

EJS (Embedded JavaScript Templates)

HTML + small pieces of JavaScript to display dynamic data

EJS (Embedded JavaScript Templates) is a server-side templating engine for Express that lets you generate HTML using JavaScript.

Why EJS?

Express does not render HTML by itself.

EJS provides:

- HTML templates
- Variables
- Loops & conditionals
- Partials (reusable layouts)

Similar to:

- Blade (PHP/Laravel)
- Jinja (Python/Flask)

Express + EJS Flow

Browser → Express Route → EJS Template → Final HTML

Example:

```
app.get('/hello', (req, res) => {
  res.render('hello', { name: 'Sam' });
});
```

Express renders `views/hello.ejs`, and replaces name with 'Sam'.

EJS Example Template

We can use JavaScript expressions in the EJS Template in <%=

... = > .

hello.ejs :

```
<h1>Hello <%= name %>!</h1>
```

Renders:

```
<h1>Hello Sam!</h1>
```

Insert variable

```
<p><%= user.email %></p>
```

Loop

```
<% posts.forEach(p => { %>
  <li><%= p.title %></li>
<% }) %>
```

If

```
<% if(isAdmin){ %>
  <button>Admin</button>
<% } %>
```

Enabling EJS in Express

```
app.set('view engine', 'ejs');
```

Express automatically uses `views/` as the folder.

Example: index_ejs.js

```
app.get('/list', function(req, resp){  
    runListGet(req, resp);  
});  
  
async function runListGet(req, resp) {  
    try {  
        const posts = db.collection(POSTS);  
        const res = await posts.find().toArray();  
        const query = { posts: res };  
        resp.render('list.ejs', query)  
    } catch (e) {  
        console.error(e);  
    }  
}
```