Research what a Javascript framework is and how does it differ from programming in standard Javascript. Explain the motivations for learning a Javascript framework.

A framework, as the term suggests, is similar to the framework of a house. I’d recently been looking into tiny houses and backyard offices and found that there are certain places that sell building “shells”- or the framework and exterior of small buildings that could be turned into offices or small houses or whatever the customer requires with it. I realize that frameworks are very similar to this concept. You could say that a javascript framework is an application’s “shell,” or all the necessities to build certain types of applications. When using a framework as a tool, the application is already built for the most part. It really just needs to be customized by the programmer after the framework is put into place- similar to how these small building shells just require the electricity, pipes, and internal walls to be made into either an office or a small house or whatever the builder needs it to be.

Javascript frameworks differ from Javascript in that the developer isn’t writing the entire code from scratch. The benefits are obvious- so much time and effort is saved in using essentially pre-built code. On the other hand, it could be less flexible than writing code from scratch.

The ease of use is more than enough motivation to use frameworks as it heavily cuts down on the amount of time it takes to build an application. I can easily see this being incredibly useful for companies that build specific kinds of applications or websites- ecommerce for example. It would become increasingly easier to put these projects together over time as the company becomes used to the routine of using specific framework tools.

Long story short; frameworks are to software as blueprints are to buildings.

Reference:

Morris, S. Tech 101: What Is A Javascript Framework? Here’s Everything You Need To Know. (n.d.) SkillCrush <https://skillcrush.com/blog/what-is-a-javascript-framework/>

Scott,

The way you described Django made it sound very promising. I like that it could be used with the Python language as well as that’s a language I’m interested in mastering at some point. I may have to check out the Django framework. I am liking angular so far as it’s fairly easy to use. As far as Javascript goes, I think I do like Angular, but I’ve yet to try React yet.

It’s impressive that you’ve made a chat app and a portfolio using a framework already!

Professor,

Abstraction can clearly be seen with the npm install and new component commands in the activities so far. It definitely makes it much easier to program an application that involves so many code files that work together in specific ways. All that’s needed after that is to customize the application and components. It also almost entirely eliminates the need to keep up with dependencies which can be pretty messy depending on the type of application that is being created.