1. - As a user, I want to add a new product into the system.

Steps:

|  |  |
| --- | --- |
| Actor | System |
| 1. Choose command “Add Product”  Main screen: See Figure 1 Below  3. Input data then click “Add” button  Data can be input in Figure 2 below  5. Click on “OK” button | Display “Add Product” screen  Screen: See Figure 2 Below  4. Hide “Add Product” screen and display “Added Product Successfully” screen  Screen: See Figure 3 Below  6. Display “Main” screen |

- As a user, I want to add a new customer into the system.

Steps:

|  |  |
| --- | --- |
| Actor | System |
| 1. Choose command “Add Customer”  Main screen: See Figure 1 Below  3. Input data then click “Add” button  Data can be input in Figure 4 below  5. Click on “OK” button | Display “Add Customer” screen  Screen: See Figure 4 Below  4. Hide “Add Product” screen and display “Added Product Successfully” screen  Screen: See Figure 5 Below  6. Display “Main” screen |

- As a user, I want to record a purchase from a customer into the system.

Steps:

|  |  |
| --- | --- |
| Actor | System |
| 1. Choose command “Add Purchase”  Main screen: See Figure 1 Below  3. Input data then click “Add” button  Data can be input in Figure 6 below  5. Click on “OK” button | Display “Add Purchase” screen  Screen: See Figure 6 Below  4. Hide “Add Purchase” screen and display “Added Purchase Successfully” screen  Screen: See Figure 7 Below  6. Display “Main” screen |

Figure 1:



Figure 2:

ADD PRODUCT



Product ID:

Name:



Price:

Quantity:



Vendor:



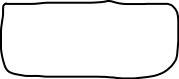
Description:





Figure 3:

Product Successfully Added!



OK



Figure 4:

ADD CUSTOMER



Name:

Address:



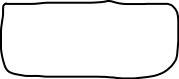
Phone:

Payment info:



Figure 5:

Customer Successfully Added!



OK



Figure 6:

ADD PURCHASE



CustomerID:

ProductID:



Date:

Time:



Quantity:



Price:



Tax Rate:

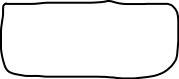


Total:



Figure 7:

Purchase Successfully Added!

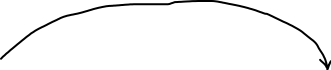


OK



2. Entity-relationship diagram:













3.

Products:

-**PRODUCTID**, Barcode, name, productid, expiration date, price, tax rate, quantity, supplier, manufactured date…

Customers:

-**CUSTOMERID**, Name, address, phone, payment info…

Relationship:

-Buy: **PURCHASEID**, CUSTOMERID, PRODUCTID, date, time, quantity, price, tax, total cost