DBMS Project

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Section: T

Subject: Database Lab

Submitted to: Ma'am Kinza

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App.js

```
import {BrowserRouter, Routes, Route} from "react-router-dom";
import { ToastContainer } from 'react-toastify';
import 'react-toastify/dist/ReactToastify.css';
import AddEdit from "./AddEdit";
import './App.css';
import Home from "./Home";
import View from "./View";
function App() {
  return (
    <BrowserRouter>
    <div className="App">
    <ToastContainer position='top-center'/>
        <Route exact path="/" element={<Home />} />
      </Routes>
      <Routes>
        <Route path="/addContact" element={<AddEdit />} />
      </Routes>
      <Routes>
        <Route path="/update/:id" element={<AddEdit />} />
      </Routes>
      <Routes>
        <Route path="/view/:id" element={<View />} />
      </Routes>
    </div>
    </BrowserRouter>
  );
export default App;
```

Index.js

```
const express = require("express");
const app = express();
const bodyParser = require("body-parser");
const mysql = require("mysql2")
const cors = require("cors");
const db = mysql.createPool({
    host: "localhost",
    user: "root",
    password: "desijerry9",
    database: "contact"
});
app.use(cors());
app.use(express.json());
app.use(bodyParser.urlencoded({extended: true}));
app.get("/api/get", (req, res) => {
    const sqlGet = "SELECT * FROM contact db";
    db.query(sqlGet, (error, result) =>{
        res.send(result);
    });
});
app.post("/api/post", (req, res) =>{
    const {name, email, contact} = req.body;
    const sqlInsert = "INSERT INTO contact_db (name, email, contact) VALUES (?,
?, ?)";
    db.query(sqlInsert, [name, email, contact], (error, result) => {
        if(error){
            console.log(error);
    });
});
app.delete("/api/remove/:id", (req, res) =>{
    const {id} = req.params;
    const sqlRemove = "DELETE FROM contact_db WHERE id = ?";
    db.query(sqlRemove, id, (error, result) => {
        if(error){
            console.log(error);
    });
```

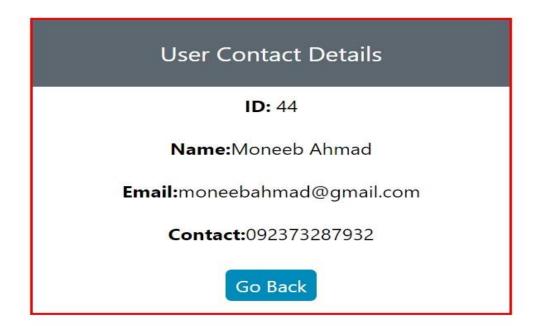
```
});
app.get("/api/get/:id", (req, res) => {
    const {id} = req.params;
    const sqlGet = "SELECT * FROM contact_db WHERE id = ?";
    db.query(sqlGet, id, (error, result) =>{
        if(error){
            console.log(error);
        res.send(result);
    });
});
app.put("/api/update/:id", (req, res) => {
    const {id} = req.params;
    const {name, email, contact} = req.body;
    const sqlUpdate = "UPDATE contact_db SET name = ?, email = ?, contact = ?
WHERE id = ?";
    db.query(sqlUpdate, [name, email, contact, id], (error, result) =>{
        if(error){
            console.log(error);
        res.send(result);
    });
});
app.get("/", (req, res) => {
    const sqlInsert = "INSERT INTO contact_db (name, email, contact) VALUES
('atta', 'test@gmail.com', 0985403);"
    db.query(sqlInsert,(error, result) => {
        console.log("error", error);
        console.log("result", result);
        res.send("Hello");
    });
});
app.listen(5000, () =>{
    console.log("Server running on Port 5000");
```

Home.js

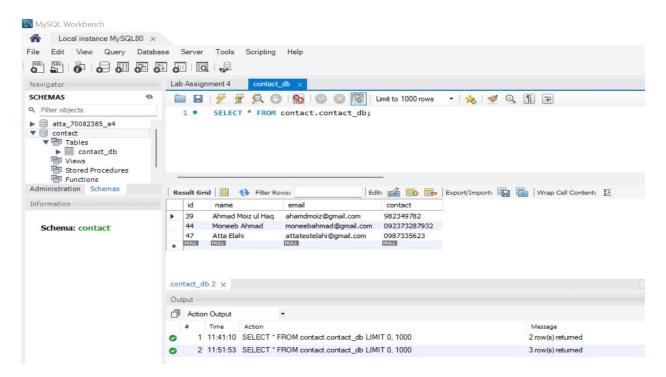
```
import React, {useState, useEffect} from 'react';
import {Link} from "react-router-dom";
import './Home.css';
import {toast} from "react-toastify";
import axios from "axios";
function Home() {
   const [data, setData] = useState([]);
   const loadData = async () => {
      const response = await axios.get("http://localhost:5000/api/get");
      setData(response.data);
   };
   useEffect(() =>{
      loadData();
   }, []);
   const deleteContact = (id) => {
      if(window.confirm("Are you sure??? You want to delete that contact? ")){
         axios.delete(`http://localhost:5000/api/remove/${id}`);
         toast.success("Contact Deleted Successfully");
         setTimeout(() => loadData(), 500);
 return (
   <div style={{marginTop: "150px"}}>
   <Link to={"/addContact"}>
   <button className='btn btn-contact'>Add Contact
   </Link>
    <thead>
           No.
              Name
              Email
              Contact
              Action
           </thead>
```

```
{data.map((item, index) =>{
             return(
                {index + 1}
                   {item.name}
                   {item.email}
                   {item.contact}
                   <Link to={\`/update/\${item.id}\`}>
                          <button className='btn btn-edit'>Edit</button>
                       </Link>
                       <button className='btn btn-delete' onClick={() =>
deleteContact(item.id)}>Delete</button>
                      <Link to={\ \rangle view/ \${item.id}\ \}>
                          <button className='btn btn-view'>View</button>
                       </Link>
                   })}
      </div>
export default Home;
```

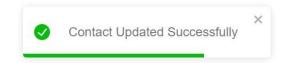
View:



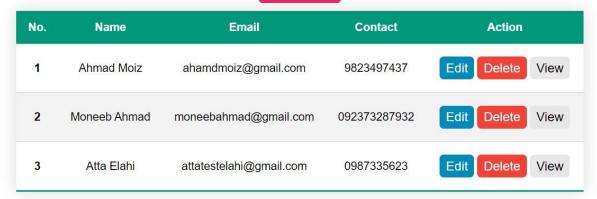
ADD:

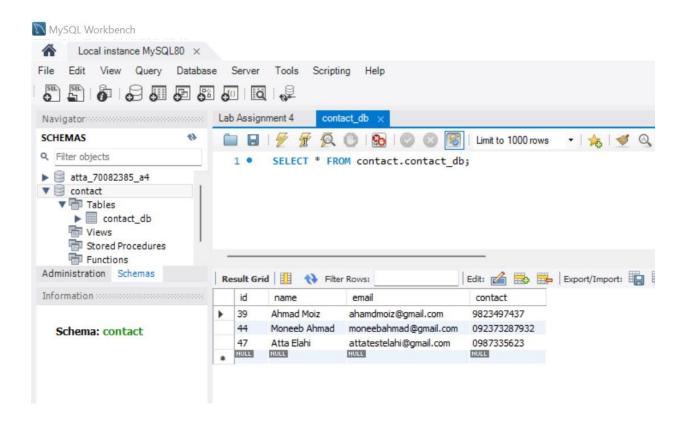


Update:



Add Contact





Delete:

