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WEB 340: Discussion 5.1

Professor Krasso

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Express Template Engines

The first template engine I researched was Pug, formally known as Jade. Some features of Pug are that its whitespace sensitive. So, it will figure out which tags belong where based off of indentations. Most recognizable is that Pug does not use closing tags, this saves times and makes the code easier to read. An example of Pug in action would be:

div.remark

p Pug rocks!!

The above code would look like this in HTML:

<div class= “remark”>

<p>Pug rocks!!</p>

</div>

Notice that the double space before the p tag in the Pug coding places the p tag within the div. If there would be no indentation, the p tag would be placed outside of the div.

Pug is clear, concise, and simple. It allows templates to be reused, and because they are in the HTML they do not need to be processed by the server for each request- so there are faster load times when using Pug. However, Pug does require the developer to relearn how they code HTML and can sometimes have compatibility issues with older browsers. I chose to research Pug because of its popularity and its relative ease to learn.

The second Express template engine that I researched was EJS. I chose EJS because it seemed like a practical template engine to learn and know. "EJS is a simple templating language that lets you generate HTML markup with plain JavaScript” (Earnisse, n.d.). The pull of EJS is that it just uses JavaScript. There is no need to relearn anything. Using EJS saves time because its simple. It is easy to debug, and it has fast execution.

This is how EJS looks in a file:

<% if (user){ %>

<h2><%= user.name %></h2>

<% } %>

Resources:

Hibbard, J. (2021, September 3). *Pug HTML template engine: A beginner's guide*. SitePoint. Retrieved January 30, 2023, from https://www.sitepoint.com/a-beginners-guide-to-pug/

Ubercompute. (2022, December 2). *Benefits of using Pug template over traditional HTML*. Ubercompute. Retrieved January 30, 2023, from https://www.ubercompute.com/blog/benefits-of-using-pug-template-over-traditional-html/#Drawbacks\_of\_using\_Pug

Eernisse, M. (n.d.). EJS. Retrieved January 30, 2023, from https://ejs.co/