**Task 4)**

During the Docker setup for the Nakama application, I encountered several challenges related to configuring the Dockerfile and Docker Compose files. The primary issues included difficulties in defining appropriate Docker Compose services, ensuring compatibility with existing Nakama Docker images, and addressing connectivity problems with other services, such as CockroachDB. Additionally, there were complexities in optimizing the Dockerfiles for Nakama to work seamlessly with other applications involved in the project. Modifying and aligning configurations to create a cohesive and modular structure within the Git repository posed further challenges. Throughout the process, I encountered and resolved issues related to container health checks, image naming conventions, and addressing potential conflicts between different services. To document my learning process and address any future troubleshooting needs, I consistently committed code, learning notes, and details about encountered problems to the Git repository.