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CS 470 Final Reflection

https://youtu.be/inRcytNfR4k

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

I believe that this class has offered me a very valuable skill to add in to my programming tool belt. This term has taught me how to use docker to create docker containers for testing and environment setup. Learning about the fundamentals of AWS on creating permissions, creating APIs, creating Lambda Functions, and deploying.

* + What skills have you learned, developed, or mastered in this course to help you become a more marketable candidate in your career field?

In this term I have learned an important skill in how to deploy and manage a working web application to production. With the new found knowledge in docker and AWS cloud management I feel that it has given me the ability to become more productive in contrast in how I was developing before. With the use of Docker with its docker compose time need in starting the servers are condensed into I single point. When in the past is continuously had to manual starting and end server instance. Focusing more on the programming and less on the environment server This new tool will help me greatly on my productivity.

* + Describe your strengths as a software developer.

I Believe my strengths as a software developer is I am very persistent in finding solutions to a problem. This allows me to conduct research in trying to find a fix or take an alternative approach. A won’t quit mind set.

* + Identify the types of roles you are prepared to assume in a new job.

In the future I will take in the role as a full stack developer. I would be responsible for taking in request or tasks of my senior developers and project manager in creating product for clients or in house projects.

* **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:
    - How would you handle scale and error handling?

With the use AWS lambda, we were able to create the logic necessary for the application to functions. Implementing code catches to handle errors for instance a try catch statements to have the logic try or redirect to prevent a crash or error. This security implantation will prevent potential data injections that will lead to data breaches.

* + - How would you predict the cost?

With the use of aws EC2 we can set a limit to cost to not accrue large cost to maintain reasonable cost.

* + - What is more cost predictable, containers or serverless?

Container based Applications tend to be more expensive to run. The better option for hosting applications is the use of serverless cloud alone.

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

Expansion is an important factor in the Business decision making process. The major benefit for expansion is growth of the business, increase of net/gross profit of the business. Cons that follow expansion are increased const of overall expenditures logistical challenges.

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

When It comes to the Growth of the company and the product having the model of extendable capabilities is important allowing for scalability of new features. Along with pay for the service you use are important concepts in making for planning future growth. This allows for the scaling of products moving alongside growth of Businesses and service.