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Course: CS 3939 DevOp, WayScript

Week 1 commit:

A. Explore Wayscript, go through the tutorial about how to use the website. Write a summary on:

1. What's your understanding on Wayscript and what are they trying to do for users?

WayScript is a visual programming platform that tries to make programming more accessible to non-programmers. The platform abstracts away some typical things that a general user might want to do, but don't want to go through the hassle of trying to code everything out. WayScript makes things significantly easier when you want to connect 3rd party apps together. Things like automating emails or getting weather information to do some other things becomes easier.

2. As a user, how would you make use of their product?

As a user, I would most likely be wanting to automate some simple repetitive task that I would like to automate but don't feel like going through the hassle of coding. (or just lacking the coding knowledge to begin with.)

B. Explore the repo. Professor and I added a few setup for it. Try to figure out:

1. What is a makefile? Why is it important in DevOps?

A makefile is a file, used by the *make* utility, to define a set of commands that *make* will execute in order to build your source code. *Make* can handle any dependencies and would only build parts of the code that has been updated. A makefile is important in DevOps because it allows us to automate the build process and removes the possibility of human error during each build process.

2. What is the ptml file in the html_src folder? Why we are doing in this way? (A close look into the makefile will give a lot of hints)

The ptml file is the pre-processed html file. The ptml file has includes for other html tags or blocks of html that gets inserted during the processing stage. Doing `make <some name of the html we want to process>` will search for the ptml file in the html_src and generate a corresponding html file that has been checked for html tag competition and injected with the includes.

By having a pre-processed html file, we can include certain blocks of code that is common throughout most of our html pages like the navigation menu, or logo, etc automatically, which

prevents you from repeating code in many different places (DRY). By having a build process for the html file, we also can be sure that the html file that is generated at least went through some level of linting like having proper closing tags.