Products(**productid**, Barcode, name, expiration date, price, tax rate, quantity, supplier, manufactured date)

Customers(**customerid**, name, address, phone, payment info)

Purchase(**purchaseid**, *customerid*, *productid*, date time, quantity, price, tax, total cost)

The code :

﻿ CREATE TABLE Product (

ProductID INTEGER NOT NULL,

Name varchar(100),

Price int,

Quantity int,

TaxRate int,

PRIMARY KEY (ProductId)

);

INSERT INTO Product (ProductID, Name, Price, Quantity, TaxRAte)

VALUES (141, 'apple', 2, 20, 2), (143, 'peach', 2, 20, 2), (154, 'grape', 2, 20, 2), (113, 'watermelon', 2, 20, 2) ,(142, 'banana', 2, 20, 2);

﻿CREATE TABLE Customers (

customerid INTEGER NOT NULL,

name TEXT,

address TEXT,

phone TEXT,

paymentInfo TEXT );

INSERT INTO Customers(customerid, name, address, phone, paymentInfo) VALUES(002, 'Tommy','The guy St','3342411253','Yes');

﻿

CREATE TABLE Purchases (

purchaseid INTEGER NOT NULL,

customerid INTEGER,

productid INTEGER,

datetime TEXT,

quantity INTEGER,

price REAL,

tax REAL,

totalcost REAL

);

INSERT INTO Purchases(purchaseid, customerid, productid, datetime, quantity, price, tax, totalcost) VALUES(002, 123, 412, '2019/09/08',123, 312, 0.05,634), (002, 123, 412, '2019/09/08',123, 312, 0.05,634), (002, 123, 412, '2019/09/08',123, 312, 0.05,634), (002, 123, 412, '2019/09/08',123, 312, 0.05,634), (002, 123, 412, '2019/09/08',123, 312, 0.05,634), (002, 123, 412, '2019/09/08',123, 312, 0.05,634), (002, 123, 412, '2019/09/08',123, 312, 0.05,634), (002, 123, 412, '2019/09/08',123, 312, 0.05,634), (002, 123, 412, '2019/09/08',123, 312, 0.05,634), (002, 123, 412, '2019/09/08',123, 312, 0.05,634);

Customers

Purchase

Products

buy

Products

Customers

Name: Adding a new product into the system

Step:

|  |  |
| --- | --- |
| **Actor** | **System** |
| 1. Choose command “Add Product”  Main screen:  A screenshot of a cell phone  Description automatically generated | 2. Display “Add Product” screen  “Add Product” screen:  A screenshot of a cell phone  Description automatically generated |
| 3. Input data then click “Add” button  “Add Product” screen with data:  A screenshot of a cell phone  Description automatically generated | 4. Hide “Add Product” screen and display “Add Product Successfully” screen:  “Add Product Successfully” screen: |
| 5. Click on “OK” button: | 6. Display “Main” screen  A screenshot of a cell phone  Description automatically generated |

Name: Adding a new Customer into the system

Step:

|  |  |
| --- | --- |
| **Actor** | **System** |
| 1. Choose command “Add Customer”  Main screen:  A screenshot of a cell phone  Description automatically generated | 2. Display “Add Customer” screen  “Add Customer” screen:  A screenshot of a cell phone  Description automatically generated |
| 3. Input data then click “Add Customer” button  “Add Customer” screen with data:  A screenshot of a cell phone  Description automatically generated | 4. Hide “Add Customer” screen and display “Add Customer Successfully” screen:  “Add Customer Successfully” screen:  A screenshot of a cell phone  Description automatically generated |
| 5. Click on “OK” button: | 6. Display “Main” screen  A screenshot of a cell phone  Description automatically generated |

Name: Adding a new Purchase into the system

Step:

|  |  |
| --- | --- |
| **Actor** | **System** |
| 1. Choose command “Add Purchase”  Main screen:  A screenshot of a cell phone  Description automatically generated | 2. Display “Add Purchase” screen  “Add Purchase” screen:  A screenshot of a cell phone  Description automatically generated |
| 3. Input data then click “Add Purchase” button  “Add Purchase” screen with data:  A screenshot of a cell phone  Description automatically generated | 4. Hide “Add Purchase” screen and display “Add Purchase Successfully” screen:  “Add Purchase Successfully” screen:  A screenshot of a cell phone  Description automatically generated |
| 5. Click on “OK” button: | 6. Display “Main” screen  A screenshot of a cell phone  Description automatically generated |