

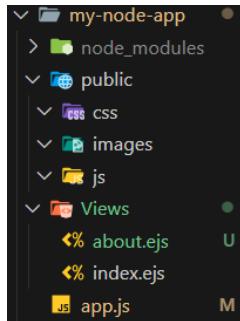
Experiment 13

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

```
1 const express = require('express');
2 const app = express();
3 const port = 3000;
4
5 // Middleware to parse incoming request bodies (for form data)
6 app.use(express.urlencoded({ extended: true }));
7
8 // Route to serve HTML form
9 app.get('/', (req, res) => {
10   res.send(`

11     <form action="/submit" method="POST">
12       <label for="name">Name:</label>
13       <input type="text" id="name" name="name" required>
14       <button type="submit">Submit</button>
15     </form>
16   `);
17 });
18
19 // Route to handle POST request
20 app.post('/submit', (req, res) => {
21   const name = req.body.name;
22   res.send(`Hello, ${name}! Your form was submitted successfully.`);
23 });
24
25 // Start the server
26 app.listen(port, () => {
27   console.log(`Server is running on http://localhost:${port}`);
28 });
```

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

A screenshot of a web browser window. The address bar shows 'localhost:3000'. Below the address bar is a navigation bar with icons for back, forward, and refresh, followed by a folder icon and the text 'Social', 'chat', 'webdev', and 'creative'. The main content area contains a form with a text input field labeled 'Name:' containing 'Kaushik Mandal' and a 'Submit' button.

Step 5: Testing the POST Request

