

EJS (Embedded JavaScript)

The **EJS (Embedded JavaScript)** template engine in ExpressJS allows you to write HTML templates with embedded JavaScript code, making it easier to generate dynamic web pages. It works by injecting dynamic content (like data from a database or user input) into HTML pages before they are sent to the browser.

Here's a simple breakdown:

1. **HTML + JavaScript:** With EJS, you write mostly HTML, but you can embed JavaScript code using special tags like `<%= %>` for displaying data or `<% %>` for logic (like loops or conditionals).
2. **Dynamic Content:** EJS lets you insert dynamic values (like a user's name or a list of products) into your web pages, which makes your website interactive and personalized.
3. **Rendering Views:** In an Express app, you typically set up EJS to render views (HTML pages). When a user visits a route, Express renders the corresponding EJS file, fills in the dynamic data, and sends the final HTML to the browser.

Example:

EJS file (`index.ejs`):

```
<!DOCTYPE html>
<html>
<head>
  <title>Welcome</title>
</head>
<body>
  <h1>Welcome, <%= user.name %>!</h1>
  <ul>
    <% items.forEach(function(item) { %>
      <li><%= item %></li>
```

```
        <% }); %>
    </ul>
</body>
</html>
```

ExpressJS route:

```
app.get('/', (req, res) => {
  res.render('index', { user: { name: 'John' }, items: ['Apple', 'Banana', 'Cherry'] });
});
```

In this example, the EJS template inserts the user's name (John) and loops through the items array to generate a list.

Key Points:

- **EJS is like HTML with embedded JavaScript.**
- It is used to create dynamic pages that change based on data.
- You can use it to inject variables, loops, and conditionals directly into your HTML.

Ejs = <https://ejs.co/>

Ejs for express = <https://github.com/mde/ejs/wiki/Using-EJS-with-Express>