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CS 470

Module 8-1

<https://youtu.be/YEOqEacwsXY> - Presentation Link

Final Reflection

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

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

Throughout this course I've become more knowledgeable and proficient with developing full stack applications as well as using cloud technology and services in development of said applications. These skills will no doubt help in obtaining and thriving in a job in this field.

- Describe your strengths as a software developer.

My skills as a developer lie in my eye for detail and problem solving skills, as well as my adaptability to using various programming languages used in accomplishing necessary tasks for development.

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

With the culmination of these courses, particularly this one, I feel I'd be suited to roles like systems engineer, both in a software and focused game development field.

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

Microservices are able to downsize larger applications into smaller, more easily manageable apps. This simplifies many of the processes of altering and editing systems. Serverless in particular is an effective way to manage an application without having to manage servers.

- 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?

Handling scale and error in an app would be accomplished through observation and recording of application performance.

- How would you predict the cost?

Cost would be predicted based off of prices for cloud services.

- What is more cost predictable, containers or serverless?

The most predictable would be containers, as containers cost based on the resources used whereas serverless is based on requests.

- Explain several pros and cons that would be deciding factors in plans for expansion.
 - What roles do elasticity and pay-for-service play in decision making for planned future growth?

Elasticity and pay-for service would both allow for reducing the total cost of the web application. Tracking the resources needed and any fluctuations in cost across the entire application would also be effective in planning.