

Add Product:

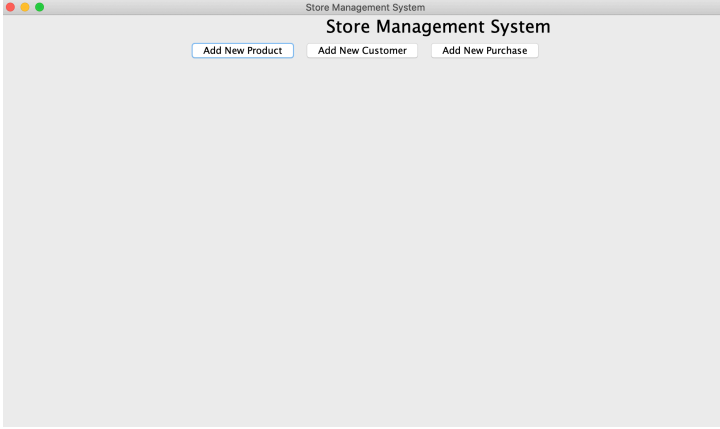
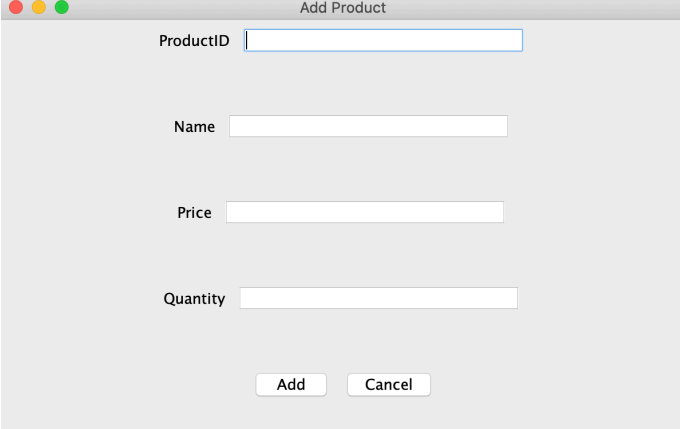
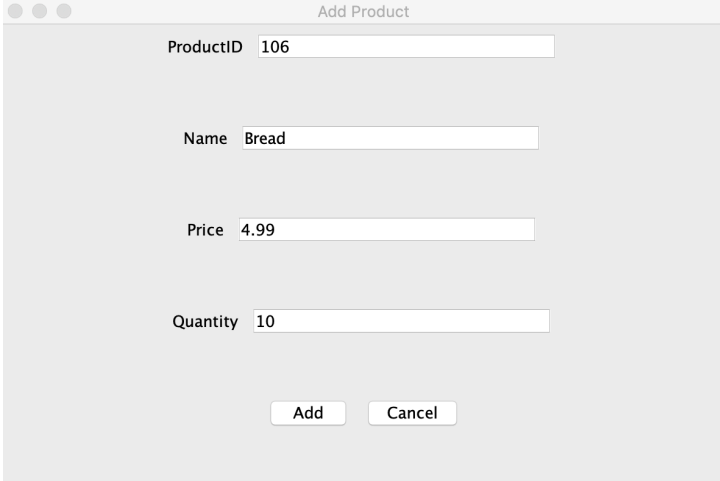
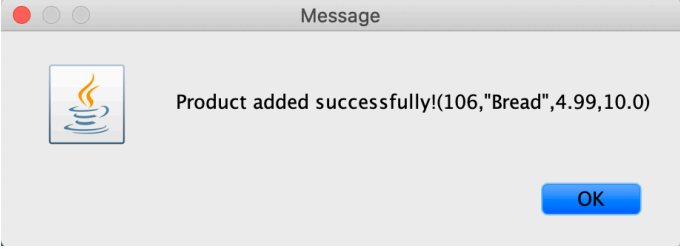
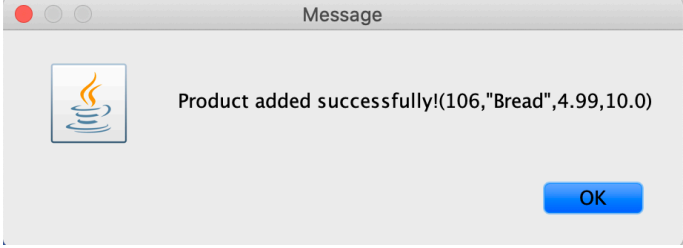
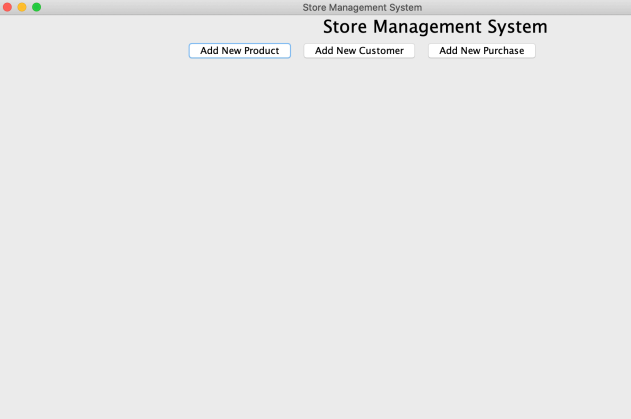
Common Case: Product added successfully!

A. Name: Adding new products to the systems

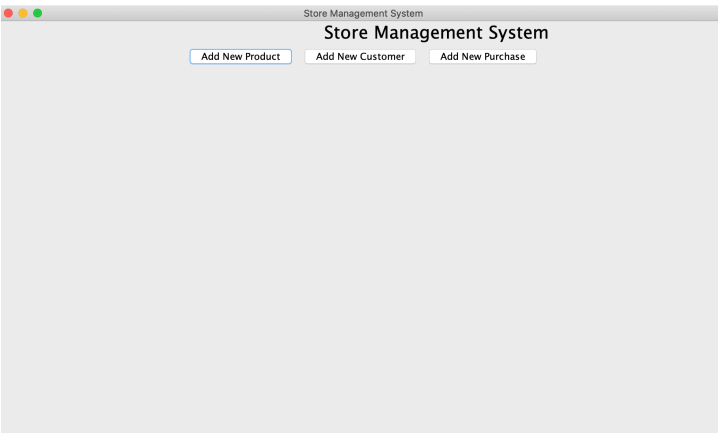
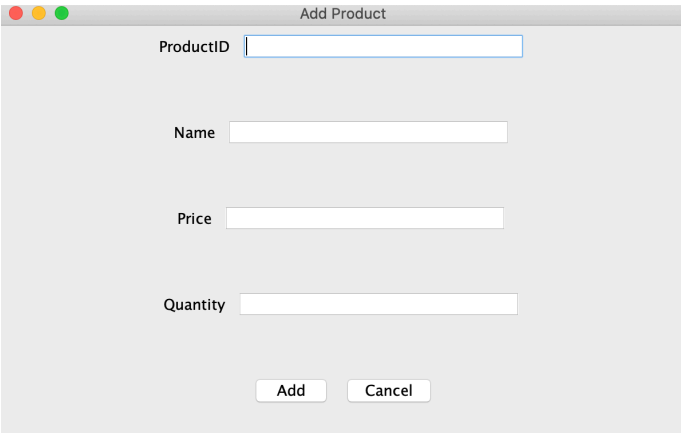
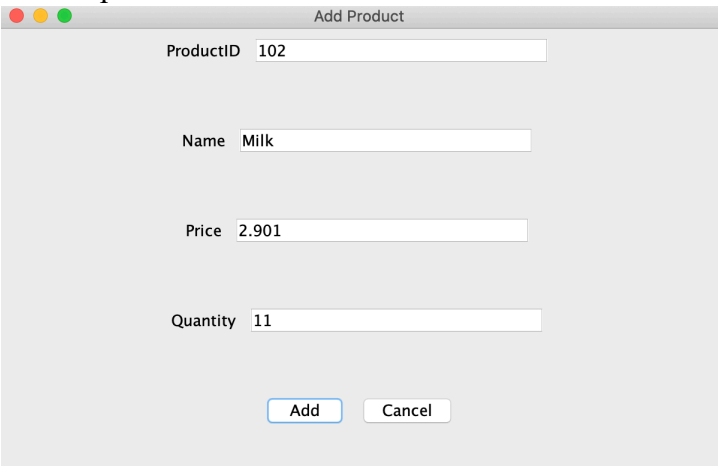
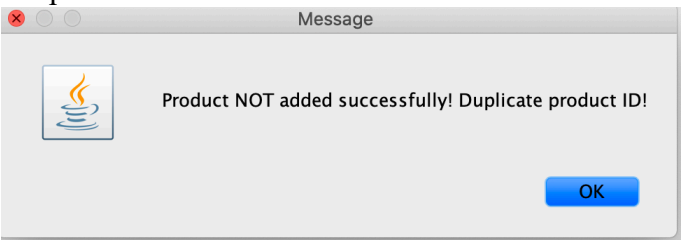
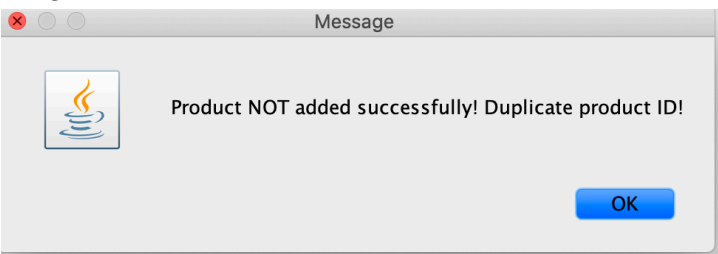
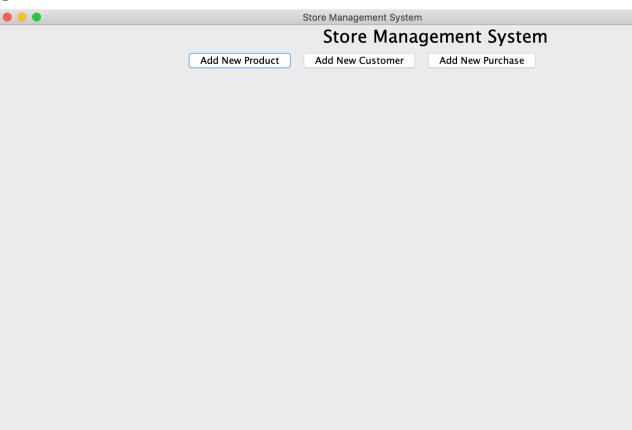
F. Related use cases: Updating other products and adding users

G. Steps: Describe each step using a 2-column format

Steps:

Actor	System
<p>1.Choose command “Add Product”</p> <p>Main Screen:</p> 	<p>1.Display “Add Product” screen</p> <p>“Add Product” screen:</p> 
<p>2.Input data the click “Add” button</p> 	<p>2. Hide “Add Product” Screen and display “Add Product Successfully” screen:</p> 
<p>3.Click “OK” Button</p> 	<p>3.Display “Main” Screen</p> 

Exception: Duplicate Product ID

Actor	System
<p>1.Choose command “Add Product”</p> <p>Main Screen:</p> 	<p>1.Display “Add Product” screen</p> <p>“Add Product” screen:</p> 
<p>2.Input data the click “Add” button</p> 	<p>2. Hide “Add Product” Screen and display “Product NOT added successfully! Duplicate product ID!” screen:</p> 
<p>3.Click “OK” Button</p> 	<p>3.Return to “Main” Screen</p> 

Add Customer:

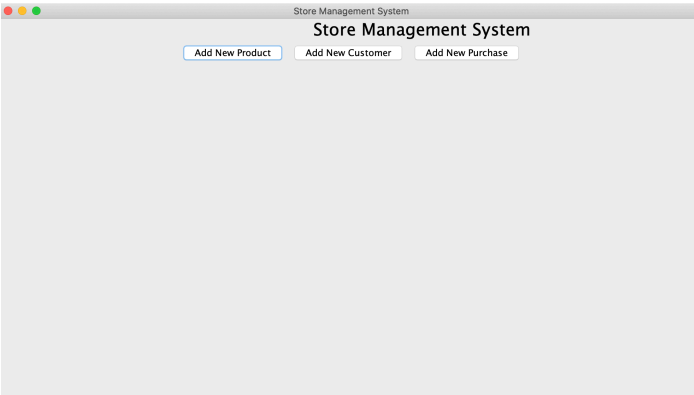
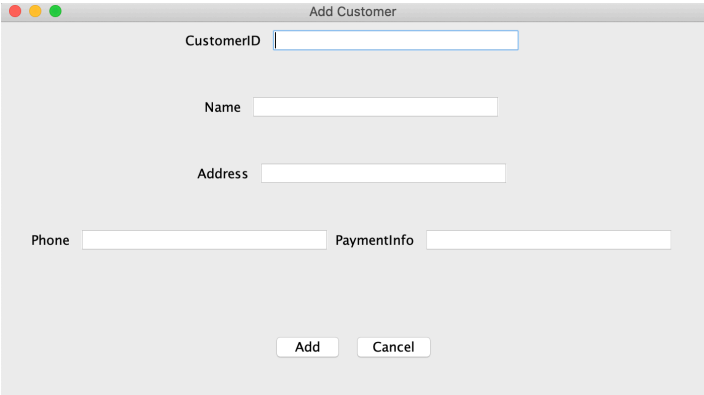
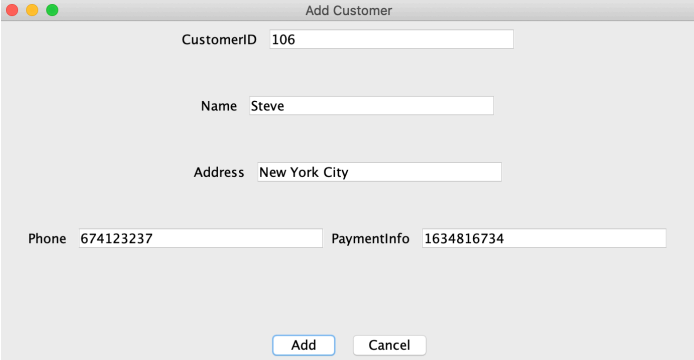


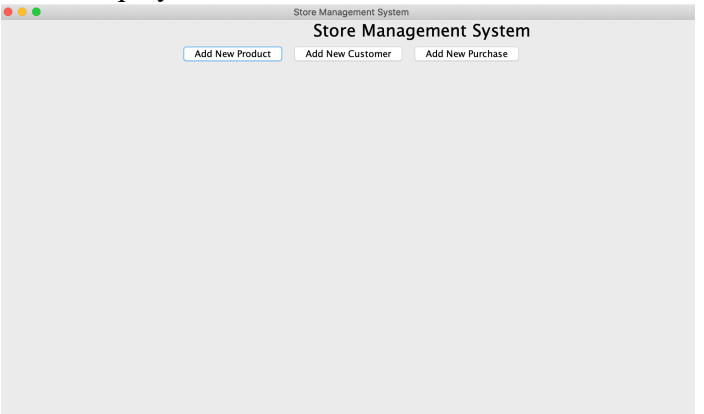
Common Case: Customer added successfully!

A. Name: Adding new customers to the systems

F. Related use cases: Updating other customer information and adding purchases to customers

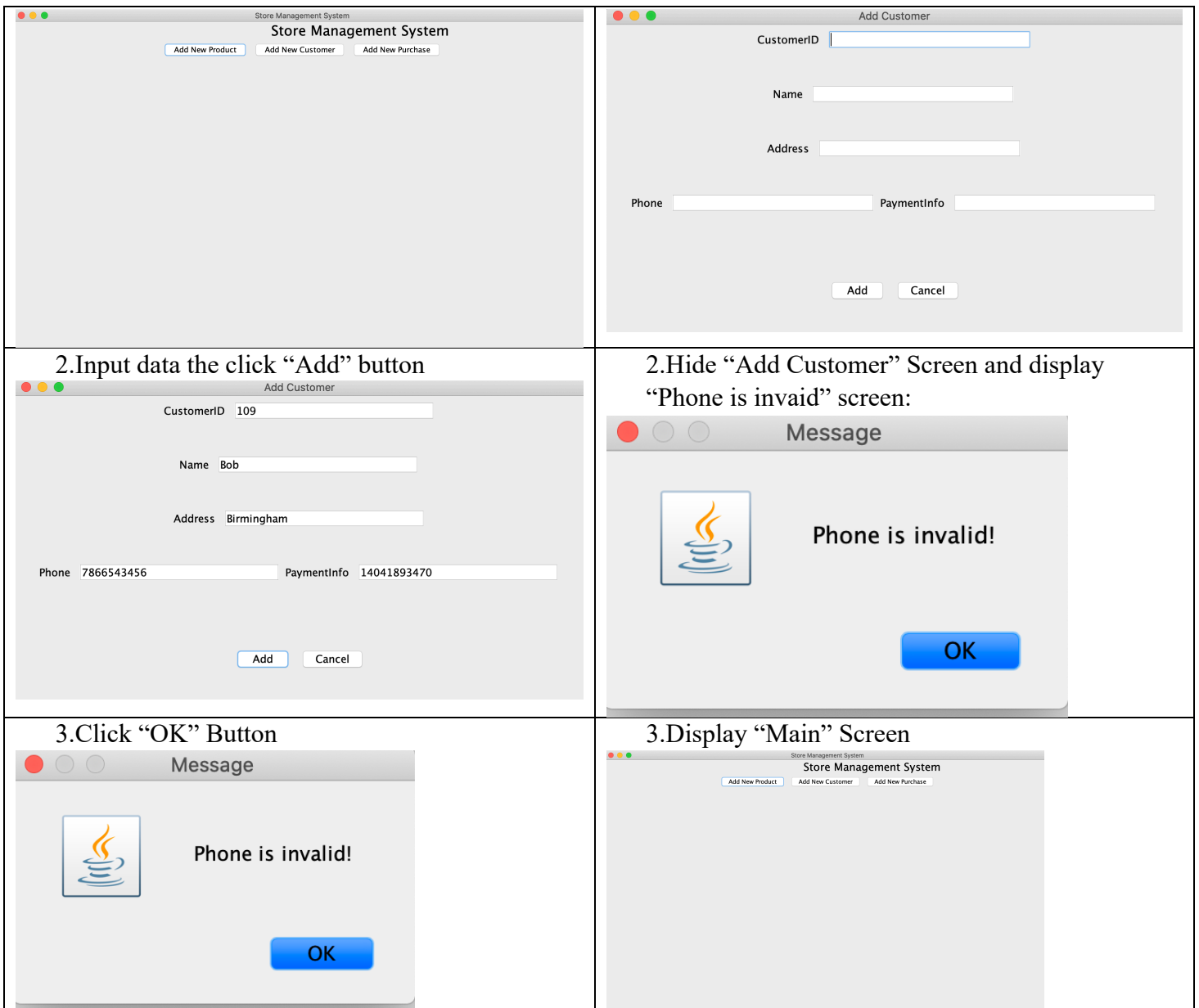
G. Steps: Describe each step using a 2-column format

Steps:

Actor	System
<p>1.Choose command “Add Customer”</p> <p>Main Screen:</p> 	<p>1.Display “Add Customer” screen</p> <p>“Add Customer” screen:</p> 
<p>2.Input data the click “Add” button</p> 	<p>2.Hide “Add Customer” Screen and display “Add Customer Successfully” screen:</p> 
<p>3.Click “OK” Button</p> 	<p>3.Display “Main” Screen</p> 

Exception: Invalid Phone!

Actor	System
<p>1.Choose command “Add Customer”</p> <p>Main Screen:</p>	<p>1.Display “Add Customer” screen</p> <p>“Add Customer” screen:</p>



Add Purchase:

Common Case: Purchase added successfully!

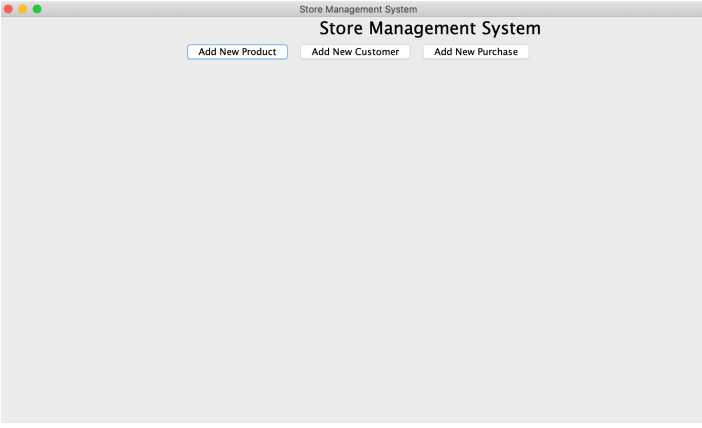
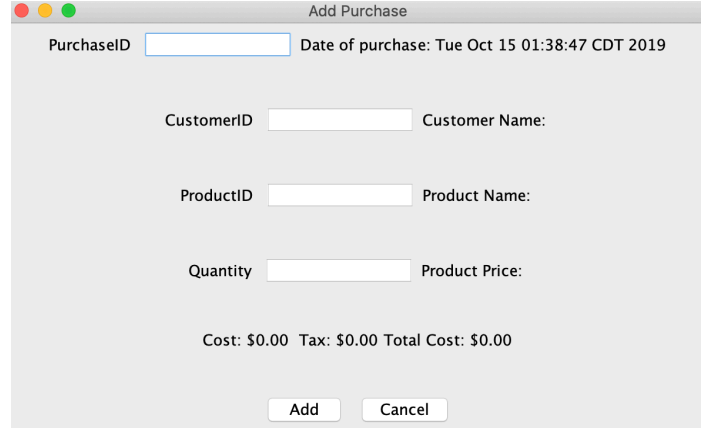
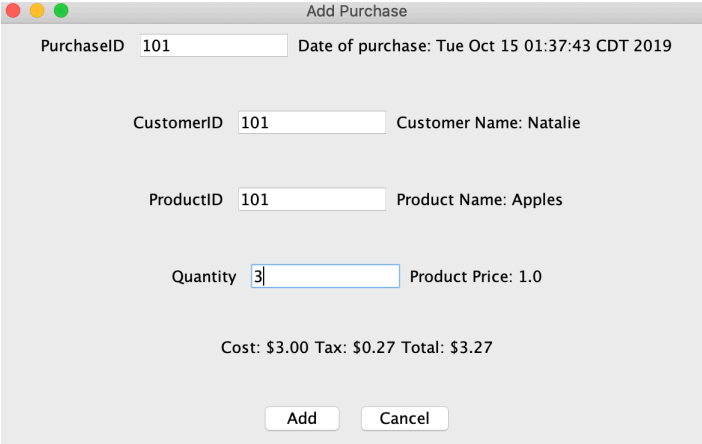


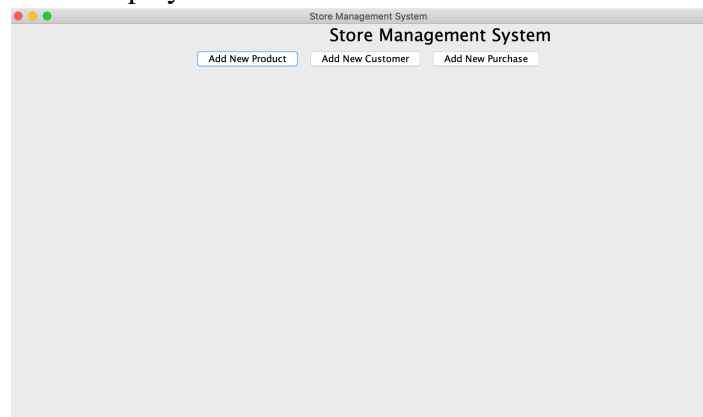
A. Name: Adding new transactions to the systems

F. Related use cases: Updating other transactions and adding customers to purchase

G. Steps: Describe each step using a 2-column format

Steps:

Actor	System
1.Choose command “Add Purchase”	1.Display “Add Product” screen
Main Screen:	“Add Product” screen:

 <p>Store Management System</p> <p>Buttons: Add New Product, Add New Customer, Add New Purchase</p>	 <p>Add Purchase</p> <p>PurchaseID: <input type="text"/> Date of purchase: Tue Oct 15 01:38:47 CDT 2019</p> <p>CustomerID: <input type="text"/> Customer Name:</p> <p>ProductID: <input type="text"/> Product Name:</p> <p>Quantity: <input type="text"/> Product Price:</p> <p>Cost: \$0.00 Tax: \$0.00 Total Cost: \$0.00</p> <p>Buttons: Add, Cancel</p>
<p>2. Input data the click “Add” button</p>  <p>Add Purchase</p> <p>PurchaseID: 101 Date of purchase: Tue Oct 15 01:37:43 CDT 2019</p> <p>CustomerID: 101 Customer Name: Natalie</p> <p>ProductID: 101 Product Name: Apples</p> <p>Quantity: 3 Product Price: 1.0</p> <p>Cost: \$3.00 Tax: \$0.27 Total: \$3.27</p> <p>Buttons: Add, Cancel</p>	<p>2. Hide “Add Product” Screen and display “Add Product Successfully” screen:</p>  <p>Message</p> <p>Purchase added successfully!(111,101,101,1.0,3.0,3.0,0.27,3.27,"Tue Oct 15 01:37:43 CDT 2019")</p> <p>Button: OK</p>
<p>3. Click “OK” Button</p>  <p>Message</p> <p>Purchase added successfully!(111,101,101,1.0,3.0,3.0,0.27,3.27,"Tue Oct 15 01:37:43 CDT 2019")</p> <p>Button: OK</p>	<p>3. Display “Main” Screen</p>  <p>Store Management System</p> <p>Buttons: Add New Product, Add New Customer, Add New Purchase</p>

Exception: Invalid customer ID!

Actor	System
1.Choose command “Add Purchase”	1.Display “Add Product” screen
Main Screen:	“Add Product” screen:

Store Management System

Add New Product
Add New Customer
Add New Purchase

Add Purchase

PurchaseID
Date of purchase: Tue Oct 15 01:38:47 CDT 2019

CustomerID
Customer Name:

ProductID
Product Name:

Quantity
Product Price:

Cost: \$0.00 Tax: \$0.00 Total Cost: \$0.00

Add
Cancel

2.Input data the click “Add” button

Add Purchase

PurchaseID 101
Date of purchase: Tue Oct 15 01:53:41 CDT 2019

CustomerID 152
Customer Name:

ProductID
Product Name: [not specified!]


Quantity
Product Price:

Cost: \$0.00 Tax: \$0.00 Total Cost: \$0.00

Add
Cancel

2.Hide “Add Product” Screen and display “Error: No customer with id ” screen:


Error Message


Error: No customer with id = 152 in store!

OK

3.Click “OK” Button

Error Message


Error: No customer with id = 152 in store!

OK

3.Display “Main” Screen

Store Management System

Add New Product
Add New Customer
Add New Purchase

SQL:

```

CREATE TABLE "Customers" (
  "CustomerID"    INTEGER NOT NULL,
  "CustomerName" TEXT NOT NULL,
  "Phone"         TEXT NOT NULL,
  "Address"       TEXT NOT NULL,
  "PaymentInfo"   INTEGER,
  PRIMARY KEY("CustomerID")
);

```

```
CREATE TABLE "Products" (
    "ProductID"    INTEGER NOT NULL,
    "Name" TEXT NOT NULL,
    "Price"  NUMERIC NOT NULL,
    "Quantity"    INTEGER NOT NULL,
    PRIMARY KEY("ProductID")
);
```

```
CREATE TABLE "Purchases" (
    "PurchaseID"    INTEGER NOT NULL,
    "CustomerID"    INTEGER NOT NULL,
    "ProductID"    INTEGER NOT NULL,
    "Price"  REAL NOT NULL,
    "Quantity"    REAL NOT NULL,
    "Cost"  REAL NOT NULL,
    "Tax"  REAL NOT NULL,
    "Total" REAL NOT NULL,
    "Date"  TEXT,
    PRIMARY KEY("PurchaseID")
);
```

```
INSERT INTO Customers ("CustomerID", "CustomerName", "Phone", "Address", "PaymentInfo")
VALUES
(101, "Natalie", "678675231", "Auburn", 123456),
(102, Peyton, "897654234", "Auburn", 87362341),
(103, Colton, "561573199", "Dallas", 134190481),
(104, Susan, "404384249", "Atlanta", 397091624)
(105, Grace, "678546372", "Nashville", 397374321);
```

```
INSERT INTO Products ("ProductID", "Name", "Price", "Quantity")
VALUES (101, "Apples", 1, 10),
(102, "Oranges", 2, 15),
(103, "Bananas", 2, 8),
(104, "Limes", 5, 12)
(105, "Lemons", 3, 7);
```

```
INSERT INTO Purchases ("PurchaseID", "CustomerID", "ProductID", "Price", "Quantity", "Cost", "Tax", "Total", "Date")
VALUES (101, 101, 101, 1.0, 2.0, .18, 2.18, "Tue Oct 15 00:55:32 CDT 2019"),
(102, 102, 102, 2.0, 2.0, 2.0, 0.18, 2.18, "Tue Oct 15 00:55:32 CDT 2019"),
(103, 103, 103, 2.0, 4.0, 8.0, 0.72, 8.72, "Tue Oct 15 00:57:15 CDT 2019"),
(104, 103, 102, 2.0, 4.0, 8.0, 0.72, 8.72, "Tue Oct 15 00:58:42 CDT 2019"),
(105, 104, 105, 3.0, 5.0, 15.0, 1.35, 16.35, "Tue Oct 15 00:58:42 CDT 2019"),
(106, 105, 104, 5.0, 4.0, 20.0, 1.8, 21.8, "Tue Oct 15 00:58:42 CDT 2019"),
(107, 102, 103, 2.0, 7.0, 14.0, 1.26, 15.26, "Tue Oct 15 00:58:42 CDT 2019"),
(108, 101, 102, 2.0, 4.0, 8.0, 0.72, 8.72, "Tue Oct 15 00:58:42 CDT 2019"),
(109, 105, 103, 2.0, 4.0, 8.0, 0.72, 8.72, "Tue Oct 15 00:58:42 CDT 2019")
(110, 103, 101, 1.0, 2.0, 2.0, 0.18, 2.18, "Tue Oct 15 00:58:42 CDT 2019");
```