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CS 470 Final Reflection

Link to presentation: <https://www.youtube.com/watch?v=R5gOFLf0yKU>

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

The skills I have learned are basic concepts of Docker, using AWS services like Lambda, IAM, S3, API Gateway, and DynamoDB. I also learned more about cloud computing and deployment.

I think my strengths as a software developer are that I am ready to learn, excited to help others, and have a drive to improve myself.

I think I am most prepared for a web development job but want to work as a software engineer working on the full stack.

- **Planning for Growth:** Synthesize the knowledge you have gathered about cloud services.
 - Identify various ways that microservices or serverless may be used to produce efficiencies of management and scale in your web application in the future. Consider the following:

I think working with scale, AWS offers so many services to help with this, that when currently thinking of cloud services it makes sense to utilize this. With error handling I would put in place catches to help mitigate the

effects of errors and try to write code that would allow me to locate the errors.

I think it can be pretty hard to predict the cost since it is more of a variable. I think I would have to base it off of costs beforehand, user habits, and expected growth.

Container costs I feel can be more predictable.

- Explain several pros and cons that would be deciding factors in plans for expansion.

I think one of the cons would be less predictable costs when using AWS, but the pro would be the ability to scale very well.

- What roles do elasticity and pay-for-service play in decision making for planned future growth?

I think elasticity and pay-for-service can play a major role when planning future growth since you can plan for the cost to align with growth since you only pay for what you use.