Documentation Packet Week Ending [Sep 24th]

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| Team: \_\_\_\_\_\_\_ | Student: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

# Goals:

* Successfully use EJS to create templates to serve with ExpressJS
  + (Change the output of a webpage before sending to the user)
* Use repository branching to organize complex Git projects
* Review the basics of Javascript and prepare to study the language

# Included Documentation

* Notebook 4: EJS (pg. 2)



* Upgrade Your Team Website with EJS (pg. 2)



* Codecademy Setup



* Download from cloud ExpressJS with EJS Links

# Required Documentation

* Upgrade Team Website with EJS



*  “Notebook 4: ReactJS (pg. 2)”
* Pencil Svg Png Icon Free Download (#376363 ... Codecademy “Learn Javascript” course, “Introduction” Chapter
  + Includes both Lessons, both Projects, the Quiz, and Article

# Changes:

* Added “Pencil Svg Png Icon Free Download (#376363 ...” to indicate Mr. Smith will manually grade these without any need for submission. The task must be completed by the end of the day that the DocPac is to be submitted.
* Reflections reduced to two questions per week. They will change each week so look for them!
* You will now be graded on the physical condition of your DocPacs

# Events:

* Sep. 20th: Weekly Review
* Sep. 21st: [Live Tutorial] Using Git Repo branches
* Sep. 23rd: [Live Tutorial] ExpressJS and EJS Templating
* Sep. 24th: DocPacs Due
* Oct 4th: IT Fundamentals rotation begins
* Oct 11th: No School

# Notebook 4: EJS

In current times, static webpages and assets are not fast and flexible enough to keep up with the demands of internet usage. To interact with users more effectively, many web-developers will utilize a templating engine. A template is typically a “cookie cutter” of HTML, where information is inserted into pre-selected places in the code when the user requests it. Technically, this DocPac is a template in the same way. There’s one DocPac file, but who it belongs to changes when it’s submitted depending on what name was written in the “Student” line.

Mr. Smith has used many templating engines, but never EJS. Write a Notebook entry that explains to Mr. Smith in detail how to use EJS with an ExpressJS server. In your notebook entry:

* Recap setting up a basic ExpressJS project
* Demonstrate arranging your project folders for EJS
* Create a very basic \*.css file, avery basic \*.js file, and one image
* Show and explain the code required to set up EJS
* Create and show a very basic EJS template file
* Show how to render a template when a user requests an endpoint
* Show how to insert text into the template when rendering the template

# Upgrade Your Team Website with ReactJS

Using the information your learned from writing your notebook entry, upgrade your Team’s website to use EJS templates. If you followed the directions last week, each of your team member’s pages should be nearly identical. Identify which parts of the code are the same for all four members, and make a single template from it. Then, edit your ExpressJS endpoints to instead server the unique data for each team member when their page is requested.

* Each team member’s page must use the same template
* This template must link the same \*.css file

# Codecademy Setup

In your school email, you should have received an invite to Codecademy Pro. Use this email link to sign up for the service (use your real name and school email for the account). Search for the “Learn Javascript” course and complete “Introduction” section in its entirety. Mr. Smith will check for completion using his Teacher account.

# Reflection

**What was the most impactful thing you learned this week?** **How can/will you use it in the future?**

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**What did you do *wrong* this week that you could do better in the future, and how?**

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# Grading

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| Reflection | | | ❑ | ❑ | |
|  | | | Present | Complete | No Errors |
| C:\Users\csmith\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\6867D38F.tmp Notebook 4: EJS (pg. 2) | | | ❑ | ❑ | ❑ |
|  | | | Present | Complete | No Errors |
| Eye Icon - Free Download at Icons8 Upgrade Team Website with EJS (pg. 2) | | | ❑ | ❑ | ❑ |
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| Codecademy “Learn Javacript: Introduction” | | | ❑❑ | | |
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| DocPac Condtion | | | ❑ | | |
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| Codecademy Learn Javascript: Introduction | Master EJS template engine with Node.js and Expressjs | | | | |
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| <https://www.codecademy.com/learn/introduction-to-javascript> | <https://medium.com/swlh/master-ejs-template-engine-with-node-js-and-expressjs-979cc22b69be> | | | | |
| Node.js Setup using Express, HTML, CSS, JS & EJS for beginners | Node.js Express EJS Layouts and Partials Tutorial | | | | |
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| <https://www.youtube.com/watch?v=A01KtJTv1oc&ab_channel=RaddyTheBrand> | <https://www.youtube.com/watch?v=lYVKbAn5Od0&ab_channel=RaddyTheBrand> | | | | |