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Machine Problem 4

After learning CSS and HTML, the next thing that I have learned is about Model, View, and Control or simply MVC. The first lesson was about how the browser communicates with the server through a protocol. Basically, it is a language for the two to connect to each other where the browser sends a request to the server, and the server will search the resource where there are two possible scenarios which is if its found or not. If it is found, the server will get the necessary resource then send a response back to the browser that, or if it is not found, the browser will most likely showcase an error page as the server didn’t have a response. The second lesson is the types of requests and responses where there are eight of them, but two of them were the focus, including get and post. The difference between the get and post is mainly consisting of two points: security and length. The security to get is non-existence as it showcases the elements and its values on the search bar. Simultaneously, the post has better security because it hides the information within the HTTP header. The length in get has a limit of 255 characters, and the post can have a virtually unlimited length of text data. The third lesson about MVC is that it is the main idea behind machine problem 4, where it is required to make the website responsive and dynamic. There are three main concepts in MVC; the first one is about a model that handles the computation in pretty much anything you need. It can be a simple collection of hobbies or to a full-blown calculator that can compute equations in college calculus. The second is about the view that showcases the web page’s content through HTML or JSP; the difference between HTML and JSP is that JSP can use java syntax on the file while HTML cannot. The third and last in MVC is the controller, arguably the most important among the three as it is the one that manages the other two for them to communicate and share and manipulate information to get the desired output. Another key idea in having better insight in a fully functional website is by knowing the directory and files within the IDE wherein the WAR file consists of the JSP, XML, Java, Servlet, and CSS. These files serve as the MVC, JSP is the view, XML is the deployment descriptor, Java is the model, Servlet is the controller, and CSS in accompaniment to JSP.

What I have learned from what I understand is how little I know about being a full-stack developer. Where you must make the website beautiful and intuitive for the user to have a good experience by the front-end development, you must also make it dynamic through the back-end development to be useful. There are so many things that I have learned and will require for me to know more so that I can have a better shot in a job application for internship and job-hunting after graduation.

The thing that I ought to do with this knowledge of mine is to use it professionally. Where I must use the knowledge that I have gained through my classes by making beautiful, responsive, and dynamic websites. However, society and technology continually develop every day, so I must continue to learn much more from the things that I currently know of. People’s taste changes throughout time and wishes things to be a bit easier to use, so learning about them makes the UI experience much better. Technology is another thing where there are new means of doing things as there are better ways of doing than the things currently present, or there are new platforms that websites can be made on. Making a website is like a piece of art that you can interact with, and I can say that having learned this lesson is fun and interesting.