Name: Adding a new product into the system

Step:

|  |  |
| --- | --- |
| Actor | System |
| 1. Choose command “Add Product”   Main Screen: | 2.Display “Add Product” Screen  “Add Product” Screen |
| 1. Input data the click “Add” button   “Add Product” Screen with data: | 1. Hide “Add Product” Screen and display “Add product Successfully”   “Add Product Successfully” Screen: |
| 1. Click on “OK” button:   Click “OK” | 1. Display “Main” screen:   Main Screen: |

The main UI to add customer, add purchase, and add productA screenshot of a cell phone

Description automatically generated for each of those

**A screenshot of a cell phone

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For add Customer

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|  |  |
| --- | --- |
| Actor | System |
| 1. Choose command “Add Customer”   Main Screen:  A close up of a logo  Description automatically generated | 2.Display “Add Customer” Screen  “Add Customer” Screen |
| 3.Input data the click “Add” button  “Add Customer” Screen with data: | 1. Hide “Add Customer” Screen and display “Add product Successfully”   “Add Product Successfully” Screen: |
| 1. Click on “OK” button:   Click “OK” | 1. Display “Main” screen:   Main Screen:  A close up of a logo  Description automatically generated |

|  |  |
| --- | --- |
| Actor | System |
| 1. Choose command “Add Purchase”   Main Screen:  A close up of a logo  Description automatically generated | 1. Display “Add Purchase” Screen   “Add Purchase” Screen |
| 1. Input data the click “Add” button   “Add Purchase”    Screen with data: | 1. Hide “Add Product” Screen and display “Add product Successfully”   “Add Product Successfully” Screen: |
| 1. Click on “OK” button:   Click “OK” | 1. Display “Main” screen:   Main Screen:  A close up of a logo  Description automatically generated |

Products:

- barcode, name, productid, expiration data, price, tax rate, quantity, supplier, manufactured data,…

Customers:

- name, address, customerid, phone, payment info,

Relationship:

- buy: date time, quantity, price, tax, total cost

Products(**productid**, barcode, name, expiration data, price, tax rate, quantity, supplier, manufactured data)

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

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

Products

Buy

Customers

Code:

CREATE TABLE Customers (

CustomerID INTERGER not null Primary key,

Name TEXT,

Phone TEXT,

Address TEXT);

﻿CREATE TABLE Products (

ProductID INTERGER not null Primary key,

Name TEXT,

Price REAL,

Quantity REAL,

TaxRate REAL);

CREATE TABLE Purchase (

PurchaseID INTERGER not null Primary key,

CustomerID INTERGER,

ProductID INTERGER,

Quantity REAL,

TotalCost REAL);

﻿INSERT INTO Customers (CustomerID, Name, Phone, Address)

VALUES

(1, "ZS', ‘(334)342-1234, ‘Auburn, AL’),

(2, 'Lz', ‘(324)332-7745’, ‘Auburn, AL’),

(3, 'Olivia', (344)332-3776, ‘Auburn, AL’),

(4, Sony, (334)599-2420, ‘Opelika, AL’),

(5, Dunb, (354)352-0213, ‘Montgomery, AL’);

INSERT INTO Products (ProductID, Name, Price, Quantity, TaxRate)

VALUES

(101, ‘Gun’, 3, 100, 0.07),

(102, ‘Toy’, 2, 150, 0.08),

(103, ‘Car’, 2, 50, 0.09),

(104, ‘New iPhone 11 pro Max sucks, 1500, 5, 0.06),

(105, ‘NewiPhoneIsTooHeavy, 2000, 5, 0.06);

INSERT INTO Purchase (PurchaseID, CustomerID, ProductID, Quantity, TotalCost)

VALUES

(11, 1, 003, 3, 7.71),

(12, 2, 002, 3, 6.54),

(13, 3, 001, 2, 9.03),

(14, 4, 004, 5, 2.82),

(15, 5, 005, 7, 19.9),

(16, 6, 006, 8, 23.0),

(17, 7, 007, 9, 33.3),

(18, 8, 008, 3, 12.5),

(19, 9, 009, 5, 15.0),

(20, 10, 010, 6, 44.6);