

[Practical-9]

Create Dynamic Table in React

1. Create a UI for add New Record
2. Display the records already stored in the Application
3. Add new Records in the Table to make it dynamic
4. Use React Bootstrap for the UI

Instructions:

- Write code of all files with the Heading in the Implementation section.
- Perform all the above activities.
- Add screenshots of your running React App Output.
- Follow the instructions properly to get the marks.

Implementation:

DynamicTable.js

```
import React, { useState } from 'react';

import "../node_modules/bootstrap/dist/css/bootstrap.css";

import Button from 'react-bootstrap/Button'; import './DynamicTable.css';

import {Table} from 'react-bootstrap';

function DTable() {

    var [sno, addSno] = useState(2);

    var [user, addUser] = useState("");

    var [pass, addPass] = useState("");

    var [email, addEmail] = useState("");

    var [rows, setRow] = useState(

        <tr>
```

```

        <td>1.</td>

        <td>Jai</td>

        <td>PLMOKN</td>

        <td>asdfg@gmail.com</td>

    </tr>

);

function add(e) {

    if(user=== "" || pass=== "" || email=== "")

        { alert("Invalid input");

        return; }

    setRow(

        <React.Fragment>

            {rows} <tr>

                <td>{sno}</td>

                <td>{user}</td>

                <td>{pass}</td>

                <td>{email}</td>

            </tr>

        </React.Fragment> )

    addSno(sno + 1);

    addUser("");

    addPass("");

    addEmail("");

}

return(

```

<>

<h1>React Dynamic Table</h1>

<div id="add">

<label htmlFor="">UserName</label>

<input type="text" value={user} onChange={(e) =>
addUser(e.target.value)}></input>

<label htmlFor="">Password</label>

<input type="password" value={pass} onChange={(e) =>
addPass(e.target.value)}></input>

<label htmlFor="">Email Id:</label>

<input type="mail" value={email} onChange={(e) =>
addEmail(e.target.value)}></input>

<Button variant="primary" size="xxl" type="button"
onClick={add}>Add User</Button>

</div>

<div className="container mt-3">

<Table borderless responsive>

<thead>

<tr>

<th>SNo.</th>

<th>UserName</th>

<th>Password</th>

<th>Email Id</th>

</tr>

</thead>

<tbody class="thead-light">{rows}</tbody>

</Table>

```

        </div>

    </> )

}

export default DTable;

DynamicTable.css

.btn-primary { color: rgb(255, 255, 255); }

.btn-primary:hover { color: black; background-color: rgb(0, 17, 255); }

.btn-xxl { padding: .4rem .9rem; font-size: 1.4rem; font-weight: 550; }

#add{ display: flex; justify-content: space-evenly; align-items: center; }

label { font-size: x-large; }

input { border-radius: 5px; height: 45px; width: 220px; outline: none; }

h1 { text-align: center; font-weight: 500; font-family: Arial, Helvetica, sans-serif; font-size: 50px;
margin: 20px 0 40px 0; }

Table { margin-top: 80px; }

Table thead { background-color: rgb(255, 187, 0); text-align: center; }

td { text-align: center; font-size: x-large; font-weight: 500; }

th { text-align: center; font-size: x-large; font-weight: 700; }

App.js

import './App.css'; import React from 'react';

import DTable from './DynamicTable';

function App() { return ( <> <DTable/> </> ) }

export default App;

```



React Dynamic Table

UserName Password Email Id: [Add User](#)

SNo.	UserName	Password	Email Id
1.	Jai	PLMOKN	asdfg@gmail.com



React Dynamic Table

UserName Password Email Id: [Add User](#)

SNo.	UserName	Password	Email Id
1.	Jai	PLMOKN	asdfg@gmail.com
2.	Hardik	passWord	pandya@gmail.com
3.	Rohit	Hitman	sharmaji@hotmail.com
4.	Virat Kohli	TheRunMachine	captain@icloud.com



React Dynamic Table

UserName Password Email Id: [Add User](#)

SNo.	UserName	Password	Email Id
1.	Jai	PLMOKN	asdfg@gmail.com
2.	Hardik	passWord	pandya@gmail.com
3.	Rohit	Hitman	sharmaji@hotmail.com
4.	Virat Kohli	TheRunMachine	captain@icloud.com



React Dynamic Table

UserName Password Email Id: [Add User](#)

SNo.	UserName	Password	Email Id
1.	Jai	PLMOKN	asdfg@gmail.com

Invalid input
[OK](#)