**Software Construction & Development (SE-308-B)**



Project Title:

**POS (Point Of Sale)**

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1. **Introduction:**

The **Point of Sale (POS) system** is designed for small grocery shops to manage sales transactions and provide receipts, all using a single terminal. It is a simple and user-friendly system that helps the shopkeeper efficiently manage daily sales and inventory efficiently.

1. **Scope:**

The **Point of Sale (POS) System** is designed to simplify sales processes for small shops with an easy-to-use platform. It allows users to add products with details like SKU, name, price, description, and stock levels.

* **Sales and Transactions:** Sales can be processed by scanning items or manually entering details, with the system automatically calculating the total amount, including taxes, discounts, and additional fees. Multiple payment methods such as cash, cards, and mobile payments are supported, along with options for partial payments using different methods. After each transaction, the system generates an itemized receipt, which can be printed or emailed to the customer.
* **Inventory and Security:** The system updates inventory levels in real time after each sale and sends low-stock alerts when predefined thresholds are reached. It also includes refund and void functionalities with proper tracking and approval processes. To ensure security, the system encrypts sensitive data, meets PCI-DSS standards, and guarantees high availability. With a fast, intuitive interface, it minimizes training time and processes transactions in under 3 seconds, making it ideal for efficient sales and inventory management in small shops.

1. **Work Break Down Structure(WBS):**

