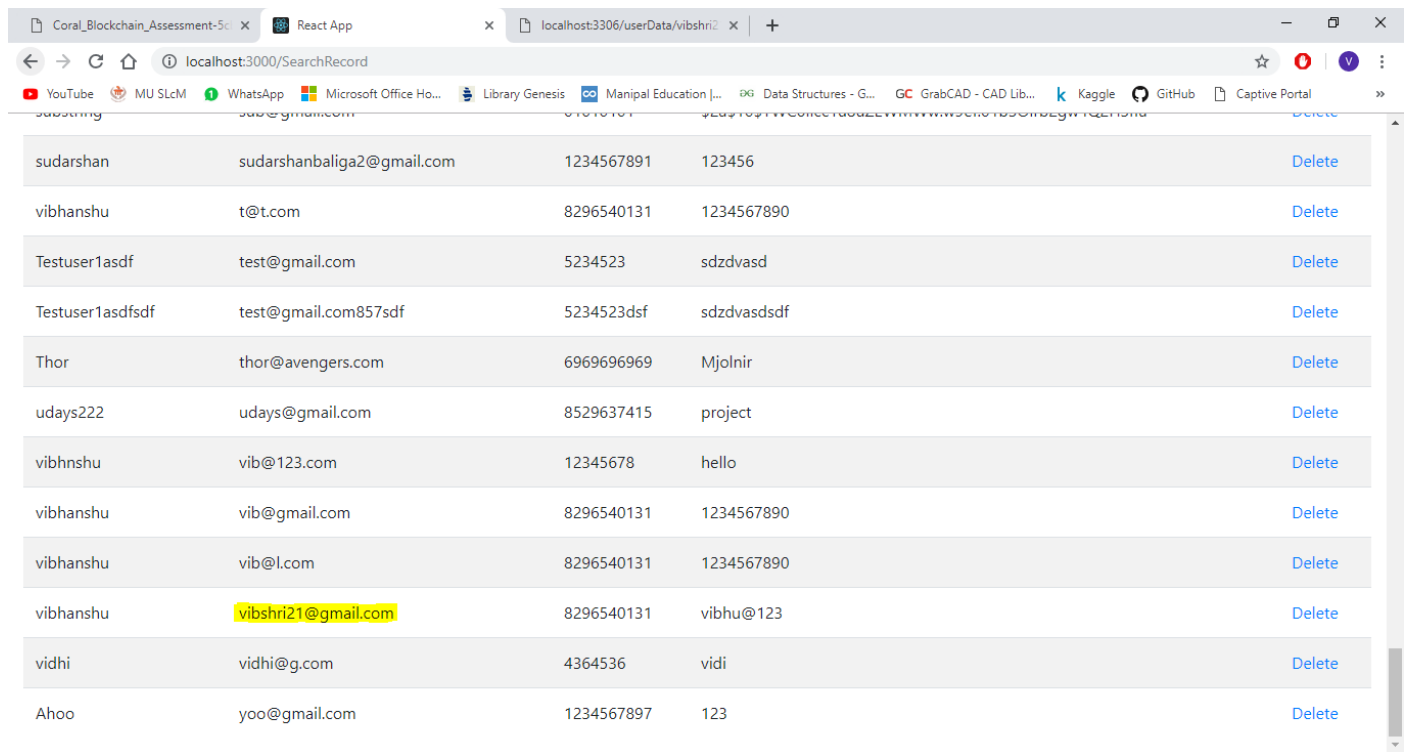
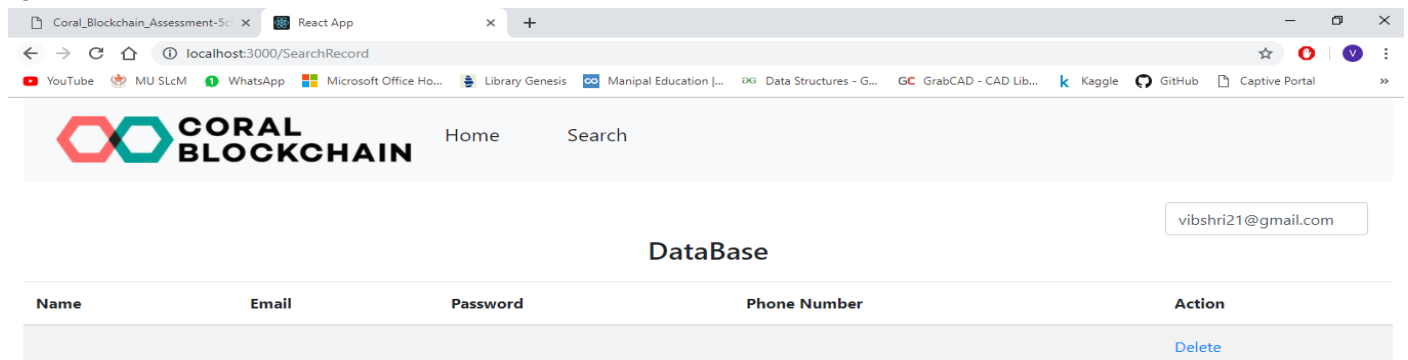My data from the Registrtion form was successfully inserted as you can see in the picture below.
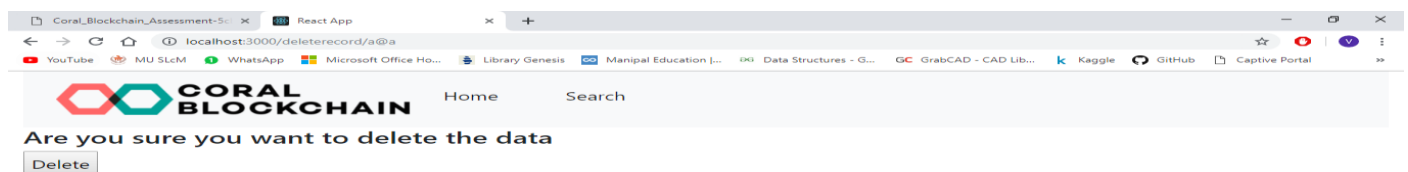
sudarshan	sudarshanbaliga2@gmail.com	1234567891	123456	Delete
vibhanshu	t@t.com	8296540131	1234567890	Delete
Testuser1asdf	test@gmail.com	5234523	sdzdvasd	Delete
Testuser1asdfsdf	test@gmail.com857sdf	5234523dsf	sdzdvasdsdf	Delete
Thor	thor@avengers.com	6969696969	Mjolnir	Delete
udays222	udays@gmail.com	8529637415	project	Delete
vibhnshu	vib@123.com	12345678	hello	Delete
vibhanshu	vib@gmail.com	8296540131	1234567890	Delete
vibhanshu	vib@l.com	8296540131	1234567890	Delete
vibhanshu	vibshri21@gmail.com	8296540131	vibhu@123	Delete
vidhi	vidhi@g.com	4364536	vidi	Delete
Ahoo	yoo@gmail.com	1234567897	123	Delete

When I searched for the specific data I was unable to retrieve it in the front end. That is why it showed nothing in the row.
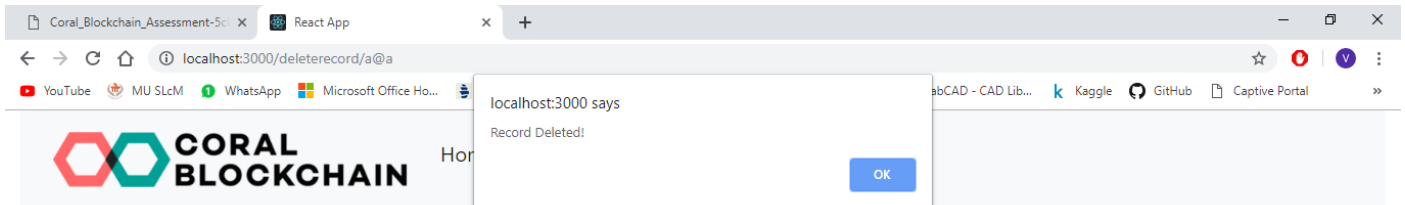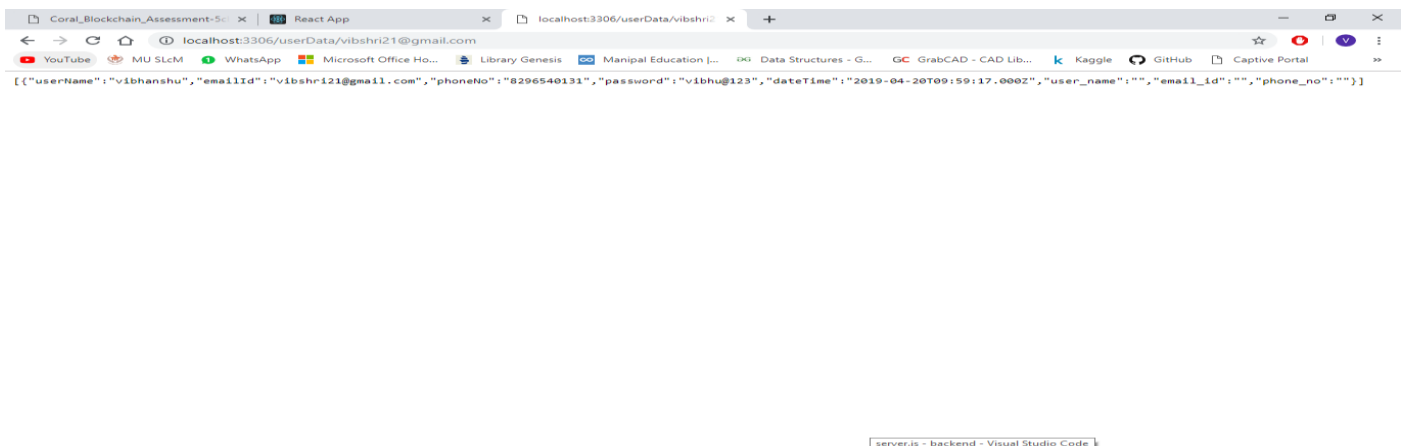

Deleting Data:

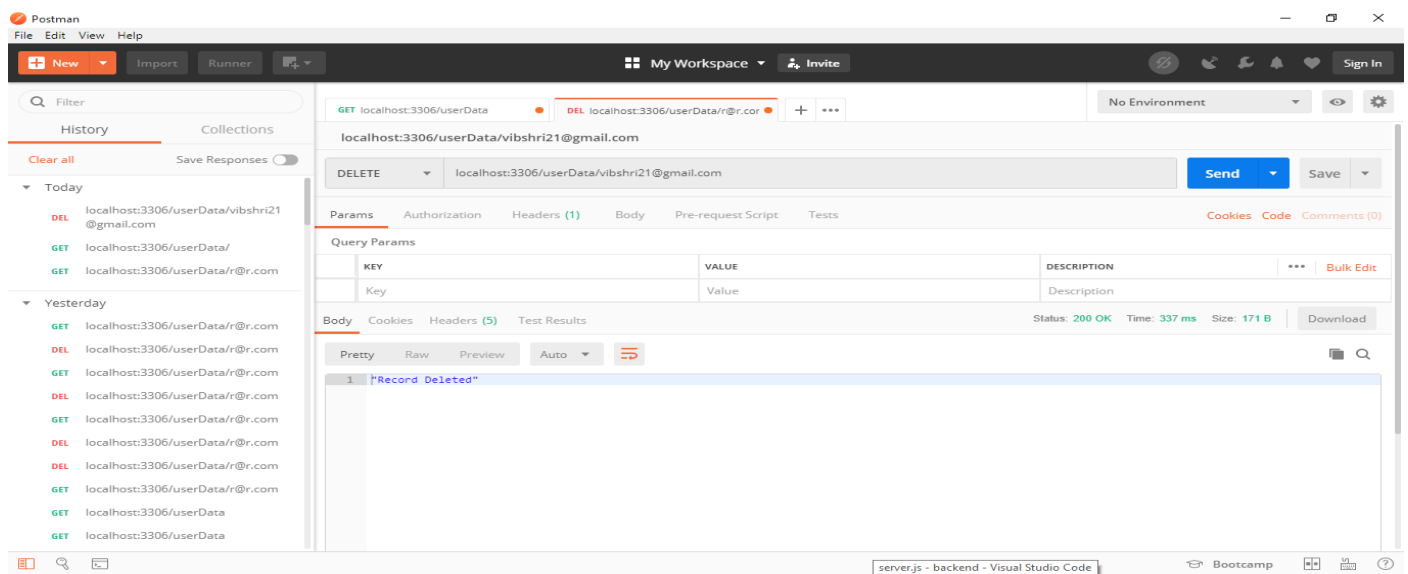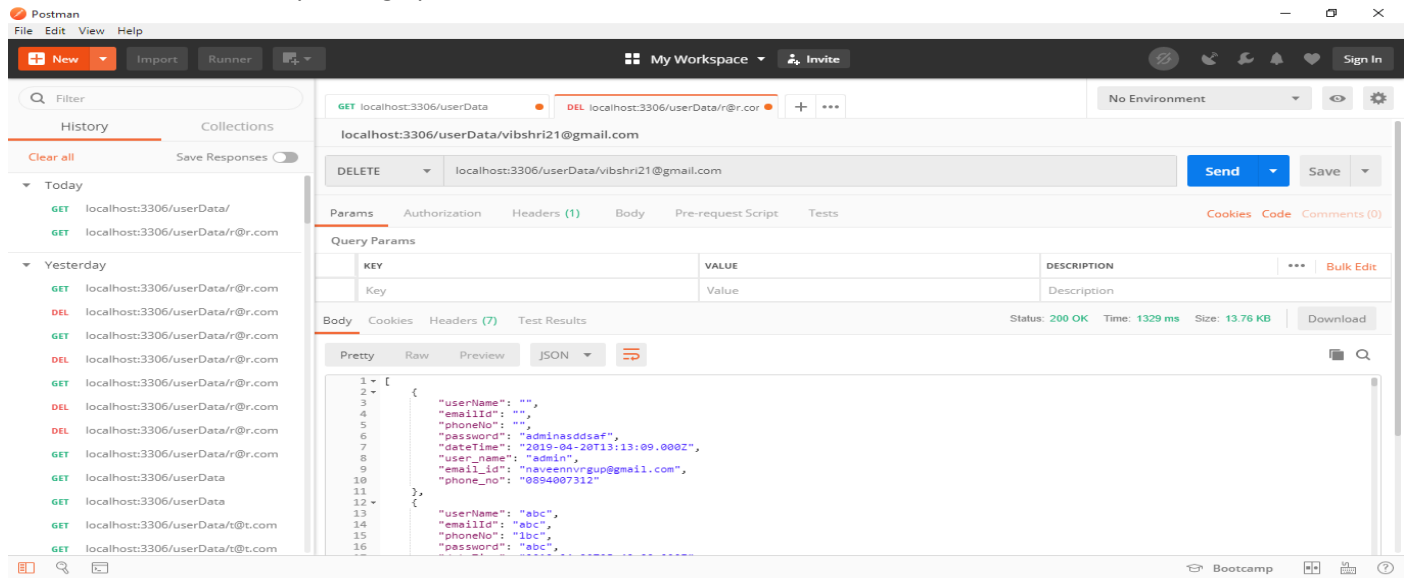*But the code at the backend is working!*

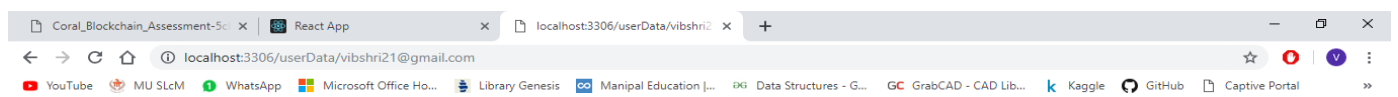All of the data was shown when userData was accessed.
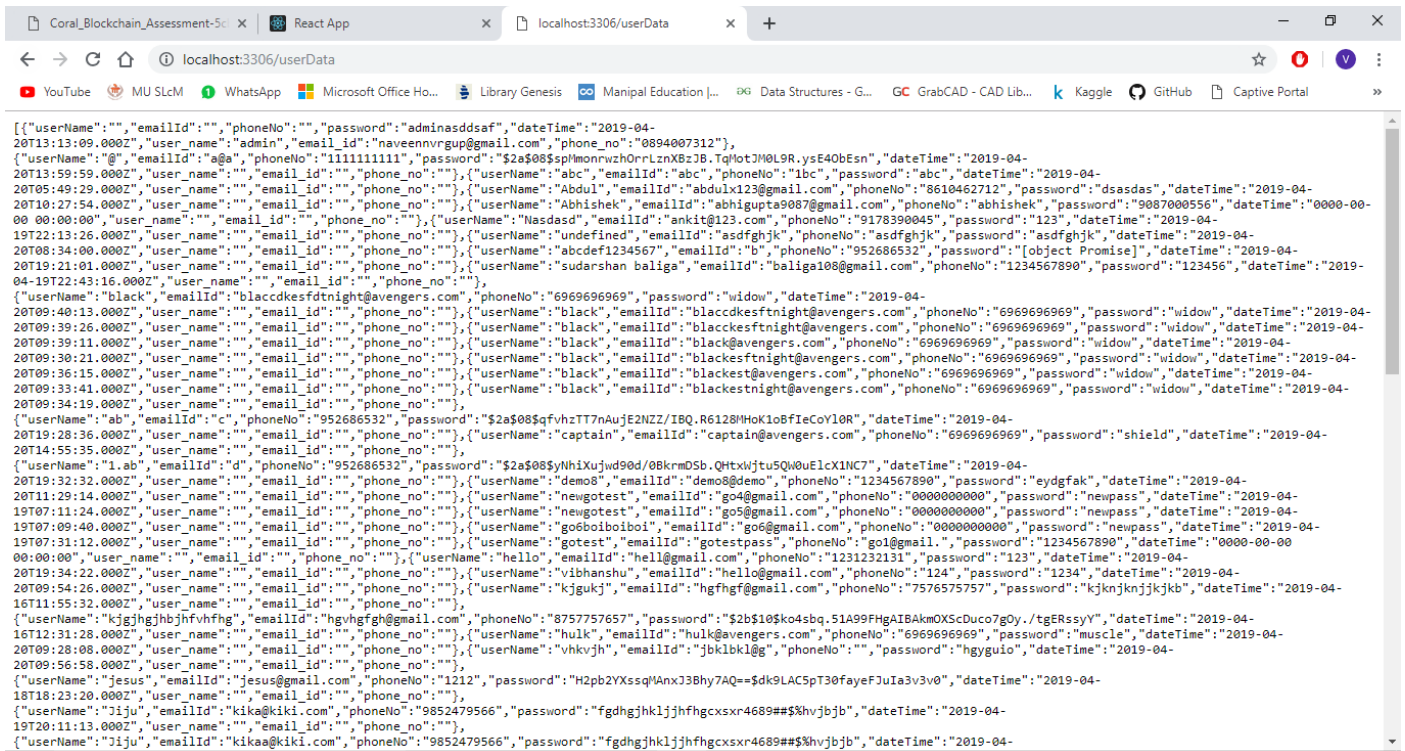
Single Data was also retrieved when email id was provided (localhost:3306/userdata/emailId).

When I deleted the entry through postman it was deleted.

Now, no data is available at the same address which had the email ID- vibshri21@gmail.com

Errors

1. I was unable to display the searched data on the frontend.
2. I was unable to delete the data from the frontend, but the backend was working.

Conclusion

I wanted to spend more time on this Assessment as I was unable to do two tasks which I could have done in the next one week but my **end semester examinations starts from 23rd April**, so I was unable to finish the work.

I don't think the assessment could have been any better. The problem statement was well structured and all the data was made available.

More than anything else, this assessment has been an excellent learning experience.

I wish I could shell out more time for this assessment and perfect my submission.

Hoping to work with you.

Thank You.