Assignment 3

1.

Name: Adding a new product into the system

Steps:

|  |  |
| --- | --- |
| Actor | System |
| 1. Choose command “Add product”   Main Screen:  Store Management System  Add Add Add  Product Customer Purchase | Display “Add Product” Screen  “Add Product” Screen:  Add Product  Product ID \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Price \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Quantity \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Vendor \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Description \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  ADD CANCEL |
| 1. Enter values into fields and submits via clicking ‘add’ button   Add Product  Product ID 100\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Name IPhone\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Price 1000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Quantity 1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Vendor Apple\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Description Latest Version\_\_\_\_\_\_\_\_\_\_\_\_\_  ADD CANCEL | 1. Hide “Add Product” Screen and display “Add Product Successfully” view     ‘Added Successfully!’    OK |
| 1. Click on “OK” button | 1. Display “Main” Screen |
|  |  |

Name: Adding a new product and we have an exception

Steps:

|  |  |
| --- | --- |
| Actor | System |
| 1. Choose command “Add product”   Main Screen:  Store Management System  Add Add Add  Product Customer Purchase | Display “Add Product” Screen  “Add Product” Screen:  Add Product  Product ID \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Price \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Quantity \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Vendor \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Description \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  ADD CANCEL |
| 1. Enter values into fields and submits via clicking ‘add’ button   Add Product  Product ID 100\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Name IPhone\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Price 1000\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Quantity 1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Vendor Apple\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Description Latest Version\_\_\_\_\_\_\_\_\_\_\_\_\_  ADD CANCEL | 1. Keep “Add Product” Screen and display “Add Product Successfully” view     ‘Product ID already taken.  Please choose an unused id’  OK |
| 1. Click on “OK” button | 1. Display “Main” Screen |

Name: Adding a new customer into the system

Steps:

|  |  |
| --- | --- |
| Actor | System |
| 1. Choose command “Add customer”   Main Screen:  Store Management System  Add Add Add  Product Customer Purchase | Display “Add Customer” Screen  “Add Customer” Screen:  Add Customer  Customer ID \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Phone \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Address \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  ADD CANCEL |
| 1. Enter values into fields and submits via clicking ‘add’ button   Add Customer  Customer ID 1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Name John Smith\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Phone 251-678-9089\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Address 580 N Ross\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  ADD CANCEL | 1. Hide “Add Customer” Screen and display “Add Customer Successfully” view     ‘Added Successfully!’    OK |
| 1. Click on “OK” button | 1. Display “Main” Screen |

Name: Adding a new customer into the system and we hit an exception

Steps:

|  |  |
| --- | --- |
| Actor | System |
| 1. Choose command “Add customer”   Main Screen:  Store Management System  Add Add Add  Product Customer Purchase | Display “Add Customer” Screen  “Add Customer” Screen:  Add Customer  Customer ID \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Phone \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Address \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  ADD CANCEL |
| 1. Enter values into fields and submits via clicking ‘add’ button   Add Customer  Customer ID 1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Name John Smith\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Phone 251-678-9089\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Address 580 N Ross\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  ADD CANCEL | 1. Keep “Add Customer” Screen and display “Add Customer Successfully” view     ‘Customer ID already taken.  Please choose an unused id’  OK |
| 1. Click on “OK” button | 1. Display “Main” Screen |

Name: Adding a new purchase into the system

Steps:

|  |  |
| --- | --- |
| Actor | System |
| 1. Choose command “Add Purchase”   Main Screen:  Store Management System  Add Add Add  Product Customer Purchase | Display “Add Purchase” Screen  “Add Purchase” Screen:  Add Purchase  Purchase ID \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Customer ID \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Product ID \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Quantity \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Price \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Date/Time \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Tax Rate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Total Cost \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  ADD CANCEL |
| 1. Enter values into fields and submits via clicking ‘add’ button   Add Purchase  Purchase ID 5\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Customer ID 2\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Product ID 1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Quantity 5\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Price 10\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Date/Time 1/2/2019\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Tax Rate 0.09\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Total Cost 50.50\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  ADD CANCEL | 1. Hide “Add Purchase” Screen and display “Add Purchase Successfully” view     ‘Added Successfully!’    OK |
| 1. Click on “OK” button | 1. Display “Main” Screen |

Name: Adding a new purchase into the system and we hit an exception

Steps:

|  |  |
| --- | --- |
| Actor | System |
| 1. Choose command “Add Purchase”   Main Screen:  Store Management System  Add Add Add  Product Customer Purchase | Display “Add Purchase” Screen  “Add Purchase” Screen:  Add Purchase  Purchase ID \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Customer ID \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Product ID \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Quantity \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Price \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Date/Time \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Tax Rate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Total Cost \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  ADD CANCEL |
| 1. Enter values into fields and submits via clicking ‘add’ button   Add Purchase  Purchase ID 5\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Customer ID 2\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Product ID 1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Quantity 5\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Price 10\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Date/Time 1/2/2019\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Tax Rate 0.09\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Total Cost 50.50\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  ADD CANCEL | 1. Keep “Add Purchase” Screen and display “Add Purchase Successfully” view     ‘Purchase ID already taken.  Please choose an unused id’  OK |
| 1. Click on “OK” button | 1. Display “Main” Screen |

2.



Customers

Buy Products Purchase



Date price productid name



3.

Products(**product id**, Barcode, name, expiration date, price, tax rate, quantity, supplier)

Customers(**customerid**, Name, Address, phone, payment info)

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

4./5.

Create Table “Customers” {

“CustomerID” INTEGER NOT NULL,

“Name” TEXT DEFAULT “Guest”,

“Phone” TEXT DEFAULT “334-555-5555”,

“Address” TEXT,

PRIMARY KEY(“CustomerID”),

}

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

VALUES

(1, “Mark”, ‘’, “Auburn, AL”)

(2, “Sam”, “”, “USA”)

(3, “”Alan, “651-957-8768”, “Someplace”);

CREATE TABLE Products {

ProductID INTEGER NOT NULL PRIMARY KEY,

Name TEXT,

Price REAL,

Quantity REAL,

TaxRate REAL

};

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

VALUES

(1, “Apple”, 0.99, 100, 0.09)

(2, “Orange”, 1.99, 100, 0.09)

(3, “iPhone”, 799.99, 100, 0.09);

CREATE TABLE Purchases {

PurchaseID INTEGER NOT NULL PRIMARY KEY,

CustomerID INTEGER,

ProductID INTEGER,

Date time DATETIME,

Quantity INTEGER,

Price REAL,

TaxRate REAL,

TotalCost REAL

};

INSERT INTO Products(PurchaseID, CustomerID, ProductID, Date time, Quantity, Price, TaxRate, TotalCost) VALUES

(1, 2, 3, ‘11/2/2019’, 5, 0.99, 15, 0.09, 150)

(1, 2, 3, ‘1/2/2019’, 9, 0.99, 5, 0.09, 50)

(1, 2, 3, ‘11/21/2019’, 51, 0.99, 15, 0.09, 1150);