



Video 4.5

EJS

Chris Murphy

Review

- Node.js and Express allow us to build server-side web apps in JavaScript
- HTTP Requests and Responses are represented as JavaScript objects
- We can get data from user either via the URL or through form submissions

Name:

I like:

- ☐ Dogs
- ☐ Cats
- ☐ Birds

Submit form!

Name:

I like:

☒ Dogs

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Submit form!

Hello, Sahana, nice to meet you.

Here are the animals you like:

- dogs
- birds

[Back to form](#)

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What is EJS?

- EJS, or **EmbeddedJS**, is a **view engine** that uses data and embedded JavaScript to produce HTML
- This allows webpages to be developed statically and rendered dynamically server-side
- EmbeddedJS is a package that can be installed with the command: **npm install ejs**

Using EJS in an Express app

- Set EJS as the default rendering method in your app with `app.set('view engine', 'ejs');`

```
var express = require('express');
var app = express();

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

app.get('/', (req, res) => {
  res.render('welcome', {username: 'CandyLover'});
});
```


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- Arguments to the .ejs file are passed as objects

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Writing EJS files

- A .ejs file is just an HTML file that has JavaScript code embedded in it
- Anything between `<%=` and `%>` tags will be evaluated and incorporated into the HTML
- By default, the .ejs files should be in the **views/** subdirectory of the Express project

```
<!-- This is views/welcome.ejs -->

<!DOCTYPE html>
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EJS and JavaScript

- EJS will execute any JavaScript that appears between `<%` and `%>` tags when generating the HTML page on the server

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res.render('welcome', {username: 'CandyLover', isAdmin: true});
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Summary

- **EJS** allows webpages to be developed statically and rendered dynamically server-side
- An Express app can generate and send the HTML from a .ejs file using the Response's **render** function
- EJS will execute any JavaScript that appears between **<%** and **%>** tags when generating the HTML page on the server