

DBMS Project

Ahmad Moiz-ul-Haq

70082827

Atta Elahi

70082385

Section:

T

Subject:

Database Lab

Submitted to:

Ma'am Kinza

Date:

20-05-2022

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' />
      <Routes>
        <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</button>
      </Link>
      <table className="styled-table">
        <thead>
          <tr>
            <th style={{textAlign: "center"}}>No.</th>
            <th style={{textAlign: "center"}}>Name</th>
            <th style={{textAlign: "center"}}>Email</th>
            <th style={{textAlign: "center"}}>Contact</th>
            <th style={{textAlign: "center"}}>Action</th>
          </tr>
        </thead>
      </table>
    </div>
  )
}
```

```

<tbody>
  {data.map((item, index) =>{
    return(
      <tr key={item.id}>

        <th scope='row'>{index + 1}</th>
        <td>{item.name}</td>
        <td>{item.email}</td>
        <td>{item.contact}</td>
        <td>

          <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={` /view/ ${item.id}`}>
            <button className='btn btn-view'>View</button>
          </Link>

        </td>
      </tr>
    )
  })}

</tbody>

</table>
</div>
)
}

export default Home;

```

View:

User Contact Details

ID: 44

Name:Moneeb Ahmad

Email:moneebahmad@gmail.com

Contact:092373287932

[Go Back](#)

ADD:

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator:.....

SCHEMAS

Filter objects

atta_70082385_a4

contact

Tables

contact_db

Views

Stored Procedures

Functions

Administration Schemas

Information:.....

Schema: **contact**

Lab Assignment 4 contact_db x

Limit to 1000 rows

1 • SELECT * FROM contact.contact_db;

Result Grid

	id	name	email	contact
▶	39	Ahmad Moiz ul Haq	ahamdmoiz@gmail.com	982349782
	44	Moneeb Ahmad	moneebahmad@gmail.com	092373287932
	47	Atta Elahi	attatestelahi@gmail.com	0987335623
*	NULL	NULL	NULL	NULL

contact_db 2 x

Output

Action Output

#	Time	Action	Message
✓	1 11:41:10	SELECT * FROM contact.contact_db LIMIT 0, 1000	2 row(s) returned
✓	2 11:51:53	SELECT * FROM contact.contact_db LIMIT 0, 1000	3 row(s) returned

Update:

✓ Contact Updated Successfully

Add Contact

No.	Name	Email	Contact	Action		
1	Ahmad Moiz	ahamdmoiz@gmail.com	9823497437	Edit	Delete	View
2	Moneeb Ahmad	moneebahmad@gmail.com	092373287932	Edit	Delete	View
3	Atta Elahi	attatestelahi@gmail.com	0987335623	Edit	Delete	View

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator: Lab Assignment 4 contact_db x

SCHEMAS

Filter objects

- atta_70082385_a4
 - contact
 - Tables
 - contact_db
 - Views
 - Stored Procedures
 - Functions

Administration Schemas

Information

Schema: contact

1 • SELECT * FROM contact.contact_db;

Limit to 1000 rows

Result Grid

	id	name	email	contact
▶	39	Ahmad Moiz	ahamdmoiz@gmail.com	9823497437
	44	Moneeb Ahmad	moneebahmad@gmail.com	092373287932
	47	Atta Elahi	attatestelahi@gmail.com	0987335623
*	NULL	NULL	NULL	NULL

Delete:



Contact Deleted Successfully



Add Contact

No.	Name	Email	Contact	Action
1	Ahmad Moiz	ahamdmoiz@gmail.com	9823497437	Edit Delete View
2	Moneeb Ahmad	moneebahmad@gmail.com	092373287932	Edit Delete View

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator:

SCHEMAS

Filter objects

▶ att_70082385_a4

▼ contact

▶ Tables

▶ contact_db

Views

Stored Procedures

Functions

Administration Schemas

Information

Schema: **contact**

Lab Assignment 4 contact_db x

1 • `SELECT * FROM contact.contact_db;`

Limit to 1000 rows

Result Grid

	id	name	email	contact
▶	39	Ahmad Moiz	ahamdmoiz@gmail.com	9823497437
	44	Moneeb Ahmad	moneebahmad@gmail.com	092373287932
*	NULL	NULL	NULL	NULL

contact_db 4 x