## FRESH MART SUPERMARKET SOFTWARE

A point of sale software that manages stock, sales, identifies slow moving products

,keeps record for every detail and updates stock count with each sales

**USERS**

**Admin**

**Cashier**

**Customer**

User requirements

In a point-of-sale (POS) software, the roles and responsibilities of the users can vary depending on the specific business and its needs. For the scope of having three users, namely an Admin Cashier and Customer, you can define their roles as follows:

**ADMIN**:

**Login with right credentials then---->**

**User Management**: Manage employee accounts, including creating, modifying, or deleting accounts and setting permissions and access levels.

**Product Management**: Add, edit, or delete products and categories, manage inventory levels, and set product prices.

**Sales Analysis and Reporting**: Access and generate sales reports, including daily, weekly, and monthly sales, and analyze trends to make informed decisions.

**Payment Management**: Configure payment methods, manage and reconcile payments, and track cash flow.

**System Configuration**: Set up and manage various settings in the POS system such as tax rates, discounts, promotions, and other store policies.

**Customer Management**: Manage customer data and loyalty programs.

**Security and Compliance**: Ensure the POS system adheres to industry standards for data protection and transaction security.

**Maintenance and Updates**: Handle software updates and system maintenance to ensure smooth operation.

**EMPLOYEE:**

**Login with right credentials**

**Sales Processing**: Handle sales transactions, including scanning items, applying discounts, and processing payments.

**Customer Service**: Interact with customers, handle inquiries, and resolve issues.

**Inventory Management**: Monitor stock levels, restock items, and assist with inventory-related tasks such as labeling or organizing products.

**Product Knowledge**: Stay informed about products and promotions to assist customers effectively.

**Order Processing and Confirming Orders**: Assist with placing orders for customers, including special orders or online orders.

**Registering customers** :pick all customer information for creating user accounts

These roles can be further tailored based on your business's specific requirements and the level of access and permissions you want to grant to each user.

**CUSTOMER**

**Login with right credentials:**

**Making and cancelling of orders**: Making orders basing on already available items. Cancelling of orders before cashier confirmation

**Searching for items**: Searching for items in the pos inventory

**Provide feedback**: Providing feedback to the supermarket

ENTITIES

|  |  |
| --- | --- |
| **KEY** | **Employee(cashier)** |
| PK | E\_ID |
|  | F\_name |
|  | L\_name |
|  | Doj |
|  | E\_contact |
|  | E\_Email |
|  | DOJ(date of Join) |
|  | UserName |
|  | Password |
|  | E\_role |

|  |  |
| --- | --- |
| **KEY** | **Product** |
| PK | P\_id(UNIQUE) |
|  | P\_name |
|  | P.expiryDate |
|  | P.Category |
|  |  |
|  | unit\_cost |
|  | productImage |
|  |  |

|  |  |
| --- | --- |
| **KEY** | **Suppliers** |
| PK | Supplier\_id |
|  | F\_name |
|  | L\_name |
|  | S\_contact |
|  | Location |
| FK | p\_id |
|  | productName |

|  |  |
| --- | --- |
| **KEY** | **Sales** |
| PK | sales\_id |
| FK | E\_ID |
|  | product\_id |
|  | product\_name |
|  | qauntity |
| FK(from pdt) | unit\_cost |
|  | total\_price |
|  | date\_of\_sale |
|  | time |

|  |  |
| --- | --- |
| **KEY** | **Payments** |
| PK | Payment\_ID |
|  | Payment\_type |
|  | Payment\_amount |
|  | Payment\_date |
|  | Paid\_to |
| FK | C\_id |

|  |  |
| --- | --- |
| **KEY** | **Customer** |
| PK | Customer\_id |
|  | F\_name |
|  | L\_name |
|  | userName |
|  | c\_contact |
|  | Location |
|  | Payment\_method |
|  | Email |
|  |  |

|  |  |
| --- | --- |
| **KEY** | **Inventory** |
| FK | P\_id |
|  | ProductName |
|  | Inventory\_no |
|  | P.SKU(stock keeping Unit) |

|  |  |
| --- | --- |
| **KEY** | **Orders** |
| PK | Order\_id |
|  | Order\_no |
| FK | Customer\_id |
| FK | P\_id |
|  | pdt\_qty????(inventory\_no) |
|  | Order\_date |
|  | Order\_time |
|  | Status(paid,pending,cancelled |