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CS 470 Final Reflection

<https://youtu.be/vnnuxgHtZg0>

- **Experiences and Strengths:** Explain how this course will help you in reaching your professional goals.

This course has given me insight to a breadth of new experiences. This was the first time I have worked on any cloud-based development so far. Seeing the ins and outs of how to implement a coded app into and serverless bucket, setting up the policies and roles to utilize the data, setting up the DynamoDB to store and pass information when needed. My biggest strengths as a developer would most likely be my perseverance, I don't give up on a project which I feel is important in an industry when one letter, comma, or capital letter being put incorrect can break a program. I think my trouble shooting would be one of the roles I am best suited for in the industry currently. I feel this course will help me in my professional field because cloud development is going to become more and more pertinent as time goes on.

- **Planning for Growth:** Synthesize the knowledge you have gathered about cloud services.

Scale and error handling more or less comes down to proper implementation of functions and commands. Establishing tests and even getting outside feedback would be a good step in this regard. Cost prediction comes down to the traffic the site is having we would need to establish an estimate usage to get a prediction and even that wouldn't take into consideration random slow intervals or random high traffic periods that we weren't expecting. Containers are definitely more cost predictable due to the fact that we are setting a set amount we will be using. The issue with that comes into the scalability if we have more or less success than expected.

Pros and cons for expansion would mostly be on the financial side. If we are generating high revenue and sales are solid expansion would be a no brainer, on the other hand if we weren't reaching the demographic we wanted and sales were low we would have to take that into consideration. You also would grow your customer base but that could come with compromises in quality due to the extra hands and steps involved. Elasticity comes into play because it has to do with how easily our application can scale be it forward or back. This also ties directly in with pay-for-service because it means we are only paying for our usage.