**Individual Weekly Report – Week 4**

**Project: E-commerce Web Application TechPlaza**

**Role: DevOps Engineer**

**Completed Tasks:**

1. **Use Cases:** Developed a set of comprehensive use cases based on the user scenarios provided. These use cases detail how different users interact with various functionalities of the application and provide a clear guide for developers to understand the user needs and expectations.
2. **Development Environment Setup:** Prepared and set up the development environment for the team. This involved creating a secure and efficient workspace that mimics the eventual production environment, allowing developers to create and test their code in real-time conditions.
3. **Database Initialization**: Initialized the database to be used in the development environment. This involved setting up the database schema based on the project requirements, ensuring secure access for developers, and implementing backup and recovery protocols.

**Ongoing/In-Progress Tasks:**

1. **CI/CD Pipeline Enhancement**: Enhancing the CI/CD pipeline providing developers with immediate feedback on the compatibility and performance of their code.
2. **Infrastructure Optimization:** Continuation of infrastructure optimization, focusing on ensuring stability and performance as developers begin working in the new environment.