Requirements Document

This document outlines the data requirements and use cases for the e-commerce database system as specified in the course project.

1. System Overview

The project is a backend database for an e-commerce system. It will support the core functionalities of an online store, focusing on product management, customer accounts, and purchasing. The system needs to accommodate two distinct types of users: Staff and Customers.

2. User Roles and Capabilities

The system will have two primary user roles with specific permissions:

- **Staff**: These users are responsible for the administrative side of the e-commerce platform.
    - They can add, edit, and manage products.
    - They are responsible for managing product inventory.
    - They may also be involved in overseeing transactions.
- **Customers**: These are the end-users of the platform who will purchase products.
    - They can browse and view all available products.
    - They can create an account to manage their information.
    - They can make purchases of products.

3. Core Data Requirements (Entities)

To support the functionalities described above, the database must store information about the following core entities.

- **Customer**: Stores all information related to customers, such as identification, name and email address.
- **Product**: Contains details about the items for sale, including name, description, price, and current inventory levels.
- **Staff**: Holds information about staff members, such as their name, role, and identification,
- **Purchase**: Records every transaction made by a customer, linking customers to the products they bought.