Nicholas Ciesla 4/19/2023 CS-470-T4247
CS 470 Final Reflection:

Presentation: https://youtu.be/zdiLrlmrO5k

Experiences and Strengths:

The biggest thing that I learned in this course is the concept of containerization. The use of docker has been very eye opening for me as I recently struggled with version and dependency issues in at work. Now that I know the ins and outs of docker, I will work to implement this in upcoming projects and make my applications more portable between machines.

As a software developer, my greatest strength is that I pick up on new concepts quickly. If I have worked with a similar system before I will be able to apply what I learned previously quickly to improve and create applications with new tools.

In a new job, I am prepared to modify, develop, and deploy software that is useful and free from bugs. Although I still have a lot to learn in the field, I am excited to get out there and apply what I have learned in university to new and exciting projects.

Planning for Growth:

Microservices through a cloud vendor like Amazon AWS are a great way to easily manage and scale your existing applications. You don't necessarily even need to move all of your software to the cloud to reap the benefits. Moving data operations to the

cloud can save lots of compute power, and with Gateway API,
error handling works the same as it would with any other API.
With Clout Trail, it even has some upsides over a local API.

If you already have metrics on your app traffic, predicting
cost is easy with AWS's pricing structure. At the end of the
day, you will always know what you will need to pay with a cloud
service if you know your traffic. Even if you traffic increases
the calculation of potential cost is much lower because you do
not need to deal with hardware, personnel, or varying
electricity costs. You pay a simple rate per request.