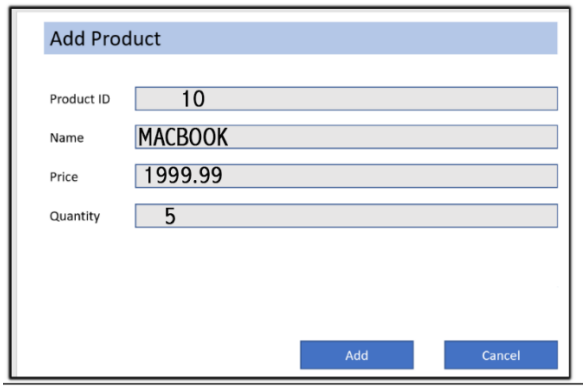
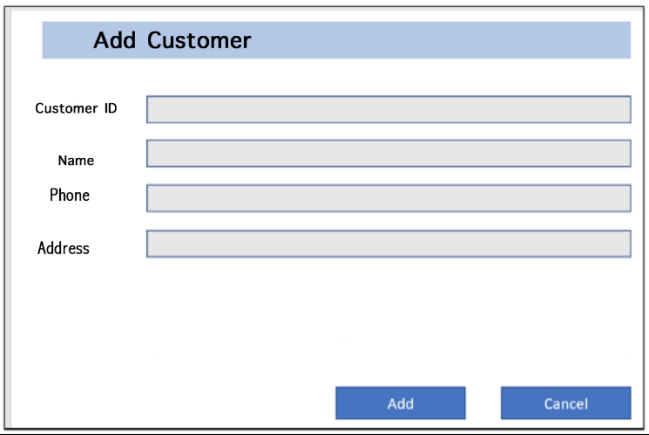
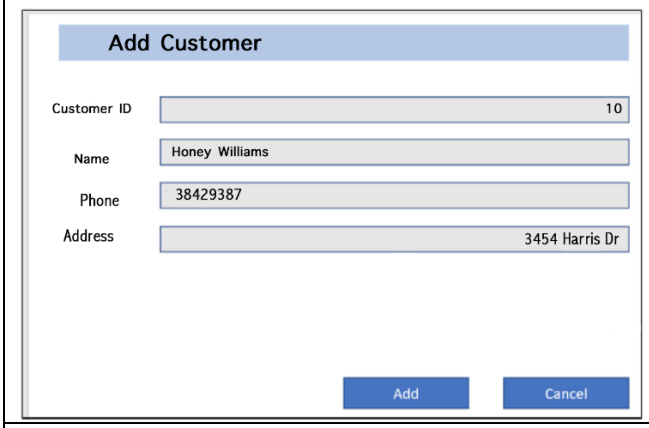
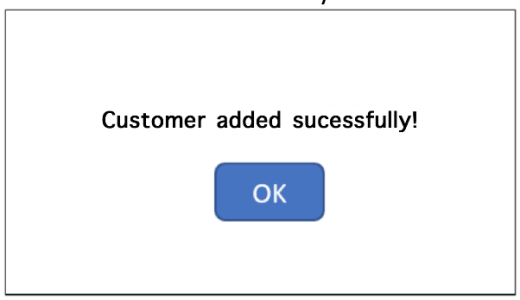
- As a user, I want to add a new product into the system.

Actor	System
1. Choose command “Add Product” Main screen: 	2. Display “Add Product” screen “Add Product” screen:
3. Input data then click “Add” button “Add Product” screen with data: 	4. Hide “Add Product” screen and display “Add Product Successfully” screen: “Add Product Successfully” screen:
5. Click on “OK” button: 	6. Display “Main” screen

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

Actor	System

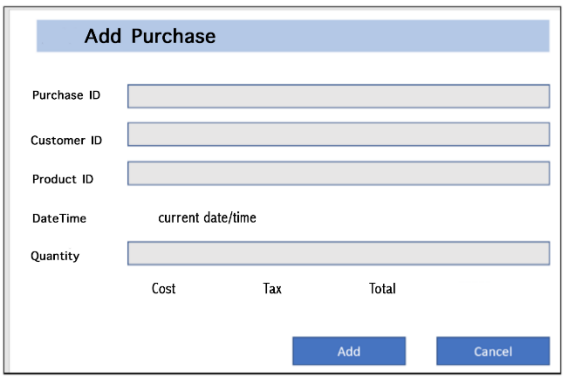
Actor	System
1. Choose command “Add Customer” Main screen: 	2. Display “Add Customer” screen “Add Customer” screen: 
3. Input data then click “Add” button “Add Customer” screen with data:  	4. Hide “Add Customer” screen and display “Add Customer Successfully” screen: “Add Customer Successfully” screen: 
5. Click on “OK” button: 	6. Display “Main” screen

1. Choose command “Add Purchase”

Main screen:

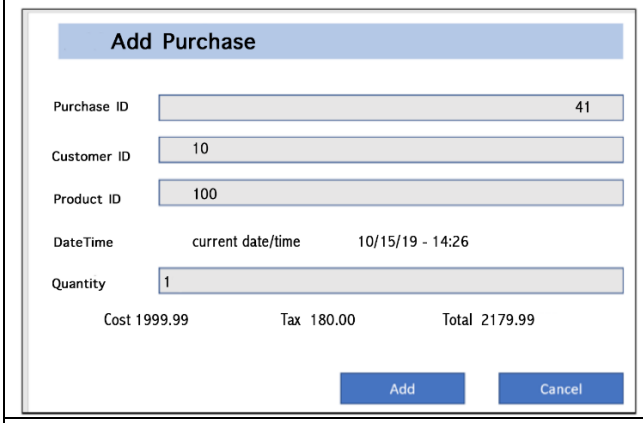
2. Display “Add Purchase” screen

“Add Purchase” screen:



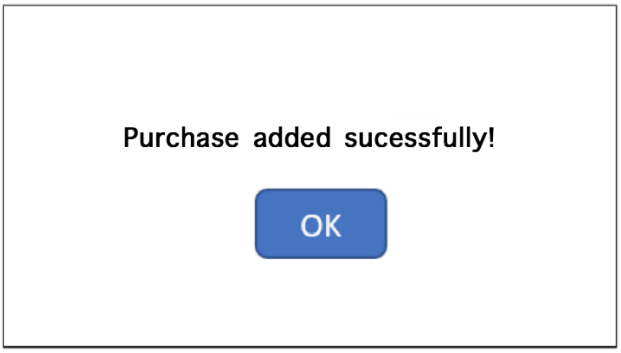
3. Input data then click “Add” button

“Add Purchase” screen with data:



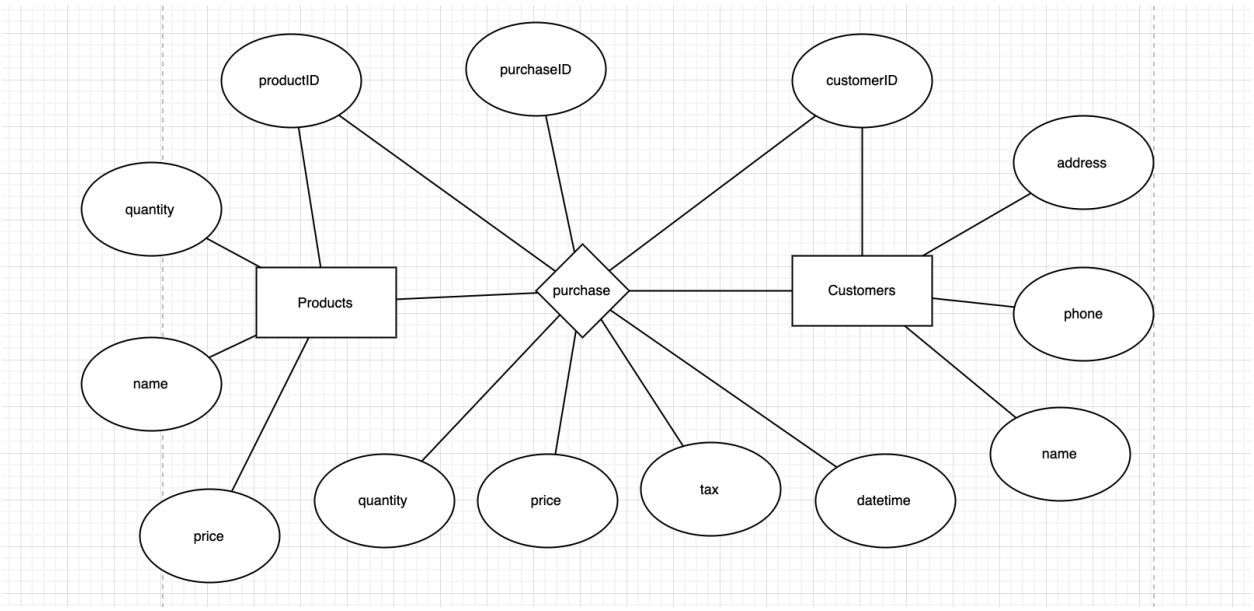
4. Hide “Add Purchase” screen and display “Add Purchase Successfully” screen:

“Add Purchase Successfully” screen:



5. Click on “OK” button:

6. Display “Main” screen


productID
purchaseID
customerID
address
quantity
Products
purchase
Customers
phone
name
name
price
quantity
price
tax
datetime

Products: all you want to sell

- name, productid, price, quantity, supplier, description
- Primary key being productid

Customers: people who purchase products

- name, address, customerid, phone, payment info
- Primary key being customerid

Purchase: all that you have sold

- purchaseid, customerid, productid, date time, quantity, price
- Primary key being purchaseid
- Foreign keys being productid, customerid

Products(**productid**, name, price, quantity)
Customers(**customerid**, name, phone, address)
Purchases(**purchaseid**, customerid, productid, quantity, price, tax, date time)

```
CREATE TABLE Products (
productID int not null primary key,
name varchar(100),
price float,
Quantity int,
);

CREATE TABLE Customers (
customerID int not null primary key,
name varchar(100),
Phone int,
address varchar(250),
);

CREATE TABLE Purchases (
purchaseID int not null primary key,
productID int,
customerID int,
quantity int,
price int,
tax int,
datetime string,
);


INSERT INTO Products (productID, name, price, quantity)
VALUES
(1, “Cereal”, 10, 10),
(2, “Jelly Beans”, 2, 10),
```

(20, “MACBOOK”, 1999.99, 10),

(101, “Apple”, 0.5, 10),

(102, “Eggs”, 0.7, 20),

(103, “Bread”, 2, 15),

(104, “Grapes”, 4, 11),

(105, “Cucumbers”, 1.5, 18);

INSERT INTO Customers (customerID, name, phone, address)

VALUES

(2, “France”, “12345567”, “123 Lane”),

(10, “Honey Williams”, “1234342”, “123 Lane”),

(101, “Honey Williams”, “1234342”, “453 Drive”),

(102, “Jeffrey Cad”, “349394”, “453 Lane”),

(103, “Thomas Lang”, “5849928”, “453 Circle”),

(104, “Jessica Simpson”, “6738493”, “234 Drive”),

(105, “Elton Jon”, “12543245”, “696 Road”);

INSERT INTO Purchases (purcasheID, productID, customerID, quantity, price, tax, datetime)

VALUES

(101,2,2,2,2,4,0.36,4.36,“Tue Oct 15 13:31:36 CDT 2019”),

(102,10,20,1999.99,1,1999.99,179.9991,2179.9891,“Tue Oct 15 14:27:14 CDT 2019”),

(111,101,101,0.5,2,1,0.09,1.09, “Tue Oct 15 14:49:53 CDT 2019”),

(112,101,102,0.7,3,2.1,0.189,2.289, “Tue Oct 15 14:49:53 CDT 2019”),

(113,102,101,0.5,2,1,0.09,1.09, “Tue Oct 15 14:49:53 CDT 2019”),

(114,103,103,2,1,2,0.18,2.18, “Tue Oct 15 14:49:53 CDT 2019”),

(115,103,102,0.7,2,1.4,0.126,1.526, “Tue Oct 15 14:49:53 CDT 2019”),

(116,104,104,4,1,4,0.36,4.36, “Tue Oct 15 14:49:53 CDT 2019”),

(117,105,101,0.5,1,0.5,0.045,0.545, “Tue Oct 15 14:49:53 CDT 2019”),

(118,105,102,0.7,2,1.4,0.126,1.526, “Tue Oct 15 14:49:53 CDT 2019”),

(119,105,104,4,3,12,1.08,13.08, “Tue Oct 15 14:49:53 CDT 2019”),

(120,105,103,2,4,8,0.72,8.72, “Tue Oct 15 14:49:53 CDT 2019”);