

## Experiment 6

### Introduction to Template Engines & EJS

**Experiment 6:** Introduction to Template Engines & EJS

**Lab Objective:** Template Engines & EJS

**Step 1:** Set Up Express Application:

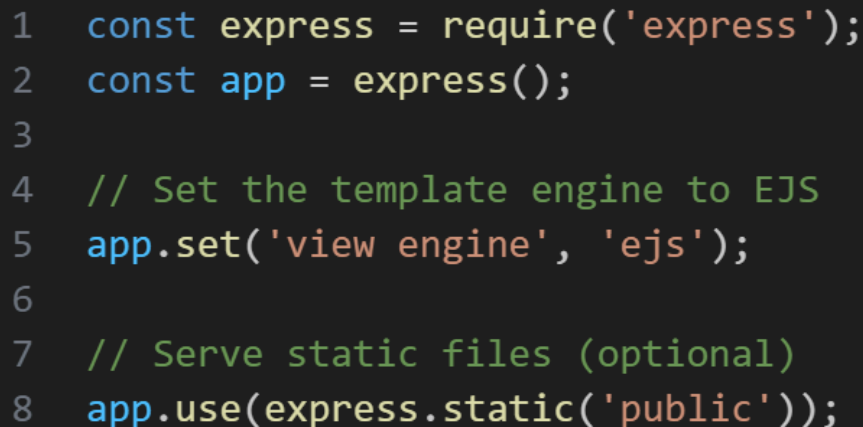
```
PS C:\Users\91959\Desktop\Collage\3rd_year\Gulsan_Sir\Backend\my-node-app> npm install express ejs

added 8 packages, and audited 76 packages in 2s

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

found 0 vulnerabilities
```

**Step 2:** Configure Express to Use EJS:



```
1  const express = require('express');
2  const app = express();
3
4  // Set the template engine to EJS
5  app.set('view engine', 'ejs');
6
7  // Serve static files (optional)
8  app.use(express.static('public'));
```

**Step 3:** Create Views Folder:

```
PS C:\Users\91959\Desktop\Collage\3rd_year\Gulsan_Sir\Backend\my-node-app> mkdir Views

Directory: C:\Users\91959\Desktop\Collage\3rd_year\Gulsan_Sir\Backend\my-node-app

Mode                LastWriteTime         Length Name
----                -
d-----          02-09-2025    23:22           Views
```

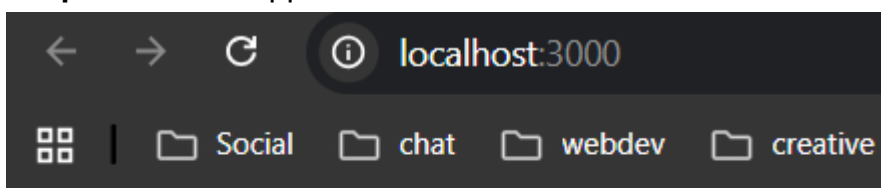
#### Step 4: Create EJS Template File:

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Home</title>
7 </head>
8 <body>
9   <h1>Welcome to <%= siteTitle %></h1>
10  <p>Hello, <%= user %>! Welcome to our site.</p>
11 </body>
12 </html>
```

#### Step 5: Create Route to Render EJS Template:

```
1 app.get('/', (req, res) => {
2   res.render('index', { siteTitle: 'My EJS Site', user: 'Kaushik Mandal' });
3 });
```

#### Step 6: Run the Application:



# Welcome to My EJS Site

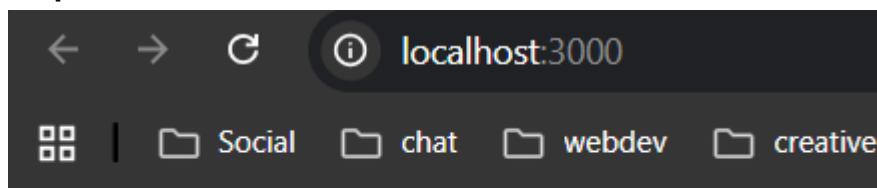
Hello, Kaushik Mandal! Welcome to our site.

### Step 7: Dynamic Content and Logic in EJS:

```
1 <ul>
2   <% items.forEach(function(item) { %>
3     <li><%= item %></li>
4   <% }); %>
5 </ul>
```

```
1 app.get('/', (req, res) => {
2   res.render('index', { siteTitle: 'My EJS Site', user: 'Kaushik Mandal',
3     items: ['Item 1', 'Item 2', 'Item 3'] });
4 });
```

### Step 8: Restart and Test:



# Welcome to My EJS Site

Hello, Kaushik Mandal! Welcome to our site.

- Item 1
- Item 2
- Item 3

