

1.

Name	Common Case: User adds product into the system.			
Actors	Worker			
Goals	Add specified product with information into the system.			
Preconditions	The system may have a number of products already entered in, but not one with the same product ID as the new product.			
Summary	A worker will add a new product, including descriptive data, with a unique ID into the product database.			
Related use cases	Add a customer into the system. Add a purchase to the system.			
Steps	<table><tr><td>1. Choose “Add New Product” from Store Management System main menu. 3. Enter required information and click “Add” 5. Select “Ok” 7. Click “Cancel” 9. Click “Exit”</td><td>2. Open “Add Product” window with blank fields for product ID, name, price, and quantity. 4. Display success dialogue box and add product with values to the system’s product database. 6. Close dialogue window 8. Return to main menu 10. Close system UI</td></tr></table>		1. Choose “Add New Product” from Store Management System main menu. 3. Enter required information and click “Add” 5. Select “Ok” 7. Click “Cancel” 9. Click “Exit”	2. Open “Add Product” window with blank fields for product ID, name, price, and quantity. 4. Display success dialogue box and add product with values to the system’s product database. 6. Close dialogue window 8. Return to main menu 10. Close system UI
1. Choose “Add New Product” from Store Management System main menu. 3. Enter required information and click “Add” 5. Select “Ok” 7. Click “Cancel” 9. Click “Exit”	2. Open “Add Product” window with blank fields for product ID, name, price, and quantity. 4. Display success dialogue box and add product with values to the system’s product database. 6. Close dialogue window 8. Return to main menu 10. Close system UI			
Postconditions	The system’s product database should now contain the new product with the correct user-entered information.			
Extension	Worker adds product but entered product ID already exists within the database.			

Name	Exception: User updates existing product
Actors	Worker
Goals	Retrieve specified product’s information and edit.
Preconditions	The system contains a product with an ID that the actor will enter.
Summary	A worker will enter a product ID and retrieve its current information before updating the product in the database.
Related	Update a customer

use cases	Update a purchase	
Steps	1. Choose “Update Product Information” from Store Management System main menu. 3. Enter desired product’s ID into the appropriate field and selected “Load Product” 5. Edit desired fields and selected “Save Product” 7. Click “OK” 9. Click “Cancel” 11. Click “Exit”	2. Open “Update Product Information” window with blank fields for product ID, name, price, and quantity. 4. Fill remaining fields with information of product with matching ID 6. Display success dialogue box and update product with new values in the system’s product database. 8. Close dialogue window 10. Return to main menu 12. Close system UI
Postconditions	Product still exists within database, but with new values entered by the user.	

Name	Common Case: User adds customer into the system.	
Actors	Worker	
Goals	Add specified customer with information into the system.	
Preconditions	The system may have a number of customers already entered in, but not one with the same customer ID as the new customer.	
Summary	A worker will add a new customer, including descriptive data, with a unique ID into the customer database.	
Related use cases	Add a product into the system. Add a purchase to the system.	
Steps	1. Choose “Add New Customer” from Store Management System main menu. 3. Enter required information and click “Add” 5. Select “Ok” 7. Click “Cancel” 9. Click “Exit”	2. Open “Add Customer” window with blank fields for customer ID, name, phone, and payment info. 4. Display success dialogue window and add customer with values to the system’s customer database table. 6. Close dialogue

		window 8. Return to main menu 10. Close system UI
Postconditions	The system's customer database should now contain the new customer with the correct worker-entered information.	
Extension	Worker adds customer but entered customer ID already exists within the database.	

Name	Exception: User updates existing customer	
Actors	Worker	
Goals	Retrieve specified customer's information and edit.	
Preconditions	The system contains a customer with an ID that the actor will enter.	
Summary	A worker will enter a customer ID and retrieve its current information before updating the customer in the database.	
Related use cases	Update a product Update a purchase	
Steps	1. Choose "Update Customer Information" from Store Management System main menu. 3. Enter desired customer's ID into the appropriate field and selected "Load Customer" 5. Edit desired fields and selected "Save Customer" 7. Click "OK" 9. Click "Cancel" 11. Click "Exit"	2. Open "Update Customer Information" window with blank fields for customer ID, name, phone, and address. 4. Fill remaining fields with information of customer with matching ID 6. Display success dialogue box and update customer with new values in the system's customer database. 8. Close dialogue window 10. Return to main menu 12. Close system UI
Postconditions	Customer still exists within database, but with new values entered by the user.	

Name	Common Case: User adds purchase into the system.
------	--

Actors	Worker			
Goals	Add record of purchase with information into the system.			
Preconditions	The system may have a number of purchases already entered in, but not one with the same purchase ID as the new purchase.			
Summary	A worker will add a new purchase, including descriptive data, with a unique ID into the purchase database table.			
Related use cases	Add a product into the system. Add a customer to the system.			
Steps	<table><tr><td>1. Choose “Add New Purchase” from Store Management System main menu. 3. Enter required information. 5. Select “Add” 7. Select “Ok” 9. Select “Cancel” 11. Select “Exit”</td><td>2. Open “Add Product” window with blank fields for purchase ID, customer ID, product ID, and quantity. 4. Update labels with names from user-entered information. 6. Display success dialogue window and add product to the database. 8. Print receipt, close dialogue window 10. Return to main menu 12. Close system UI</td></tr></table>		1. Choose “Add New Purchase” from Store Management System main menu. 3. Enter required information. 5. Select “Add” 7. Select “Ok” 9. Select “Cancel” 11. Select “Exit”	2. Open “Add Product” window with blank fields for purchase ID, customer ID, product ID, and quantity. 4. Update labels with names from user-entered information. 6. Display success dialogue window and add product to the database. 8. Print receipt, close dialogue window 10. Return to main menu 12. Close system UI
1. Choose “Add New Purchase” from Store Management System main menu. 3. Enter required information. 5. Select “Add” 7. Select “Ok” 9. Select “Cancel” 11. Select “Exit”	2. Open “Add Product” window with blank fields for purchase ID, customer ID, product ID, and quantity. 4. Update labels with names from user-entered information. 6. Display success dialogue window and add product to the database. 8. Print receipt, close dialogue window 10. Return to main menu 12. Close system UI			
Postconditions	The system’s purchase database should now contain the new purchase record with the correct user-entered information.			
Extension	Worker adds purchase but entered purchase ID already exists within the database.			

Name	Exception: User updates existing purchase
Actors	Worker
Goals	Retrieve specified purchase’s information and edit.
Preconditions	The system contains a purchase with an ID that the actor will enter.
Summary	A worker will enter a purchase ID and retrieve its current information before updating the purchase in the database.
Related	Update a customer

use cases	Update a product	
Steps	1. Choose “Update Purchase Information” from Store Management System main menu. 3. Enter desired purchase’s ID into the appropriate field and selected “Load Purchase” 5. Edit desired fields and selected “Save Purchase” 7. Click “OK” 9. Click “Cancel” 11. Click “Exit”	2. Open “Update Purchase Information” window with blank fields for purchase ID, customer ID, product ID, price, quantity, cost, tax, total, date. 4. Fill remaining fields with details of purchase with matching ID 6. Display success dialogue box and update purchase with new values in the system’s purchase database. 8. Close dialogue window 10. Return to main menu 12. Close system UI
Postconditions	Purchase still exists within database, but with new values entered by the user.	

2.

### Store Management System

Add New Product
Add New Customer
Add New Purchase
Update Product Information
Update Customer Information

Update Purchase Information
Exit

ProductID

Name

Price

Quantity

Add
Cancel

Product added successfully!(ProductID, Name, Price, Quantity)

CustomerID

Name

Phone

Address

Customer added successfully!(CustomerID,  
Name, Phone, PaymentInfo)

Add Purchase

PurchaseID  Date of purchase:

CustomerID  Customer Name:

ProductID  Product Name:

Quantity  Product Price:

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

Purchase added successfully!(PurchaseID,  
CustomerID, ProductID, Quantity)  
Press ok to print receipt.

ProductID

Name

Price

Quantity

Product updated  
successfully!(ProductID, Name, Price,  
Quantity)

Load Customer

Save Customer

Cancel

CustomerID

Name

Phone

Address

Customer updated  
successfully!(CustomerID, Name, Phone,  
Address)

Load Purchase

Save Purchase

Cancel

PurchaseID

CustomerID

ProductID

Price

Quantity

Cost

Tax

Total

Date

Purchase updated successfully!(PurchaseID,  
CustomerID, ProductID, Price, Quantity, Cost,  
Tax, Total, Date)