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CISC3140

<div align="center">Reflection 5</div>

I had experience with web development, and 2 years ago, we created a Pac man game, with HTML, JS, and CSS. I have not written any of these code for a long time. Lab 9 and 10 was kind like review for me to do these works. What we did was web development front end, in the future, I probably will study more about back end of the web development.

While watching "Netflix Automation Talks - The Automation before pressing Play" it is very interesting to see how Netflix do its testing, it mentions about the problems with playback, and they have to do test for each video, that's too much work of testing, so they developed a tool Eyepatch to detect all the playback problems they will have. In "Testing In Production, The Netflix Way" it said their main focus for testing is safety and monitoring, it remind me what we learn about therac-25 in earlier class that without testing, it might create huge problems. The tool that used for testing is Chap, what it does is catch vulnerabilities and allow users to inject failures into servers product validate their assumptions about those services before they become full-blown outage.

Its very surprising to see Amazon has that much deployment frequency. I understand that debugging is very important for such large company to operate, and to detect and remove existing or potential errors that a company might have is very important, while I did some research online, I found it interesting that "Debugging is honestly one of the most important things when programming. Knowing how to set breakpoints, how to step over, and step into functions that are being used saves development times by hours. Not only does debugging save precious development time, but it also helps you understand your code's logic and flow system better—this isn't the main point of debugging, but it is a great bonus effect." (https://www.quora.com/What-is-the-importance-of-debugging) this is actually true that you will understand the code better, knowing which part of code might have bug and understand how each part of the code works.