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CS 470 Final Reflection

<https://youtu.be/O9xfiH4-lwY>

Experiences and Strengths: Explain how this course will help you to reach 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?

I used AWS cloud services to create the front-end and back-end API to develop a fully functioning website.

Describe your strengths as a software developer.

I have experience using several different languages and development software to create full products from scratch.

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

As a software developer, I would be prepared to act as a programmer for a project of various sizes.

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?

Cloud scalability can be tackled using AWS or Docker Compose, both of which allow for the project to be scaled and debugged within the services themselves.

How would you predict the cost?

Looking at the cost of services like AWS and projecting the number of users would allow for a rough estimate to be made.

What is more cost predictable, containers or serverless?

Serverless models are more predictable as they scale with usage, which is also predictable.

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

Expansion could be plausible in a physical setting, but in a serverless format like AWS, it is far easier and cost efficient to do so.

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

Services like AWS are elastic as they scale with use. The pay for service model allows for scaling up and down seamlessly as needed, without over or under budgeting.