

Create rest api `details.php` file :-

```
<?php
header("Access-Control-Allow-Origin: *");
header('Access-Control-Allow-Credentials: true');
header("Access-Control-Allow-Methods: PUT, GET, POST, DELETE");
header("Access-Control-Allow-Headers: Origin, X-Requested-With, Content-Type, Accept");
header("Content-Type: application/json; charset=UTF-8");

$host = "localhost";
$user = "root";
$password = "";
$dbname = "react_crud";
$id = "";

$con = mysqli_connect($host, $user, $password,$dbname);

$method = $_SERVER['REQUEST_METHOD'];

$request = explode('/', trim($_SERVER['PATH_INFO'],'/'));

if (!$con) {
    die("Connection failed: " . mysqli_connect_error());
}
```

```
switch ($method) {  
    case 'GET':  
        $id = $_GET['id'];  
        $sql = "select * from users".($id?" where id=$id:");  
        $output = array();  
  
        $result = mysqli_query($con, $sql);  
        if (mysqli_num_rows($result) > 0)  
            {  
  
while ($row = mysqli_fetch_array($result)) {  
    $users[] = $row;  
}  
echo json_encode($users);  
}  
  
        break;  
    }  
?>
```

read.php file code :-

```
<?php
```

```
header("Access-Control-Allow-Origin: *");
```

```
header('Access-Control-Allow-Credentials: true');
```

```
header("Access-Control-Allow-Methods: PUT, GET, POST, DELETE");
```

```
header("Access-Control-Allow-Headers: Origin, X-Requested-With, Content-Type, Accept");
```

```
header("Content-Type: application/json; charset=UTF-8");
```

```
$conn = mysqli_connect("localhost", "root", "", "react_crud");
```

```
$output = array();
```

```
$query = "SELECT * FROM users";
```

```
$result = mysqli_query($conn, $query);
```

```
if (mysqli_num_rows($result) > 0) {
```

```
while ($row = mysqli_fetch_array($result)) {
```

```
$users[] = $row;
```

```
}
```

```
echo json_encode($users);
```

```
}
```

?>

save.php file code :-

```
<?php
```

```
error_reporting(E_ALL);
```

```
ini_set('display_errors', 1);
```

```
header("Access-Control-Allow-Origin: *");
```

```
header("Access-Control-Allow-Headers: *");
```

```
header("Access-Control-Allow-Methods: *");
```

```
$user = json_decode( file_get_contents('php://input') );
```

```
echo json_encode($response);
```

```
$conn=mysqli_connect("localhost","root","","react_crud");
```

```
$name = mysqli_real_escape_string($conn, $user->name);
```

```
$email = mysqli_real_escape_string($conn, $user->email);
```

```
$mobile = mysqli_real_escape_string($conn, $user->mobile);
```

```
$sql="insert into users (name,email,mobile)values('$name','$email','$mobile)";
```

```
$result=mysqli_query($conn, $sql);
```

```
if($result)
```

```
{  
    $res="record inserted";  
    echo json_encode($res);  
}  
  
?>
```

Step 2 :-

Write code for `Listuser.js` file Component :-

```
import axios from "axios"  
import { useEffect, useState } from "react";  
import { Link } from "react-router-dom";  
  
export default function ListUser() {  
    const [users, setUsers] = useState([]);  
    useEffect(() => {  
        getUsers();  
    }, []);  
  
    function getUsers() {  
        axios.get('http://localhost/react/api/read.php').then(function(response)  
{  
            console.log(response.data);  
            setUsers(response.data);  
        });  
    }  
  
    const deleteUser = (id) => {  
        axios.delete('http://localhost/react/api/index.php/user/${id}/delete').th  
en(function(response){  
            console.log(response.data);  
            getUsers();  
        });  
    }  
    return (  

```

```

<div>
  <h1>List Users</h1>
  <table>
    <thead>
      <tr>
        <th>#</th>
        <th>Name</th>
        <th>Email</th>
        <th>Mobile</th>
        <th>Actions</th>
      </tr>
    </thead>
    <tbody>
      {users.map((user, key) =>
        <tr key={key}>
          <td>{user.id}</td>
          <td>{user.name}</td>
          <td>{user.email}</td>
          <td>{user.mobile}</td>
          <td>
            <Link to={`user/${user.id}/edit`}
style={{marginRight: "10px"}}>Edit</Link>
            <button onClick={() =>
deleteUser(user.id)}>Delete</button>
            <button onClick={()=>alert("button
clicked")}>test</button>
          </td>
        </tr>
      )}
    </tbody>
  </table>
</div>
)
}

```

Edituser.js file code :-

```

import { useState, useEffect } from "react";
import axios from "axios";
import { useNavigate, useParams } from "react-router-dom";

export default function ListUser() {
  const navigate = useNavigate();

```

```

const [inputs, setInputs] = useState([]);

const {id} = useParams();

useEffect(() => {
  getUser();
}, []);

function getUser() {
  axios.get(`http://localhost/react/api/details.php?id=${id}`).then(function(response) {
    console.log(response.data);
    setInputs(response.data);
  });
}

const handleChange = (event) => {
  const name = event.target.name;
  const value = event.target.value;
  setInputs(values => ({...values, [name]: value}));
}

const handleSubmit = (event) => {
  event.preventDefault();

  axios.put(`http://localhost/react/api/index.php/user/${id}/edit`,
inputs).then(function(response){
  console.log(response.data);
  navigate('/');
});
}

return (
  <>
  <div>
    <h1>Edit user</h1>

    <form onSubmit={handleSubmit}>
      <table cellSpacing="10">
        <tbody>
          <tr>
            <th>
              <label>Name: </label>
            </th>
            <td>

```

```

                <input value={inputs.name} type="text"
name="name" onChange={handleChange} />
            </td>
        </tr>
        <tr>
            <th>
                <label>Email: </label>
            </th>
            <td>
                <input value={inputs.email} type="text"
name="email" onChange={handleChange} />
            </td>
        </tr>
        <tr>
            <th>
                <label>Mobile: </label>
            </th>
            <td>
                <input value={inputs.mobile} type="text"
name="mobile" onChange={handleChange} />
            </td>
        </tr>
        <tr>
            <td colspan="2" align="right">
                <button>Save</button>
            </td>
        </tr>
    </tbody>
</table>
</form>

</div>

```

```

<div>
<h1>List Users</h1>
<table>
    <thead>
        <tr>
            <th>#</th>
            <th>Name</th>
            <th>Email</th>
            <th>Mobile</th>
            <th>Actions</th>
        </tr>
    </thead>

```

```

</thead>
<tbody>
  {inputs.map((user, key) =>
    <tr key={key}>
      <td><input type="text" value={user.id} /></td>
      <td><input type="text" value={user.name}/></td>
      <td><input type="text" value={user.email}/></td>
      <td><input type="text" value={user.mobile}/></td>

    </tr>
  )}

</tbody>
</table>
</div>
</>
)
}

```

Createuser.js file code :-

```

import { useState } from "react";
import axios from "axios";
import { useNavigate } from "react-router-dom";

export default function ListUser() {
  const navigate = useNavigate();

  const [inputs, setInputs] = useState([]);

  const handleChange = (event) => {
    const name = event.target.name;
    const value = event.target.value;
    setInputs(values => ({...values, [name]: value}));
  }

  const handleSubmit = (event) => {
    event.preventDefault();

    axios.post('http://localhost/react/api/save.php',
inputs).then(function(response){
    console.log(response.data);
    navigate('/');
  });
  });

```

```

}
return (
  <div>
    <h1>Create user</h1>
    <form onSubmit={handleSubmit}>
      <table cellSpacing="10">
        <tbody>
          <tr>
            <th>
              <label>Name: </label>
            </th>
            <td>
              <input type="text" name="name"
onChange={handleChange} />
            </td>
          </tr>
          <tr>
            <th>
              <label>Email: </label>
            </th>
            <td>
              <input type="text" name="email"
onChange={handleChange} />
            </td>
          </tr>
          <tr>
            <th>
              <label>Mobile: </label>
            </th>
            <td>
              <input type="text" name="mobile"
onChange={handleChange} />
            </td>
          </tr>
          <tr>
            <td colspan="2" align="right">
              <button>Save</button>
            </td>
          </tr>
        </tbody>
      </table>
    </form>
  </div>
)

```

```
}
```

App.js file code :-

```
import {BrowserRouter, Routes, Route, Link} from 'react-router-dom';
import './App.css';
import CreateUser from './components/CreateUser';
import EditUser from './components/EditUser';
import ListUser from './components/ListUser';

function App() {
  return (
    <>
    <div className="App">
      <h5>React CRUD operations using PHP API and MySQL</h5>

      <BrowserRouter>
        <nav>
          <ul>
            <li>
              <Link to="/">List Users</Link>
            </li>
            <li>
              <Link to="user/create">Create User</Link>
            </li>
          </ul>
        </nav>
        <Routes>
          <Route index element={<ListUser />} />
          <Route path="user/create" element={<CreateUser />} />
          <Route path="user/:id/edit" element={<EditUser />} />
        </Routes>
      </BrowserRouter>
    </div>
    </>
  );
}

export default App;
```