Name: Mason Williams

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Assignment: CS-470 Final Reflection

Video Link: <https://youtu.be/sy_yveW97VI>

Experiences and Strengths

The skills I have learned include AWS and how to use it as a serverless cloud system that makes it scalable and manageable. Another skill learned that will make me a better candidate in the future is the troubleshooting aspect of development. Being able to read the logs and decipher what they mean to complete the assignments is a crucial skill to have in the realm of computer science. My strengths fall under the same realm as troubleshooting, not only do I have a really deep understanding of the low level side of development that helps when troubleshooting, I also work well when under pressure which depending on how bad the issue is will work in my favor. I currently already work in IT and work with the physical aspects of computers and touch very little software. I am excited to use what I have learned in these courses to maybe assist in implementation of better programs that makes the job more accessible.

Planning for Growth

Utilizing microservices or serverless computing can make the web app easier to scale and manage. Microservices split the app into smaller parts that can grow and scale independently. When errors arise cloud tools help with logging the error and automatically backing up to a spot that is recoverable. Serverless is cost efficient because you are paying what you use. The more your service is being used the more you will have to spend. Containers offer a more predictable cost for steady workloads. Serverless services are easier to manage but have more limitations compared to containers. Elasticity allows for dynamic changes based on what resources are being utilized.