

EJS & Express Views

Reflection on Express Model Homework

- In the Express Model homework due today, what was the most challenging problem you overcame and what did you learn from it?
- For GET and one other HTTP method
 - List in order the sequence of JavaScript functions that are called, from user click to the final change in the browser display
 - And indicate for each whether it is executed on the browser or the server

Template Engines

- There are a large number of template engines available (but a few have wide adoption).
- Expressjs can work directly with 21+
 - See: <https://github.com/expressjs/express/wiki#template-engines>
- In this class, we will prescribe using EJS
 - Short for *Embedded JavaScript*
 - Large user base
 - Well supported
 - Simply JavaScript within an HTML template
 - <https://ejs.co>

Template Engines

- Template Engines are the *mail merge* of web pages
- Typically consist of
 - Static representations of html
 - Either directly (e.g. EJS)
 - Or indirectly (e.g. Pug (FKA Jade))
 - With the capability to include code
 - E.g. to loop, reference variables, do conditionals, etc.

```
body
  h1 Jade - node template engine
  #container.col
    if youAreUsingJade
      p You are amazing
    else
      p Get on it!
```

EJS Basics

- `.ejs` is the typical file suffix
- `<%`
 - Execute JavaScript code
- `<%=`
 - Outputs the value into the template (HTML escaped)
- `<%-`
 - Outputs the unescaped value into the template
- `%>`
 - Ending tag
- `<%- include ./header.ejs %>`
 - Includes the header.ejs file

Demonstrations

<https://viewsdemo.67328.is>

- [/action1](https://viewsdemo.67328.is/action1)
- [/gdp](https://viewsdemo.67328.is/gdp)
- [/gdp/France](https://viewsdemo.67328.is/gdp/France)
- [/sayto/Homer?message=Duh!](https://viewsdemo.67328.is/sayto/Homer?message=Duh!)

Source: https://viewsdemo.67328.is/_src