**Individual Weekly Report – Week 1**

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

**Role: Full Stack Developer, Product Owner**

**Completed Tasks:**

1. **Defined Product Assumptions and Constraints**: This week, I've successfully defined the assumptions and constraints for the TechPlaza platform. The assumptions I've identified revolve around product legality, seller responsibilities, administrative roles, buyer confidentiality and responsibility, and the necessity of internet connectivity for all users. The constraints include user internet access, user proficiency with the platform, quality and availability of internet, reliability of integrated services, and the capacity of computational resources for data analytics and machine learning functionalities.
2. **Outlined Dependencies**: I've mapped out the dependencies that exist between various roles and functions on the platform. This includes the relationships between sellers, customers, and administrators. Understanding these dependencies is key for ensuring smooth interactions and transactions on TechPlaza.

**Ongoing/In-Progress Tasks:**

* **Defining Functional Requirements**: The process of defining the functional requirements for TechPlaza has been kick-started. I've identified four key areas of functionality that require attention: shipping options, product comparison, refunds, and shopping cart features. I'm currently documenting the essential functionalities and objectives for each of these features, which will serve as the foundation for subsequent phases of development.