

# 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

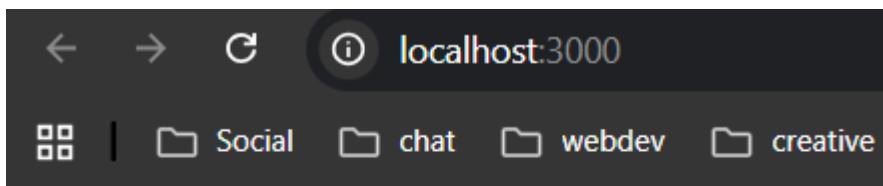
**Step 4:** Create EJS Template File:

```
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

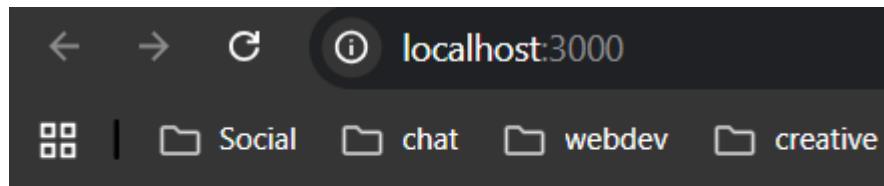
Hello, Kaushik Mandal! Welcome to our site.

**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

