

- 1.) Add a new product into the system successfully
 - a.) Try adding a product with no ID.
- 2.) Update a product in the system successfully
 - a.) Try updating a product with no name
- 3.) Add a new customer into the system successfully
 - a.) Try adding a duplicate customer
- 4.) Update a customer in the system successfully
 - a.) Try updating a customer with no ID
- 5.) Add a new purchase into the system successfully
 - a.) Try adding a purchase with no quantity
- 6.) Update a purchase in the system successfully
 - a.) Try updating a purchase with no ID

Name: Adding a new product into the system

Steps:

Actor	System
1. Choose command "Add Product" Main screen: <div style="text-align: center;">Store Management System</div> <div> <u>[Add Product]</u> <u>[Add Customer]</u> <u>[Add purchase]</u> <u>[Update Product]</u> <u>[Update Customer]</u> <u>[Update Purchase]</u> </div>	2. Display "Add Product" "Add Product" screen: Add Product: Product ID: Name: Price: Quantity: <div> <u>[Add]</u> <u>[Cancel]</u> </div>
3. Input data and click "Add" button "Add Product" screen with data Add Product: Product ID: 100 Name: Apple iPhone 11 Price: 1999.99 Quantity: 10 <div> <u>[Add]</u> <u>[Cancel]</u> </div>	4. Hide "Add Product" screen and display "Add product successfully" screen or "Product NOT added successfully" "Product added" screen: <div style="text-align: center;"> "Product added successfully!" Or "Product NOT added successfully" <u>[Ok]</u> </div>

5. Click on “Ok” button	6. Display “Main” screen Main screen: <div style="text-align: center;"> Store Management System <u>[Add Product]</u> <u>[Add Customer]</u> <u>[Add purchase]</u> <u>[Update Product]</u> <u>[Update Customer]</u> <u>[Update Purchase]</u> </div>
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Name: Updating a product in the system

Steps:

Actor	System
1. Choose command “Update Product” Main screen: <div style="text-align: center;"> Store Management System <u>[Add Product]</u> <u>[Add Customer]</u> <u>[Add purchase]</u> <u>[Update Product]</u> <u>[Update Customer]</u> <u>[Update Purchase]</u> </div>	2. Display “Update Product” “Update Product” screen: Update Product: Product ID: Name: Price: Quantity: <div style="text-align: center;"> <u>[Add]</u> <u>[Cancel]</u> </div>
3. Input data and click “Update” button “Update Product” screen with data Update Product: Product ID: 100 Name: Apple iPhone 11 Price: 1999.99 Quantity: 10 <div style="text-align: center;"> <u>[Update]</u> <u>[Cancel]</u> </div>	4. Hide “Update Product” screen and display “Update product successfully” screen “Product updated” screen: <div style="text-align: center;"> Product updated successfully! Or Product NOT updated successfully <u>[Ok]</u> </div>

5. Click on “Ok” button	6. Display “Main” screen Main screen: <div style="text-align: center;"> Store Management System <u>[Add Product]</u> <u>[Add Customer]</u> <u>[Add purchase]</u> <u>[Update Product]</u> <u>[Update Customer]</u> <u>[Update Purchase]</u> </div>
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Name: Adding a new customer into the system

Steps:

Actor	System
1. Choose command “Add Customer” Main screen: <div style="text-align: center;"> Store Management System <u>[Add Product]</u> <u>[Add Customer]</u> <u>[Add purchase]</u> </div>	2. Display “Add Customer” “Add Customer” screen: Add Customer: Customer ID: Name: Address: Phone: Payment info: <div style="text-align: center;"> <u>[Add]</u> <u>[Cancel]</u> </div>
3. Input data and click “Add” button “Add Customer” screen with data Add Customer: Customer ID: 101 Name: Bob Jones Address: 123 Auburn Ln Phone: 123-223-1234 Payment info: visa 1234 <div style="text-align: center;"> <u>[Add]</u> <u>[Cancel]</u> </div>	4. Hide “Add Customer” screen and display “Add Customer successfully” screen “Customer added” screen: <div style="text-align: center;"> Customer added successfully! Or Customer NOT added successfully <u>[Ok]</u> </div>

5. Click on “Ok” button	6. Display “Main” screen Main screen: <div style="text-align: center;"> Store Management System <u>[Add Product]</u> <u>[Add Customer]</u> <u>[Add purchase]</u> <u>[Update Product]</u> <u>[Update Customer]</u> <u>[Update Purchase]</u> </div>
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Name: Updating a customer in the system

Steps:

Actor	System
1. Choose command “Update Customer” Main screen: <div style="text-align: center;"> Store Management System <u>[Add Product]</u> <u>[Add Customer]</u> <u>[Add purchase]</u> <u>[Update Product]</u> <u>[Update Customer]</u> <u>[Update Purchase]</u> </div>	2. Display “Update Customer” “Update Customer” screen: Update Customer: Customer ID: Name: Address: Phone: <div style="text-align: center;"> <u>[Add]</u> <u>[Cancel]</u> </div>
3. Input data and click “Update” button “Update Customer” screen with data Update Customer: Customer ID:1 Name:Dalton Skinner Address:123 Auburn rd Phone: 123-456-7890 <div style="text-align: center;"> <u>[Update]</u> <u>[Cancel]</u> </div>	4. Hide “Update Customer” screen and display “Customer updated successfully” screen “Customer updated” screen: <div style="text-align: center;"> Customer updated successfully! Or Customer NOT updated successfully <u>[Ok]</u> </div>

5. Click on “Ok” button	6. Display “Main” screen Main screen: <div style="text-align: center;">Store Management System</div> <div style="text-align: center;"> [Add Product] [Add Customer] [Add purchase] [Update Product] [Update Customer] [Update Purchase] </div>
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Name: Adding a new purchase into the system

Steps:

Actor	System
1. Choose command “Add Purchase” Main screen: <div style="text-align: center;">Store Management System</div> <div style="text-align: center;"> [Add Product] [Add Customer] [Add purchase] [Update Product] [Update Customer] [Update Purchase] </div>	2. Display “Add Purchase” “Add Purchase” screen: Add Purchase: Purchase ID: Customer ID: Product ID: Quantity: Price: Total cost: Tax: Time: Date: <div style="text-align: right;"> [Add] [Cancel] </div>

<p>3. Input data and click “Add” button</p> <p>“Add Purchase” screen with data</p> <p>Add Purchase: Purchase ID: Customer ID: Product ID: Quantity: Price: Total cost: Tax: Time: Date:</p> <p><u>[Add]</u> <u>[Cancel]</u></p>	<p>4. Hide “Add Purchase” screen and display “Add Purchase successfully” screen</p> <p>“Purchase added” screen:</p> <p>Purchase added successfully!</p> <p>Or</p> <p>Purchase NOT added successfully</p> <p><u>[Ok]</u></p>
<p>5. Click on “Ok” button</p>	<p>6. Display “Main” screen</p> <p>Main screen:</p> <p>Store Management System</p> <p><u>[Add Product]</u> <u>[Add Customer]</u> <u>[Add purchase]</u></p> <p><u>[Update Product]</u> <u>[Update Customer]</u> <u>[Update Purchase]</u></p>

Name: Updating a purchase into the system

Steps:

Actor	System
<p>1. Choose command "Update Purchase"</p> <p>Main screen:</p> <p>Store Management System</p> <p>[Add Product] [Add Customer] [Add purchase]</p> <p>[Update Product] [Update Customer] [Update Purchase]</p>	<p>2. Display "Update Purchase"</p> <p>"Update Purchase" screen:</p> <p>Add Purchase:</p> <p>Purchase ID: Customer ID: Product ID: Quantity: Price: Total cost: Tax: Time: Date:</p> <p>[Save] [Cancel]</p>
<p>3. Input data and click "Save" button</p> <p>"Update Purchase" screen with data</p> <p>Update Purchase:</p> <p>Purchase ID: Customer ID: Product ID: Quantity: Price: Total cost: Tax: Time: Date:</p> <p>[Save] [Cancel]</p>	<p>4. Hide "Update Purchase" screen and display "Purchase updated successfully" screen</p> <p>"Purchase updated" screen:</p> <p>Purchase updated successfully!</p> <p>Or</p> <p>Purchase NOT updated successfully</p> <p>[Ok]</p>

5. Click on “Ok” button

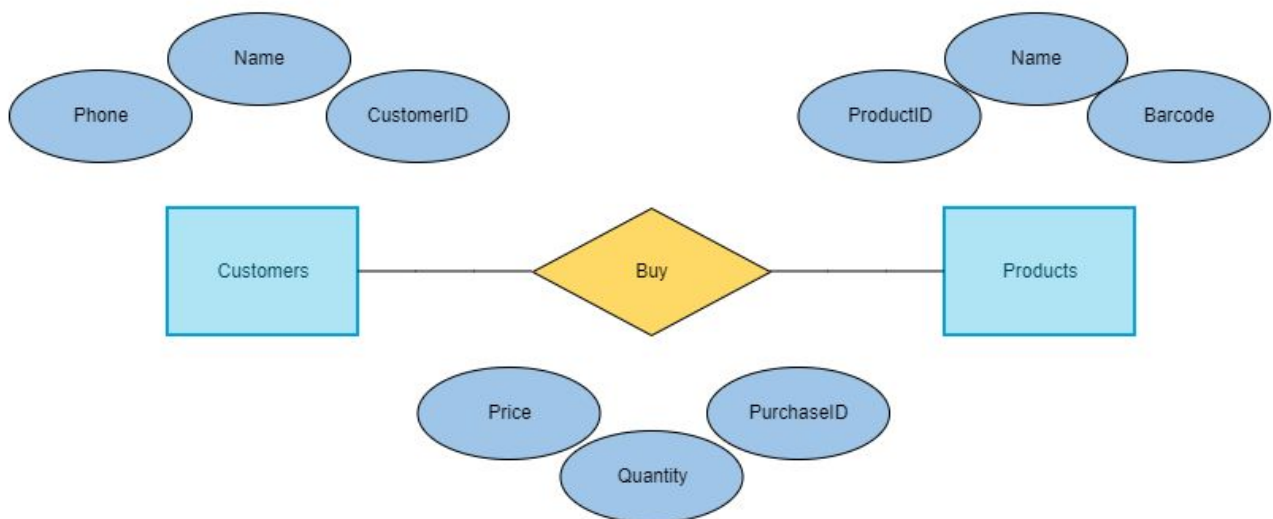
6. Display “Main” screen

Main screen:

Store Management System

[Add Product] [Add Customer] [Add purchase]

[Update Product] [Update Customer] [Update Purchase]



Products(productID,Barcode, name, expiration date, price, quantity, supplier)

Customers(customerID,Name, address, phone, payment info)

Purchase(purchaseID, customerID, productID, date, time, quantity, price, tax, total cost)

[Customers] ----- {Purchase} ----- [Products]

-customerID	-PurchaseID	-productID
-Name	-Quantity	-name
-address	-Price	-barcode
-Phone	-Total cost	-expiration date
-Payment info	-Tax	-price
	-Time	-quantity
	-Date	-supplier
	-CustomerID	
	-ProductID	