INSERT DATA INTO THE TABLE -

The First method:

// define the newuser route

newuser:function(req,res){

// // fetch the data

let Name = req.body.Name;

let Email = req.body.Email;

let Password = req.body.Password;

// first method

con.query(`INSERT INTO newuser(Name,Email,Password) values('${Name}','${Email}','${Password}')`,function(err,result,fields){

if(err){

throw err;

}

else{

res.send(JSON.stringify(result));

console.log("Data Inserted Successfully");

}

});

The Second method:

// second method

let userData ={

Name:req.body.Name,

Email:req.body.Email,

Password:req.body.Password

};

con.query("INSERT INTO newuser SET ?",userData,function(err,resutl,fields){

if(err) throw err;

res.send(JSON.stringify(resutl));

console.log("Data Inserted Successfully");

});

React Front end :

import React from 'react';

import './newuser.css';

class NewUser extends React.Component {

constructor(props) {

super(props);

this.state = {

Name:"",

Email:"",

Password:"",

title:"SIGN UP FORM"

};

}

// define the btn submit

btn\_submit = (e) =>{

e.preventDefault();

console.log("You have clicked the submit btn");

var user\_data ={

Name:this.refs.txt\_name.value,

Email:this.refs.txt\_email.value,

Password:this.refs.txt\_password.value

};

console.log(JSON.stringify(user\_data));

// make a http request

var request = new Request('http://localhost:5000/newuser',{

method:'POST',

headers: {'Content-Type': 'application/json'},

body: JSON.stringify(user\_data)

});

fetch(request)

.then(function(res){

if(res.status >= 400){

throw new Error("Bad Response through the Server");

}

})

.then(function(data){

console.log(data);

});

}

render() {

let title = this.state.title;

return (

<div className="signup\_form">

<h3>{title}</h3>

<hr/>

<input type="text" placeholder="Name:" ref="txt\_name" className="user\_input"/><br/>

<input type="text" placeholder="Email" ref="txt\_email" className="user\_input"/><br/>

<input type="text" placeholder="Password" ref="txt\_password" className="user\_input"/><br/>

<input type="submit" value="Submit" className="btn\_submit" onClick={this.btn\_submit}/>

</div>

);

}

}

export default NewUser;

UPDATE DATA INTO THE TABLE

Backend-

// define the update user functionality

updateuser: (req, res) => {

// let update\_data ={

// Id: req.body.Id,

// Name:req.body.Name,

// Email:req.body.Email,

// Password:req.body.Password

// };

// console.log(update\_data);

// fetch the individual data from the form

let Id = req.body.Id;

let Name = req.body.Name;

let Email = req.body.Email;

let Password = req.body.Password;

// wirte the sql query to update the database

con.query(`UPDATE newuser SET Name = '${Name}', Email = '${Email}', Password = '${Password}' WHERE newuser.Id = '${Id}' `,function(err,result,fields){

if(err){

throw new Error("Bad Response from the Server");

}

else{

res.send(JSON.stringify(result));

console.log("Data is updated");

}

});

},// End of update user

Frontend-

import React from 'react';

import './updateuser.css';

class UpdateUser extends React.Component {

constructor(props) {

super(props);

this.state = {

Name:"",

Email:"",

Password:"",

title:"UPDATE FORM"

};

}

// define the btn submit

btn\_submit= (e) =>{

e.preventDefault();

console.log("you have clicked the update button");

let update\_data ={

Id: this.refs.txt\_id.value,

Name: this.refs.txt\_name.value,

Email: this.refs.txt\_email.value,

Password: this.refs.txt\_password.value

};

console.log(JSON.stringify(update\_data));

// make a http request

var request = new Request('http://localhost:5000/update',{

method:'PUT',

headers: {'Content-type': 'application/json'},

body:JSON.stringify(update\_data)

});

fetch(request)

.then(function(res){

if(res.status >= 400){

throw new Error("Bad Response through the server");

}

})

.then(function(data){

console.log(data);

})

}

render() {

let title = this.state.title;

return (

<div className="update\_form">

<h3>{title}</h3>

<hr/>

<input type="text" placeholder="ID:" ref="txt\_id" className="user\_input"/><br/>

<input type="text" placeholder="Name:" ref="txt\_name" className="user\_input"/><br/>

<input type="text" placeholder="Email" ref="txt\_email" className="user\_input"/><br/>

<input type="text" placeholder="Password" ref="txt\_password" className="user\_input"/><br/>

<button type="submit" value="Submit" className="btn\_submit" onClick={this.btn\_submit}>Update</button>

</div>

);

}

}

export default UpdateUser;

Read Operation

Backend-

// alluser:function(req,res){

// res.send("response from all user route");

// }

alluser: (req,res) => {

// make a query to fetch the all data from the table

con.query('SELECT \* FROM `newuser`',function(err,result,fields){

if(err){

throw err;

}

else{

res.send(JSON.stringify(result));

// console.log(JSON.stringify(result));

}

});

},// end of all user

Frontend-

import React from 'react';

class AllUser extends React.Component {

constructor(props) {

super(props);

this.state = {

data:[]

};

}

// define the get details button functionality

btn\_get\_details = (e) =>{

e.preventDefault();

console.log("you have clicked te get details button");

// make a http request

var request = new Request('http://localhost:5000/alluser',{

method:'GET',

headers: new Headers({'Content-Type':'application/json'})

});

fetch(request)

.then(res => res.json())

.then(data => this.setState({data:data}));

}// end of btn get\_details functionality

// btn delete functionality

btn\_delete(user\_id){

let user\_data ={

id: user\_id

}

// make a http request

var request = new Request('http://localhost:5000/delete',{

method:'DELETE',

headers: {'Content-Type':'application/json'},

body:JSON.stringify(user\_data)

});

// fetch request

fetch(request)

.then(res => res.json())

.then(data => console.log(data))

}

render() {

let state\_data = this.state.data;

return (

<div>

<h2>Details of All User</h2>

<button onClick={this.btn\_get\_details}>Get Details</button>

<hr/>

{/\* {JSON.stringify(state\_data)} \*/}

<table>

<thead>

<tr>

<th>S.NO</th>

<th>Name</th>

<th>Email</th>

<th>Password</th>

</tr>

</thead>

<tbody>

{state\_data.map(data =>

<tr key={data.Id} data={data}>

<td>{data.Id}</td>

<td>{data.Name}</td>

<td>{data.Email}</td>

<td>{data.Password}</td>

<td><button onClick={this.btn\_delete.bind(this,data.Id)}>Delete</button></td>

</tr>

)}

</tbody>

</table>

</div>

);

}

}

export default AllUser;

Delete Operation –

Backend-

// delete user functionality

deleteuser: function(req,res){

// fetch the particular id from the react form

let del\_id = req.body.id;

// fetch the data from the database

con.query(`DELETE FROM newuser WHERE newuser.Id = ${del\_id}`,function(err,result,fields){

if(err){

throw err;

}

else{

console.log(JSON.stringify(result));

}

})

}// end of delete user functionality