**D424 – Software Engineering**

**Task 4**

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| **Capstone Proposal Project Name:** | http://www.idevnews.com/views/images/uploads/general/wgu_logo.png  EduTrack |
| **Student Name:** | Blake Geard |

**Justification for Cloud Service Provider**

I chose Appetize.io as my cloud deployment platform for several key reasons:

1. Quick Deployment: Appetize.io lets you deploy mobile apps in seconds, making it easy to get your app live for testing, demos, or showcases. This speed is crucial for getting fast feedback during the final stages of development.
2. Portfolio Integration: The platform lets you embed your app directly into a webpage using an iframe. This is great for showcasing the app in a polished, interactive format, especially for portfolios where potential employers can see it in action without downloading anything.
3. Cross-Platform Testing: Appetize.io works with both Android and iOS apps, so you can test and demonstrate your app across different devices without needing separate hardware for each platform.
4. Scalability and Accessibility: Being cloud-based, Appetize.io removes the need for physical devices and ensures your app can be accessed and tested from any device with a browser, making it ideal for reaching a wide range of users.
5. Cost-Effective: Unlike app stores that charge developer fees, Appetize.io offers flexible, affordable plans for testing and showcasing apps. This makes it an economical choice for smaller projects or prototypes without the need for expensive registration fees.

**Explanation of Containerization**

Containerization was not used in this project for the following reasons:

1. Simplified Deployment: The goal was to showcase and test the mobile app, and Appetize.io handles the execution environment. There's no need to manage containers or worry about dependencies.
2. What Containers Are For: Containers are ideal for packaging complex web apps or backend services. Since this project is a standalone mobile app and Appetize.io manages the environment, containerization wasn’t necessary.
3. App Focus: The priority was to demonstrate the app’s functionality rather than setting up a multi-service backend. Containerization is better suited for projects with separate services, which doesn’t apply here.

**Deployed Application Link**

[https://appetize.io/app/b\_2xsufmjcx7ta2yw472u2jg7mde](https://appetize.io/app/b_2xsufmjcx7ta2yw472u2jg7mde%09)

**Gitlab Branch Link**

<https://gitlab.com/wgu-gitlab-environment/student-repos/bgeard/d424-software-engineering-capstone/-/tree/working?ref_type=heads>

**Panopto Video**

<https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=728dc375-fb9e-48d2-8f0c-b23a01359f2b>

**Sources**

I did not use any sources for this Task.