

### Step1: Project and Folders

```
C:\demo\jsmarch24\L15>mkdir p1_ss_project
C:\demo\jsmarch24\L15>cd p1_ss_project
C:\demo\jsmarch24\L15\p1_ss_project>mkdir client
C:\demo\jsmarch24\L15\p1_ss_project>mkdir server
```

### Step2: React

#### S1:

```
C:\demo\jsmarch24\L15\p1_ss_project>cd client
C:\demo\jsmarch24\L15\p1_ss_project\client>npx create-react-app ss_app
C:\demo\jsmarch24\L15\p1_ss_project\client>cd ss_app
C:\demo\jsmarch24\L15\p1_ss_project\client\ss_app>npm install axios
C:\demo\jsmarch24\L15\p1_ss_project\client\ss_app>cd src
C:\demo\jsmarch24\L15\p1_ss_project\client\ss_app\src>notepad Success.js
C:\demo\jsmarch24\L15\p1_ss_project\client\ss_app\src>cd..
C:\demo\jsmarch24\L15\p1_ss_project\client\ss_app>npm start
```

#### S2:

##### Success.js

```
import { useState, useRef } from "react";
import axios from "axios";
function Success()
{
    const rName = useRef();
    const [name, setName] = useState("");
    const [company, setCompany] = useState("");
    const [pkg, setPkg] = useState("");
    const [msg, setMsg] = useState("");

    const hName = (event) => { setName(event.target.value); }
    const hCompany = (event) => { setCompany(event.target.value); }
    const hPkg = (event) => { setPkg(event.target.value); }

    const save = (event) => {
        event.preventDefault();
        let data = { name, company, pkg };
        let url = "http://localhost:9000/save";
        axios.post(url, data)
            .then(res => {
                if (res.data.affectedRows==1)
                {
                    setMsg("Congrats");
                    setName("");
                    setCompany("");
                    setPkg("");
                    rName.current.focus();
                }
            })
            .catch(err => console.log("issue " + err));
    }
}
```



```

    return(
      <>
      <center>
        <h1> Success Story App </h1>
        <form onSubmit={save}>
          <input type="text" placeholder="enter name "
            onChange={ hName} value={name} ref={rName}/>
          <br/><br/>
          <input type="text" placeholder="enter company name "
            onChange={ hCompany } value={company} />
          <br/><br/>
          <input type="number" step="any" placeholder="enter pkg"
            onChange={ hPkg } value={ pkg } />
          <br/><br/>
          <input type="submit" />
        </form>
        <h2> { msg } </h2>
      </center>
    </>
  );
}
export default Success;

```

### App.js

```

import logo from './logo.svg';
import './App.css';
import Success from './Success';

```

```

function App() {
  return (
    <Success/>
  );
}
export default App;

```

### App.css

```

*
{
  font-size:3vw;
  font-family:Century;
}

body
{
  background-color: azure;
}

```



### Step3: Express

#### S1:

```
C:\demo\jsmarch24\L15\p1_ss_project\server>npm install express cors mysql2
C:\demo\jsmarch24\L15\p1_ss_project\server>notepad index.js
C:\demo\jsmarch24\L15\p1_ss_project\server>nodemon index.js
```

#### S2:

##### index.js

```
const express = require("express");
const cors = require("cors");
const mysql = require("mysql2");

const app = express();
app.use(cors());
app.use(express.json());

let con = mysql.createConnection({
  host: "localhost",
  user: "root",
  password: "abc456",
  database: "ss4april24"
});

app.post("/save", (req, res) => {
  let data = [req.body.name, req.body.company, req.body.pkg];
  let sql = "insert into student values(?, ?, ?)";
  con.query(sql, data, (err, result) => {
    if (err) res.send(err);
    else res.send(result);
  });
});

app.listen(9000, () => { console.log("server ready @ 9000") });
```

### Step4: MySQL

```
C:\Program Files\MySQL\MySQL Server 8.0\bin>mysql -uroot -pabc456
mysql> create database ss4april24;
mysql> use ss4april24;
mysql> create table student
-> (
-> name text,
-> company text,
-> pkg real
-> );

mysql> select * from student;
```