

Step1: Project and Folders

```
C:\demo\jsmarch24\L15>mkdir p2_fb_project
C:\demo\jsmarch24\L15>cd p2_fb_project
C:\demo\jsmarch24\L15\p2_fb_project>mkdir client
C:\demo\jsmarch24\L15\p2_fb_project>mkdir server
```

Step2: React

S1:

```
C:\demo\jsmarch24\L15\p2_fb_project>cd client
C:\demo\jsmarch24\L15\p2_fb_project\client>npx create-react-app fb_app
C:\demo\jsmarch24\L15\p2_fb_project\client> cd fb_app
C:\demo\jsmarch24\L15\p2_fb_project\client\fb_app>npm install axios
C:\demo\jsmarch24\L15\p2_fb_project\client\fb_app>cd src
C:\demo\jsmarch24\L15\p2_fb_project\client\fb_app\src>notepad Feedback.js
C:\demo\jsmarch24\L15\p2_fb_project\client\fb_app\src>cd..
C:\demo\jsmarch24\L15\p2_fb_project\client\fb_app>npm start
```

S2:

Feedback.js

```
import { useState, useRef } from "react";
import axios from "axios";

function Feedback()
{
    const rName = useRef();
    const [name, setName] = useState("");
    const [feedback, setFeedback] = useState("excellent");
    const [msg, setMsg] = useState();

    const hName = (event) => { setName(event.target.value); }
    const hFeedback = (event) => { setFeedback(event.target.value); }

    const save = (event) => {
        event.preventDefault();
        let data = { name, feedback };
        let url = "http://localhost:9000/save";
        axios.post(url, data)
            .then(res => {
                if (res.data.affectedRows == 1)
                {
                    setMsg("thanks for the feedback");
                    setName("");
                    setFeedback("excellent");
                    rName.current.focus();
                }
            })
            .catch(err => setMsg("issue " + err));
    }
}
```



```

    return(
      <>
      <center>
        <h1> Feedback Please </h1>
        <form onSubmit={save }>
          <input type="text" placeholder="enter name"
            onChange={hName} value={name} ref={rName} />
          <br/><br/>
          <input type="radio" name="f" value="excellent"
            onChange={hFeedback} checked={ feedback == "excellent"}
            defaultChecked={true}/>Excellent
          <input type="radio" name="f" value="good"
            onChange={hFeedback} />Good
          <input type="radio" name="f" value="ok"
            onChange={hFeedback} />Ok
          <br/><br/>
          <input type="submit" />
        </form>
        <h2> { msg } </h2>
      </center>

    </>
  );
}
export default Feedback;

```

App.js

```

import logo from './logo.svg';
import './App.css';
import Feedback from "./Feedback";

function App() {
  return (
    <Feedback/>
  );
}

```

export default App;

App.css

```

* { font-size:2vw; font-family:Century; }
body { background-color: azure; }

```


Step3: Express

S1:

```
C:\demo\jsmarch24\L15\p2_fb_project\server>npm install express cors mysql2
C:\demo\jsmarch24\L15\p2_fb_project\server>notepad index.js
C:\demo\jsmarch24\L15\p2_fb_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());

const con = mysql.createConnection({
  host: "localhost",
  user: "root",
  password: "abc456",
  database: "fb4april24"
});

app.post("/save", (req, res) => {
  let data = [req.body.name, req.body.feedback];
  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("ready @ 9000"); });
```

Step4: MySQL

```
mysql> create database fb4april24;
mysql> use fb4april24;
mysql> create table student(name text, feedback text);
mysql> select * from student;
```