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- CS 470 Fullstack 2: Final Reflection
- [Presentation Video](#)

- **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?
    - I've learned about the workflows and tools for containerizing an app, orchestrating a few containers, as well as moving the full stack app to AWS cloud services utilizing IAM, S3, Lambda, DynamoDB, and API Gateway.
  - Describe your strengths as a software developer.
    - I enjoy problem solving
    - I can quickly accept abstractions, I don't get bogged down in minutia
    - I am security minded, considering security actively while also focusing on functionality
  - Identify the types of roles you are prepared to assume in a new job.
    - Cloud Application Developer
    - Cloud Engineer
- **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?
      - Setup serverless provider alerts with context so that reaction time can be optimized. For the situations that make sense, setup automatic responses to scale up or down operating like a state machine.
    - How would you predict the cost?
      - Estimate based on previous usage.
    - What is more cost predictable, containers or serverless?
      - Containers are more cost predictable because of the fact a container is only going to use a known quantity of electricity and can't scale.

- Explain several pros and cons that would be deciding factors in plans for expansion.
    - Trusting another party with data
    - Not having redundant locations
    - No scaling
    - Scaling
- What roles do elasticity and pay-for-service play in decision making for planned future growth?
    - The ability to respond to demand instantaneously versus needing an expansion to do so with local resources makes serverless a good choice for most.
    - Pay-for-service costs can be thought of as a subscription that can be turned off but a local solution will require capital investment that will depreciate.