**Individual Weekly Report – Week 5**

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

**Role: Full Stack Developer, Software Architect**

**Completed Tasks:**

1. The activity diagrams for TechPlaza have been created.
2. These diagrams visually represent key activities, relationships, and the sequential flow of operations within the application.
3. The activity diagrams I created cover various functionalities such as editing a product, leaving a review, inventory management, downloading invoice details, and contacting vendors.
4. These diagrams serve as a valuable tool for communication, ensuring a shared understanding among the project team and stakeholders regarding the system's activities and interactions.

**Ongoing/In-Progress Tasks:**

1. Work has started on integrating the Postgres Database to the backend code.
2. The integration process involves connecting the backend application to the database, setting up the necessary tables and relationships, and implementing data retrieval, manipulation, and storage operations.
3. Integration with a robust and scalable database like Postgres will ensure efficient and secure data management for TechPlaza.
4. The ongoing work will focus on establishing the necessary database connections and implementing the required functionality to interact with the database.