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 have learned how to move a full-stack application to a serverless system. Before
 this class, I had no experience with using Amazon Web Services and what it
 meant to fully migrate a full-stack application to the cloud.
- Describe your strengths as a software developer.
 - The strengths that I have as a software developer are that I can develop code that works, is clean, and notated properly so that it can be worked with in the future.
- Identify the types of roles you are prepared to assume in a new job.
 - o I am prepared to take on roles in software development that include languages such as Python, Java, JavaScript, C++ and HTML. I have experience with utilizing tools such as Docker, NodeJS, Angular and Express. These experiences can open myself to many roles out there.

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:

- o How would you handle scale and error handling?
 - Scaling is easy to do with serverless. It is all handled by the serverless
 provider. As the application grows, the server grows with it. This is a great
 benefit of the pay-per-use model.
- How would you predict the cost?
 - Predicting the cost can be utilized with tools that Amazon Web Services has available. Looking at their website they have options to talk to sales, utilize a cost estimate calculator and to use cost allocation tags to categorize your costs by groups.
- What is more cost predictable, containers or serverless?
 - In most small-scale applications, serverless is the way to go. The cost of hosting your own server can be big, especially if you are unsure of how big the application is going to expand. If you have a massive corporation, you may want to weight the pros and cons of using your own servers and containers to see which would benefit you best.
- Explain several pros and cons that would be deciding factors in plans for expansion.
 - The pros of expanding are that your application is growing and is becoming more successful. This means that you will have more users using your service and giving you more business. The cons with expansion are that there are going to be more costs like needing more space on the serverless server, making sure your application scales properly with the increase in traffic, and having enough people there to maintain everything.

- What roles do elasticity and pay-for-service play in decision making for planned future growth?
 - Elasticity and pay-for-service plays a major role when expanding your application. You do not need to worry about buying more servers or equipment as the serverless host takes care of that for you. It is important to factor what your costs are going to be with the provider, but overall time and maintenance costs will be low with a serverless provider.