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CS 470 Final Reflection

https://youtu.be/xan6OpC-Xqs

- **Experiences and Strengths:** Explain how this course will help you in reaching your professional goals.
    - o What skills have you learned, developed, or mastered in this course to help you become a more marketable candidate in your career field?

        In CS470 I have learned the following skills to help me become a more marketable candidate in my career field: migrating a full-stack application onto AWS cloud using containerization, orchestration, Lambda and API Gateway, and Docker Compose.

    - o Describe your strengths as a software developer.

        As a software developer I have great analytical skills and software testing skills. I also pay strong attention to details, and I am persistent at getting any job done.

    - o Identify the types of roles you are prepared to assume in a new job.

        In a new job I am prepared to assume the role of software developer, software engineer, full-stack engineer, and software-tester.

- **Planning for Growth:** Synthesize the knowledge you have gathered about cloud services.
    - o 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:
        - ▪ How would you handle scale and error handling?

            Scale and error handling in web applications in the future could be made more efficient with serverless because in cloud computing there are several advantages. One of them would be pay as you go pricing, along with increased efficiency.

        - ▪ How would you predict the cost?

            You would predict the cost with pay as you go pricing dependable on the amount of data you are using.

        - ▪ What is more cost predictable, containers or serverless?

            I believe that containers are more cost predictable because at least you know that you are migrating containers to the AWS cloud. With serverless and cloud computing you do not know how much data you may use.

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

If one were to expand, several cons would be that the cost would be increased, yet a pro would be that it would remain efficient.

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

   Elasticity and pay-for-service allow us to decide that in the future how much data we plan to use and the cost of it. One pays for the data as they use it, and not for the hardware. This is the benefit of serverless.