

Here's a step-by-step guide to build an Express app that displays 5–6 static pages using .ejs :-

1. Prerequisites

Make sure you have Node.js installed.

□ Install Express and EJS:

1) Open your command prompt in windows and type following commands:-

```
D:\>mkdir express-project1  
D:\>cd express-project1
```

2) `npm init -y`

```
D:\express-project1>npm init -y  
Wrote to D:\express-project1\package.json:  
  
{  
  "name": "express-project1",  
  "version": "1.0.0",  
  "description": "",  
  "main": "index.js",  
  "scripts": {  
    "test": "echo \"Error: no test specified\" && exit 1"  
  },  
  "keywords": [],  
  "author": "",  
  "license": "ISC",  
  "type": "commonjs"  
}
```

3) `npm install express ejs`

```
D:\express-project1>npm install express ejs
```

4) Here's a **step-by-step guide** to build an Express app that displays **5–6 static pages using .ejs**.

□ **Goal**

Serve pages like:

- Home
- About
- Services
- Contact
- Portfolio
- FAQ

Using **Express.js + EJS (Embedded JavaScript Templates)**.

□ **1. Prerequisites**

Make sure you have Node.js installed.

□ **Install Express and EJS:**

```
npm init -y  
npm install express ejs
```

□ 2. Project Structure

```
express-project1/  
├── views/  
│   ├── home.ejs  
│   ├── about.ejs  
│   ├── services.ejs  
│   ├── contact.ejs  
│   ├── portfolio.ejs  
│   └── faq.ejs  
├── public/  
│   └── css/  
│       └── style.css  
└── app.js
```

□ 3. `app.js` (Main Server File)

```
const express = require('express');  
const app = express();  
const PORT = 3000;  
  
// Set view engine  
app.set('view engine', 'ejs');  
  
// Serve static files like CSS  
app.use(express.static('public'));  
  
// Routes  
app.get('/', (req, res) => {  
  res.render('home');  
});  
  
app.get('/about', (req, res) => {  
  res.render('about');  
});  
  
app.get('/services', (req, res) => {  
  res.render('services');  
});  
  
app.get('/contact', (req, res) => {  
  res.render('contact');  
});  
  
app.get('/portfolio', (req, res) => {  
  res.render('portfolio');  
});  
  
app.get('/faq', (req, res) => {  
  res.render('faq');
```

```
});  
  
app.use((req, res) => { res.status(404).render('404'); });  
  
app.listen(PORT, () => {  
  console.log(`Server is running at http://localhost:${PORT}`);  
});
```

❑ 4. Sample EJS Pages

Example: views/home.ejs

```
<!DOCTYPE html>  
  
<html>  
  
  <head>  
  
    <title>Home</title>  
  
    <link rel="stylesheet" href="/css/style.css">  
  
  </head>  
  
  <body>  
  
    <%- include('partials/nav') %>  
  
    <h1>Welcome to the Home Page</h1>  
  
  </body>  
  
</html>
```

You can copy and modify this for the other pages (about.ejs, services.ejs, etc.) with their respective content.

views/404.ejs :-

```
<!DOCTYPE html>

<html>

<head>

  <title>Page Not Found</title>

  <link rel="stylesheet" href="/css/style.css">

</head>

<body>

  <%- include('partials/nav') %>


  <h1>404 - Page Not Found</h1>

  <p>Sorry, the page you are looking for does not exist.</p>

  <a href="/">Go back to Home</a>

</body>

</html>
```

□ 5. Optional CSS (public/css/style.css)

```
body {
  font-family: Arial, sans-serif;
  background: #f4f4f4;
  margin: 40px;
  color: #333;
}
a {
  margin-right: 10px;
}
```

□ 2. about.ejs

```
<!DOCTYPE html>
<html>
<head>
  <title>About Us</title>
  <link rel="stylesheet" href="/css/style.css">
</head>
<body>
  <%- include('partials/nav') %>

  <h1>About Us</h1>
  <p>We are a team of developers passionate about web development.</p>
</body>
</html>
```

□ 3. services.ejs

```
<!DOCTYPE html>
<html>
<head>
  <title>Our Services</title>
  <link rel="stylesheet" href="/css/style.css">
</head>
<body>
  <%- include('partials/nav') %>

  <h1>Our Services</h1>
  <ul>
    <li>Web Development</li>
    <li>Mobile App Development</li>
    <li>UI/UX Design</li>
    <li>SEO Optimization</li>
  </ul>
  <%- include('partials/nav') %>
</body>
</html>
```

□ 4. contact.ejs

```
<!DOCTYPE html>
<html>
<head>
  <title>Contact Us</title>
  <link rel="stylesheet" href="/css/style.css">
</head>
<body>
  <%- include('partials/nav') %>

  <h1>Contact Us</h1>
  <p>Feel free to reach out to us via email or phone.</p>
  <ul>
    <li>Email: contact@example.com</li>
    <li>Phone: +1 123 456 7890</li>
  </ul>
  <%- include('partials/nav') %>
</body>
</html>
```

□ 5. portfolio.ejs

```
<!DOCTYPE html>
<html>
<head>
  <title>Our Portfolio</title>
  <link rel="stylesheet" href="/css/style.css">
</head>
<body>
  <%- include('partials/nav') %>

  <h1>Our Portfolio</h1>
  <p>Here are some of our recent projects:</p>
  <ul>
    <li>Project Alpha</li>
    <li>Project Beta</li>
    <li>Project Gamma</li>
  </ul>
  <%- include('partials/nav') %>
</body>
</html>
```

□ 6. faq.ejs

```

<!DOCTYPE html>
<html>
<head>
  <title>FAQ</title>
  <link rel="stylesheet" href="/css/style.css">
</head>
<body>
  <%- include('partials/nav') %>

  <h1>Frequently Asked Questions</h1>
  <ul>
    <li><strong>Q:</strong> What services do you
offer?<br><strong>A:</strong> Web, Mobile, UI/UX, SEO</li>
    <li><strong>Q:</strong> How can I contact you?<br><strong>A:</strong>
Via email or phone on the contact page.</li>
    <li><strong>Q:</strong> Where are you located?<br><strong>A:</strong>
We work remotely around the world.</li>
  </ul>
  <%- include('partials/nav') %>
</body>
</html>

```

views/partials/nav.ejs – Reusable Nav Bar

Create a `partials` folder inside `views/`, then create `nav.ejs` for navigation:

```

<nav>
  <hr>
  <a href="/">Home</a> |
  <a href="/about">About</a> |
  <a href="/services">Services</a> |
  <a href="/contact">Contact</a> |
  <a href="/portfolio">Portfolio</a> |
  <a href="/faq">FAQ</a>
  <hr>
</nav>

```

In each page, we use `<%- include('partials/nav') %>` to insert the nav bar.

Basic CSS (Optional)

Add to `public/css/style.css`:

```
body {  
  font-family: Arial, sans-serif;  
  padding: 30px;  
  background-color: #f9f9f9;  
  color: #333;  
}  
  
nav a {  
  text-decoration: none;  
  margin-right: 15px;  
  color: #007bff;  
}  
  
nav a:hover {  
  text-decoration: underline;  
}
```

☐ **Done!**

Start your server:

```
node app.js
```

Then visit:

```
http://localhost:3000/
```

