

Step1: Project and Folders

```
C:\demo\jsmarch24\L18>mkdir p1_ss_project
C:\demo\jsmarch24\L18>cd p1_ss_project
C:\demo\jsmarch24\L18\p1_ss_project>mkdir client
C:\demo\jsmarch24\L18\p1_ss_project>mkdir server
```

Step2: ReactJs

S1:

```
C:\demo\jsmarch24\L18\p1_ss_project>cd client
C:\demo\jsmarch24\L18\p1_ss_project\client>npx create-react-app ssapp
C:\demo\jsmarch24\L18\p1_ss_project\client>cd ssapp
C:\demo\jsmarch24\L18\p1_ss_project\client\ssapp>npm install axios
C:\demo\jsmarch24\L18\p1_ss_project\client\ssapp>cd src
C:\demo\jsmarch24\L18\p1_ss_project\client\ssapp\src>notepad Success.js
C:\demo\jsmarch24\L18\p1_ss_project\client\ssapp\src>cd..
C:\demo\jsmarch24\L18\p1_ss_project\client\ssapp>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 => {
                setMsg("congrats");
                setName("");
                setCompany("");
                setPkg("");
                rName.current.focus();
            })
            .catch(err => setMsg("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 package "
        onChange={hPkg} value={pkg} />
      <br/><br/>
      <input type="submit" />
      <br/><br/>
    </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:2vw;
}

```


Step3: ExpressJS

S1:

```
C:\demo\jsmarch24\L18\p1_ss_project\server>npm install express cors mongodb
C:\demo\jsmarch24\L18\p1_ss_project\server>notepad index.js
C:\demo\jsmarch24\L18\p1_ss_project\server>nodemon index.js
```

S2:

index.js

```
const express = require("express");
const cors = require("cors");
const { MongoClient } = require("mongodb");

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

app.post("/save", (req, res) => {
  const url = "mongodb://0.0.0.0:27017";
  const client = new MongoClient(url);
  const db = client.db("ss16april24");
  const coll = db.collection("student");
  const doc = { "name": req.body.name, "company": req.body.company, "pkg": req.body.pkg };
  coll.insertOne(doc)
    .then(result => res.send(result))
    .catch(error => res.send(error));
});

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

Step4: MongoDB

```
C:\Program Files\MongoDB\Server\6.0\bin>mongosh
test> use ss16april24
ss16april24> show collections;
student
ss16april24> db.student.find();
```