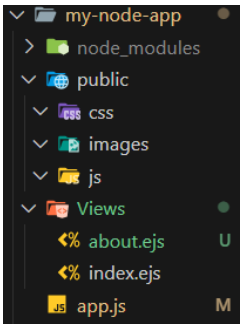
Experiment 13
POST Request

Experiment 13: POST Request
Lab Objective: Setup Post Request

Step 1: Set Up the Project Structure:



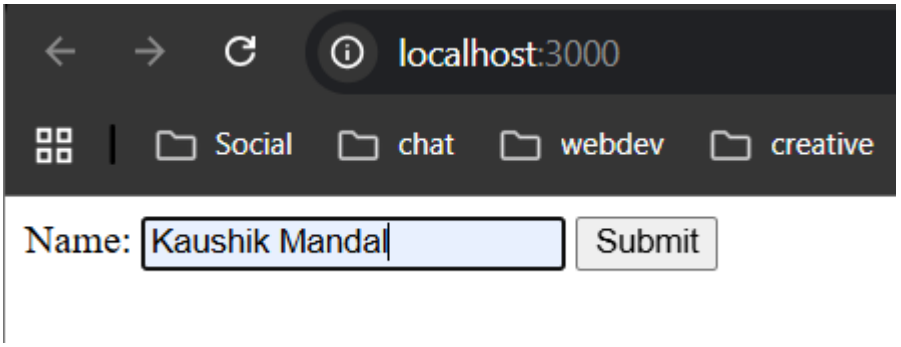

```
PS D:\Collage\3rd_year\Gulsan_Sir\Backend\my-node-app> npm install express ejs

up to date, audited 76 packages in 2s

14 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
```

Step 2: Create a Simple Express Server

```
const express = require('express');
const app = express();
const port = 3000;

// Middleware to parse incoming request bodies (for form data)
app.use(express.urlencoded({ extended: true }));

// Route to serve HTML form
app.get('/', (req, res) => {
    res.send(`
        <form action="/submit" method="POST">
            <label for="name">Name:</label>
            <input type="text" id="name" name="name" required>
            <button type="submit">Submit</button>
        </form>
    `);
});

// Route to handle POST request
app.post('/submit', (req, res) => {
    const name = req.body.name;
    res.send(`Hello, ${name}! Your form was submitted successfully.`);
});

// Start the server
app.listen(port, () => {
    console.log(`Server is running on http://localhost:${port}`);
});
```

Step 3: Explanation of Code
(i) express.urlencoded({ extended: true }): This middleware is used to parse incoming form data from POST requests.
(ii) GET Route ('/'): Serves an HTML form for the user to submit data.
(iii) POST Route ('/submit'): Handles the data sent via the POST request from the form,extracts the "name" input, and responds with a message.

Step 5: Run the Server



Step 5: Testing the POST Request