

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.

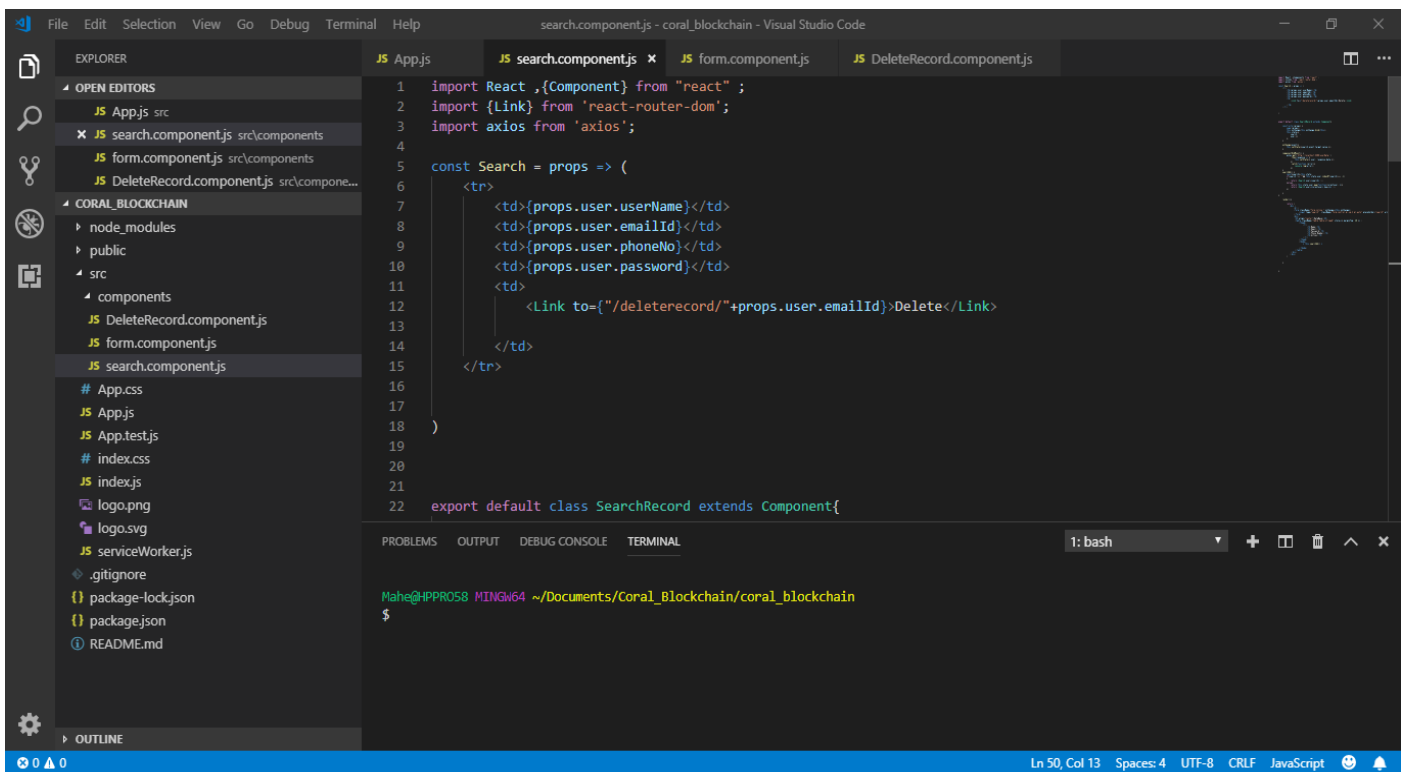
```
Mahe@HPPRO58 MINGW64 ~/Documents/Coral_Blockchain/backend
$ cd ..

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.




Coral_Blockchain_Assessment-5c

React App

localhost:3000

YouTubeMU SLCMWhatsAppMicrosoft Office Ho...Library GenesisManipal Education |...Data Structures - G...GrabCAD - CAD Lib...KaggleGitHubCaptive Portal

CORAL
BLOCKCHAIN

Home

Search

Registration

Username

Password

E-mail

Contact Number

Submit

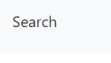
I made the webpage responsive by using bootstrap.

Coral_Blockchain_Assessment-5c

React App

localhost:3000

YouTubeMU SLCMWhatsAppMicrosoft Office Ho...Library GenesisManipal Education |...Data Structures - G...GrabCAD - CAD Lib...KaggleGitHubCaptive Portal

CORAL
BLOCKCHAIN

Home

Search

Registration

Username

Password

E-mail

server.js - backend - Visual Studio Code

```
an user data
delete('/userData/:id', (req, res) => {
  connection.query('SET @p_emailId=? ;CALL spDelete(@p_emailId);', [req.params.id], (err, rows, fields) => {
    if (!err) {
      var console; console.log("Record Deleted");
      console.log("Deleted successfully.");
    } else {
      console.log(err);
    }
  });
});
```

DEBUG CONSOLE TERMINAL

2: bash

~\Documents\Coral_Blockchain

~\Documents\Coral_Blockchain\coral_blockchain

start C:\Users\Vahe\Documents\Coral_Blockchain\coral_blockchain

start

warnings.

ng target="blank" without rel="noopener noreferrer" is a security risk: see https://mathiasbynens.github.io/rel-noopener

get blank

elements must have an alt prop, either with meaningful text, or an empty string for decorative images

keywords to learn more about each warning.

To ignore, add // eslint-disable-next-line to the line before.

Ln 11, Col 23 Spaces: 4 UTF-8 CRLF JavaScript

Coral_B

Res X

localho

localhost:3000/SearchRec...

YouTubeMU SLCMWhatsAppMicrosoft Office Ho...Library GenesisManipal Education |...Data Structures - G...GrabCAD - CAD Lib...KaggleGitHubCaptive Portal

CORAL
BLOCKCHAIN

Home

Search

search

DataBase

Name	Email
@	a@a
abc	abc

server.js - backend - Visual Studio Code

```
an user data
delete('/userData/:id', (req, res) => {
  connection.query('SET @p_emailId=? ;CALL spDelete(@p_emailId);', [req.params.id], (err, rows, fields) => {
    if (!err) {
      res.end(JSON.stringify("Record Deleted"));
      console.log("Deleted successfully.");
    } else {
      console.log(err);
    }
  });
});
```

DEBUG CONSOLE TERMINAL

1: bash

~\Documents\Coral_Blockchain\backend\node_modules\express\lib\router\layer.js:281:22

process_params (C:\Users\Vahe\Documents\Coral_Blockchain\backend\node_modules\express\lib\router\index.js:335:12) code: 'PR

TER_FATAL_ERROR', fatal: false }

request Query after fatal error.

validateEnqueue (C:\Users\Vahe\Documents\Coral_Blockchain\backend\node_modules\mysql\lib\protocol\Protocol.js:280:16)

enqueue (C:\Users\Vahe\Documents\Coral_Blockchain\backend\node_modules\mysql\lib\protocol\Protocol.js:138:13)

.query (C:\Users\Vahe\Documents\Coral_Blockchain\backend\node_modules\mysql\lib\Connection.js:280:25)

Users\Vahe\Documents\Coral_Blockchain\backend\server.js:38:21)

le [as handle_request] (C:\Users\Vahe\Documents\Coral_Blockchain\backend\node_modules\express\lib\router\layer.js:95:5)

atch (C:\Users\Vahe\Documents\Coral_Blockchain\backend\node_modules\express\lib\router\route.js:137:13)

le [as handle_request] (C:\Users\Vahe\Documents\Coral_Blockchain\backend\node_modules\express\lib\router\layer.js:95:5)

Users\Vahe\Documents\Coral_Blockchain\backend\node_modules\express\lib\router\index.js:281:22

process_params (C:\Users\Vahe\Documents\Coral_Blockchain\backend\node_modules\express\lib\router\index.js:335:12) code: 'PR

TER_FATAL_ERROR', fatal: false }

node server.js

running at port no : 3306

Deleted successfully.

Deleted successfully.

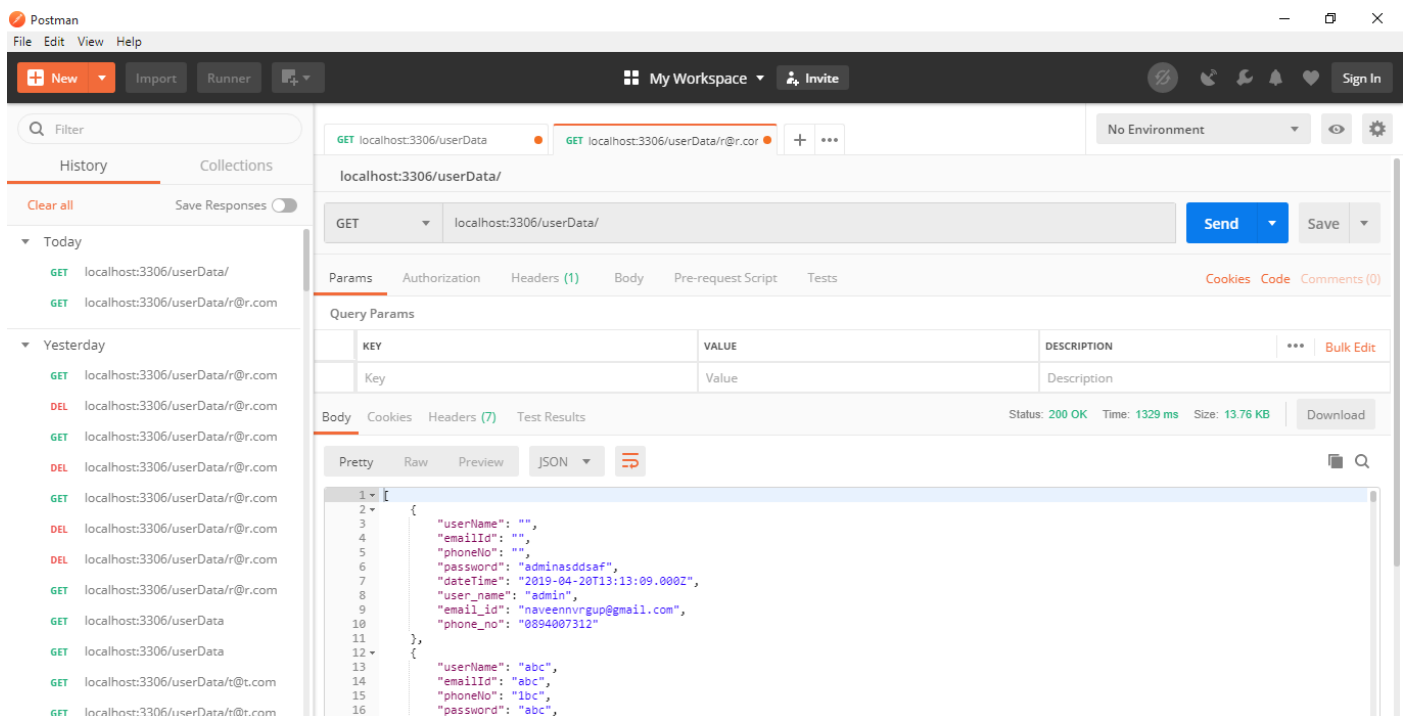
server.js - backend - Visual Studio Code

Spaces: 4 UTF-8 CRLF JavaScript

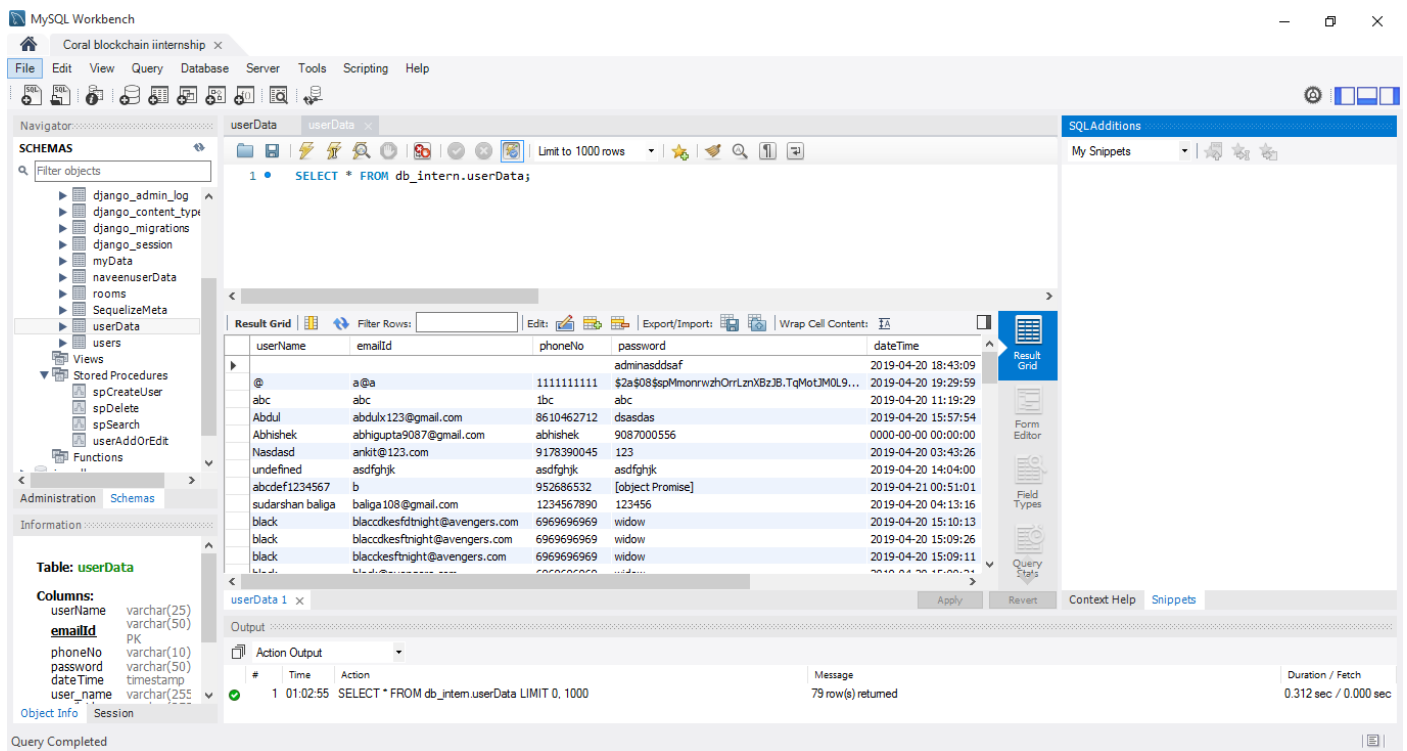
I then started making the backend with express which works over node.js to make my api.

```
JS server.js x
47
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);
73   })
74 });
```

I then used POSTMAN application to check if my api was working or not.



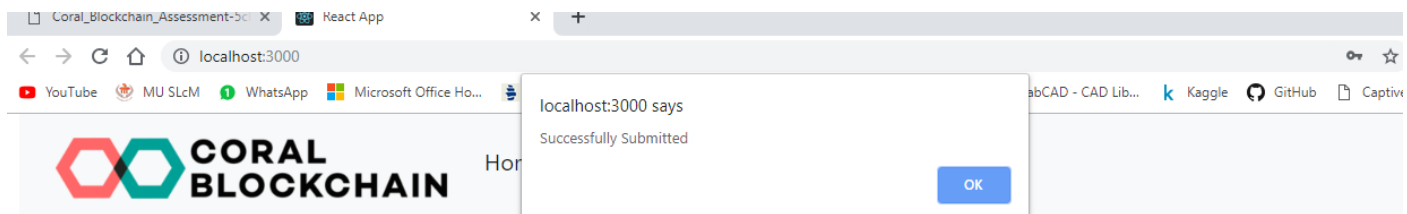
The above picture shows that we are able to get the data for all the users. I also used MYSQL WORKBENCH to monitor the database. I got the info of different procedures from the mysql query which I used while coding api.



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.



Registration

Username


Password

E-mail

Contact Number

Console View:

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

Home Search

Registration

Username

Password

E-mail

Contact Number

Submit

Elements Console Sources Network Performance

top

in label (at form.component.js:82)

in div (at form.component.js:81)

in form (at form.component.js:79)

in div (at form.component.js:77)

in FormFill (created by Context.Consumer)

in Route (at App.js:40)

in div (at App.js:14)

in Router (created by BrowserRouter)

in BrowserRouter (at App.js:13)

in App (at src/index.js:7)

Warning: Failed prop type: You provided a `value` prop to a form field without an `onChange` handler. This will render a read-only field. If the field should be mutable use `defaultValue`. Otherwise, set either `onChange` or `readOnly`.

in input (at form.component.js:99)

in div (at form.component.js:98)

in form (at form.component.js:79)

in div (at form.component.js:77)

in FormFill (created by Context.Consumer)

in Route (at App.js:40)

in div (at App.js:14)

in Router (created by BrowserRouter)

in BrowserRouter (at App.js:13)

in App (at src/index.js:7)

./src/App.js

Line 20: Using target="_blank" without rel="noopener noreferrer" is a security risk: see https://mathiasbynens.github.io/rel-noopener react/jsx-no-target-blank

Line 21: img elements must have an alt prop, either with meaningful text, or an empty string for decorative images jsx-ally/alt-text

Form Submitted

Name: Vibhanshu


password:12345678

email:vibshri21@gmail.com

Number:8296540131

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.

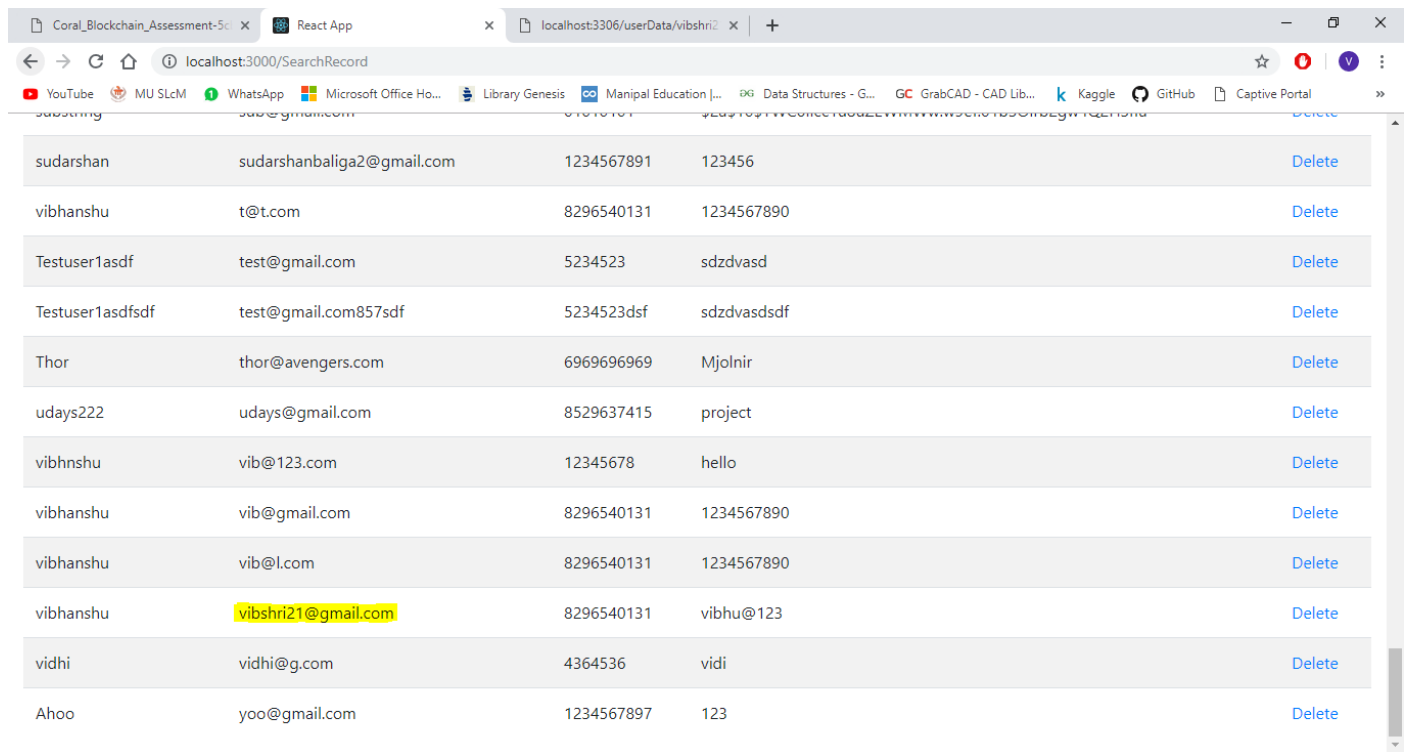
Home Search

search

DataBase

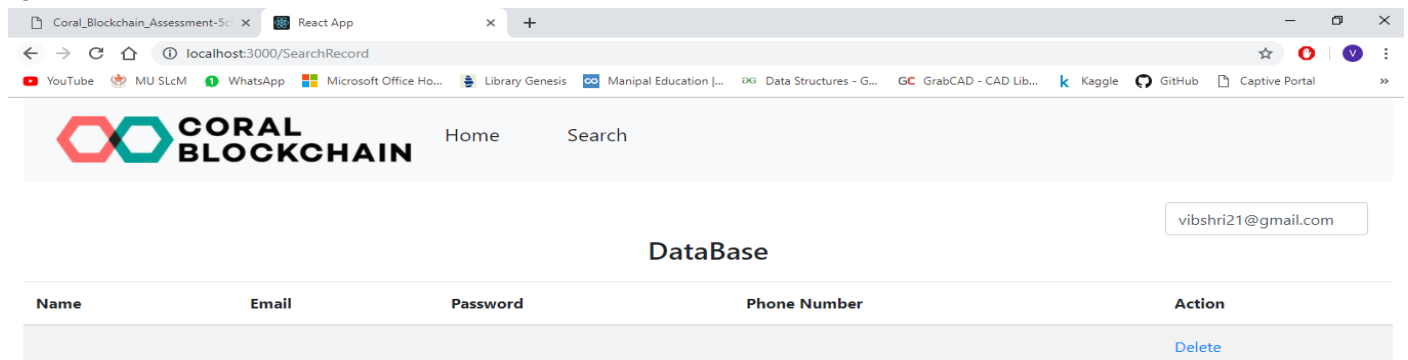
Name	Email	Password	Phone Number	Action
			adminasddsaf	Delete
@	a@a	1111111111	\$2a\$08\$spMmonrwzhOrrLznXBzJB.TqMotJM0L9R.ysE4ObEsn	Delete
abc	abc	1bc	abc	Delete
Abdul	abdulx123@gmail.com	8610462712	dsasdas	Delete
Abhishek	abhigupta9087@gmail.com	abhishek	9087000556	Delete
Nasdasd	ankit@123.com	9178390045	123	Delete
undefined	asdfghjk	asdfghjk	asdfghjk	Delete

My data from the Registrtrion form was successfully inserted as you can see in the picture below.



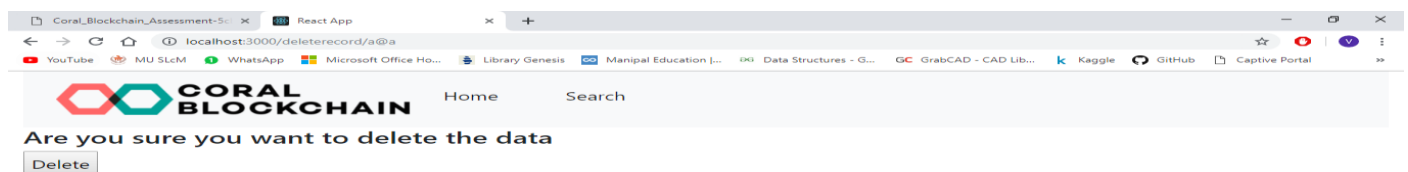
sudarshan	sudarshanbaliga2@gmail.com	1234567891	123456	Delete
vibhanshu	t@t.com	8296540131	1234567890	Delete
Testuser1asdf	test@gmail.com	5234523	sdzdvasd	Delete
Testuser1asdfsdf	test@gmail.com857sdf	5234523dsf	sdzdvasdsdf	Delete
Thor	thor@avengers.com	6969696969	Mjolnir	Delete
udays222	udays@gmail.com	8529637415	project	Delete
vibhanshu	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.



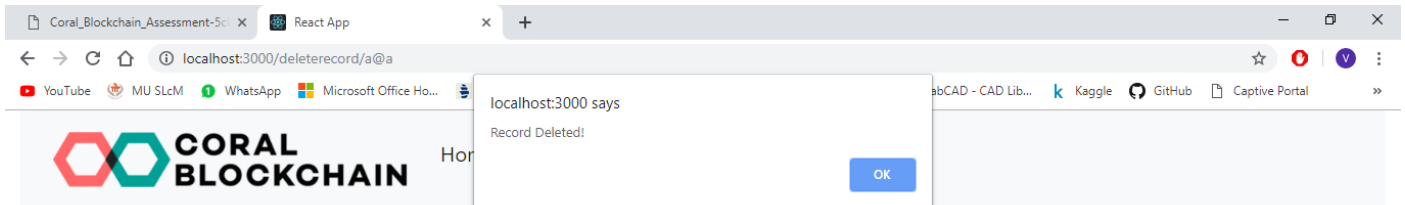
Name	Email	Password	Phone Number	Action
				Delete

Deleting Data:



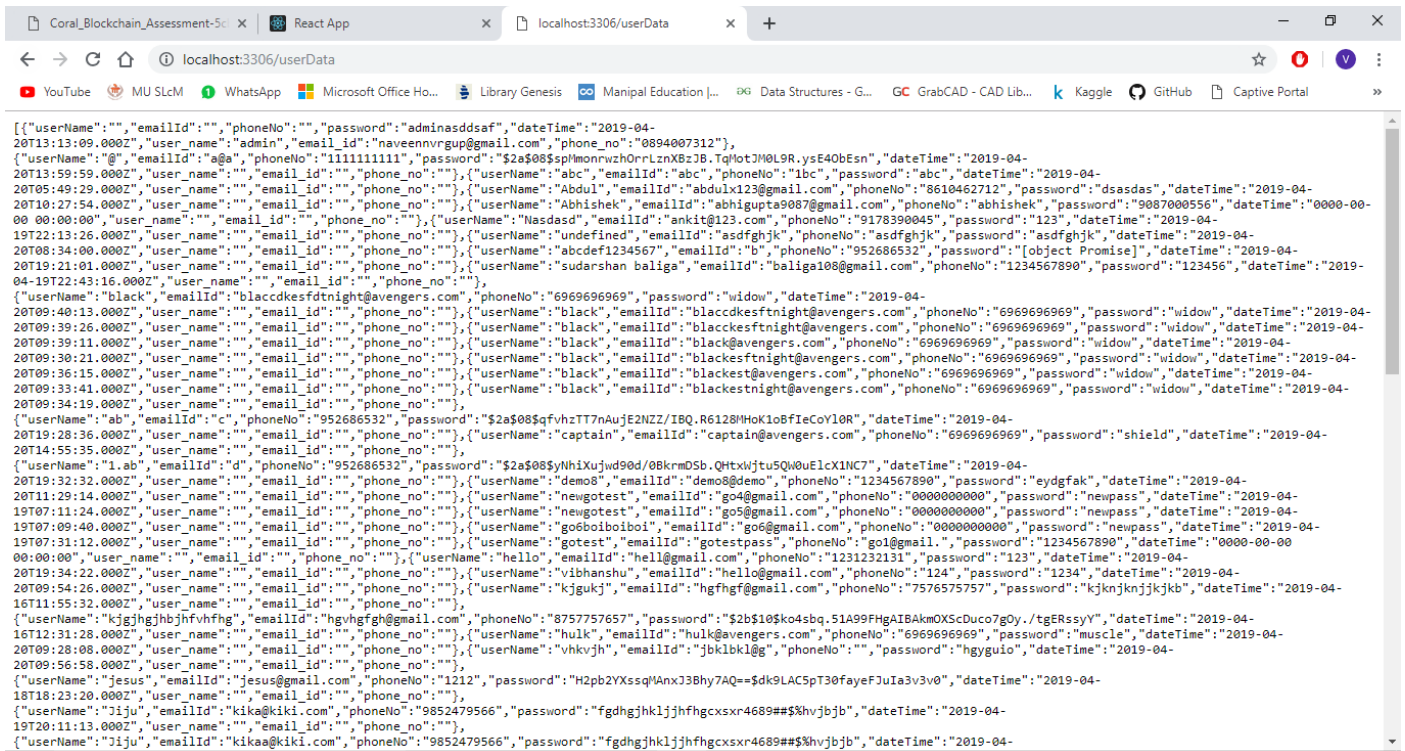
Are you sure you want to delete the data

Delete

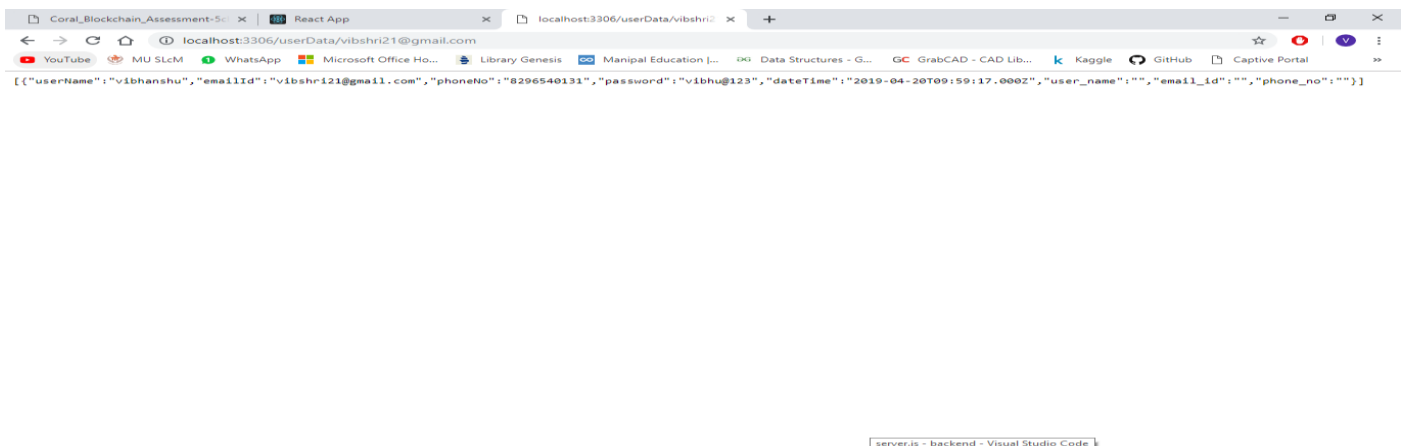


But the code at the backend is working!

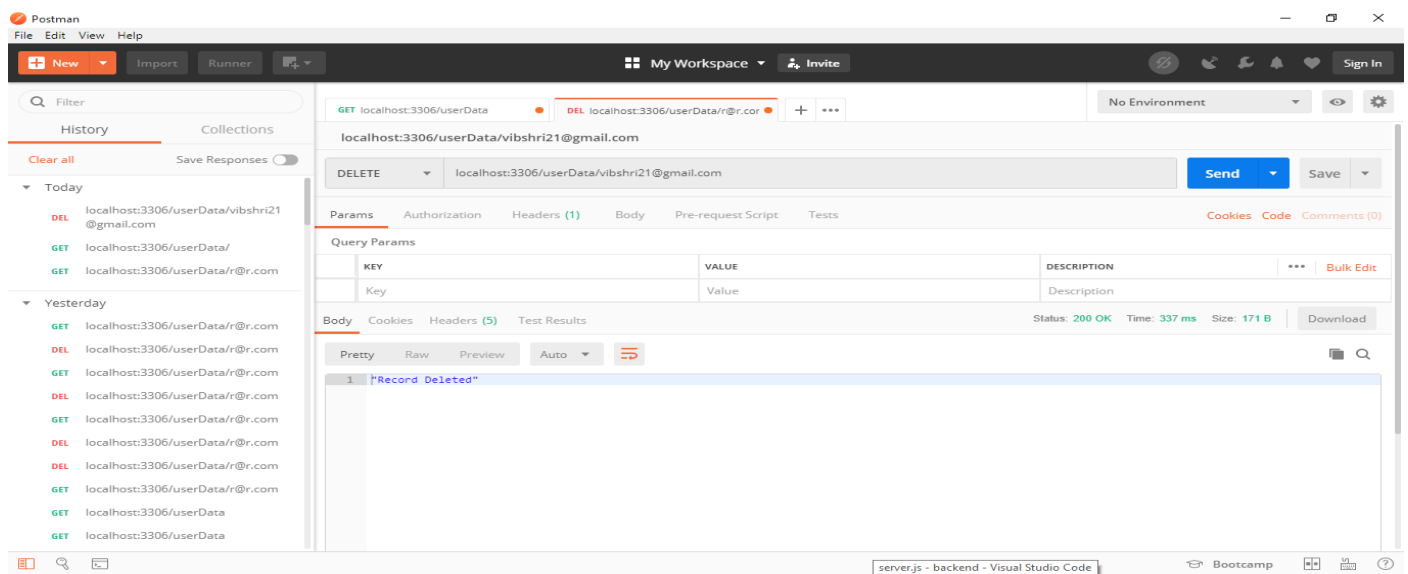
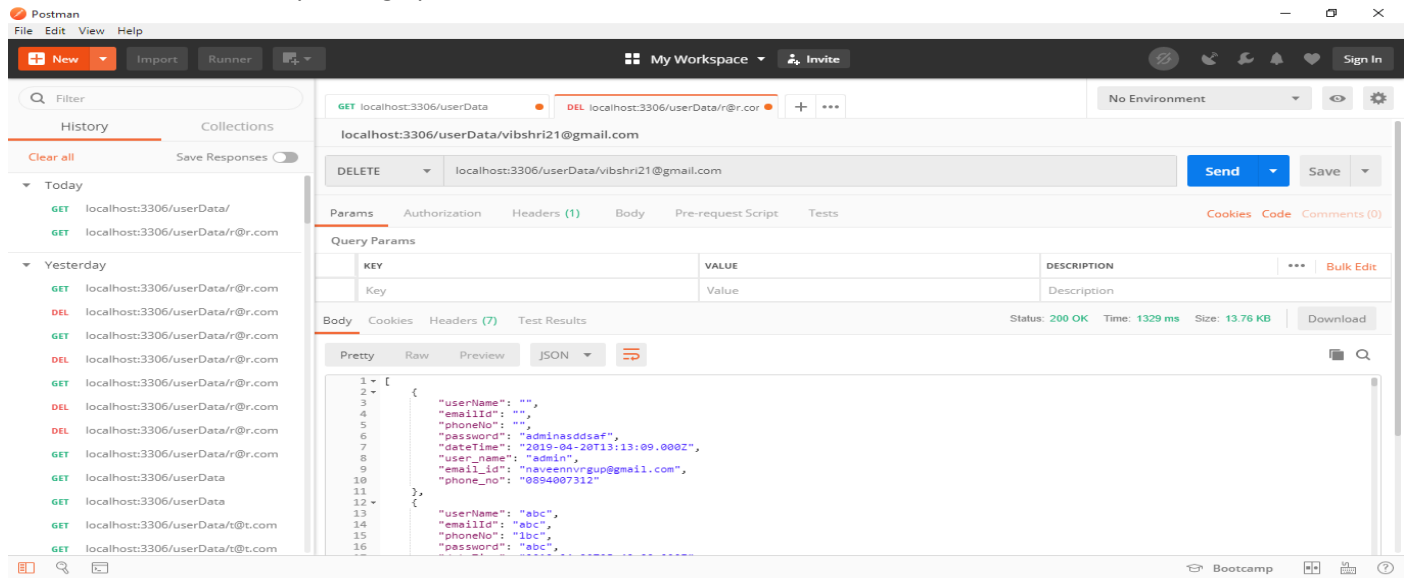
All of the data was shown when userData was accessed.



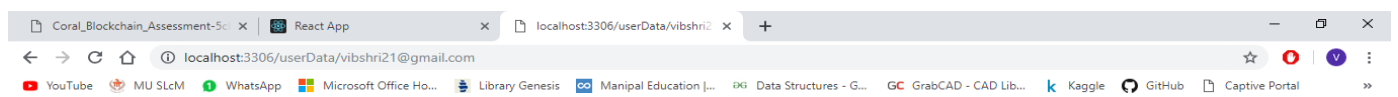
Single Data was also retrieved when email id was provided (localhost:3306/userdata/emailid).



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.