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CS 470 8-1 Assignment: Final Reflection

YouTube Link: <https://www.youtube.com/watch?v=vanwQn3rJqs>

### **Experiences and Strengths:**

- **What skills have you learned, developed, or mastered in this course to help you become a more marketable candidate in your career field?**
  - During this course specifically, I have learned extensively about Docker and AWS. I believe the skills acquired during this semester will help me further my career in the computer science world and help me develop my future skills.
- **Describe your strengths as a software developer.**
  - I believe that one of my main strengths as a software developer is the ability to critically think. When I run into issues, I have many methods to solve them including sources and taking some time away from the code to think. I also thrive working alone as much as in a group environment.
- **Identify the types of roles you are prepared to assume in a new job.**
  - Some roles I am prepared to assume in a job are Cyber Security, Front-End Development, and any cloud-based application role.

### **Planning for Growth:**

- **Identify various ways that microservices or serverless may be used to produce efficiencies of management and scale in your web application in the future.**
  - Microservices downsize larger applications into smaller ones, making them easier to manage.

- **How would you handle scale and error handling?**
  - Keeping tabs on the application performance would be my first action to monitor and ensure no issues arise.
- **How would you predict the cost?**
  - Utilizing a cloud pricing calculator would give a good starter estimate.
- **What is more cost predictable, containers or serverless?**
  - Containers are more predictable when it comes to price due to their pricing model. Containers use a pricing model that charges based on the resources used, where serverless is based on requests.
- **What roles do elasticity and pay-for-service play in decision making for planned future growth?**
  - Both of these methods are used to keep the total cost down during the development of a web application. Keeping track of the cost of the entire application is also recommended.