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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	<div> <div> 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” </div> <div> 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 </div> </div>	
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 attempts to add product with duplicate ID in database.
Actors	Worker
Goals	Attempt to add a duplicate product ID and fail.
Preconditions	The system contains a product with an ID that the actor will enter and attempt to add.
Summary	A worker will attempt to add a new product, but the system will deny the addition due to a product with a duplicate ID already existing in the database.

Related use cases	Add a customer with duplicate ID in database. Add a purchase with duplicate ID in database.	
Steps	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 duplicate product ID error and make no changes to database. 6. Close error dialogue window 8. Return to main menu 10. Close system UI
Postconditions	No changes to the database made.	

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 attempts to add customer with duplicate ID in database.	
Actors	Worker	
Goals	Attempt to add a duplicate customer ID and fail.	
Preconditions	The system contains a customer with an ID that the actor will enter and attempt to add.	
Summary	A worker will attempt to add a new customer, but the system will deny the addition due to a customer with a duplicate ID already existing in the database.	
Related use cases	Add a product with duplicate ID in database. Add a purchase with duplicate ID in database.	
Steps	<ol style="list-style-type: none"> 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" 	<ol style="list-style-type: none"> 2. Open "Add Customer" window with blank fields for customer ID, name, phone, and payment info. 4. Display duplicate customer ID error and make no changes to database. 6. Close error dialogue window 8. Return to main menu 10. Close system UI
Postconditions	No changes to the database made.	

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	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 attempts to add purchase with duplicate ID in database.	
Actors	Worker	
Goals	Attempt to add a duplicate purchase ID and fail.	
Preconditions	The system contains a purchase record with an ID that the actor will enter and attempt to add.	
Summary	A worker will attempt to add a new purchase, but the system will deny the addition due to a purchase with a duplicate ID already existing in the database.	
Related use cases	Add a product with duplicate ID in database. Add a customer with duplicate ID in database.	
Steps	1. Choose “Add New Purchase” from Store Management System main menu. 3. Enter required information 5. Select “Add”	2. Open “Add Purchase” window with blank fields for purchase ID, customer ID, product ID, and quantity. 4. Update labels with names from user-entered

	7. Click “Ok” 9. Click “Cancel” 11. Click “Exit”	information. 6. Display duplicate ID error dialogue window and make no database changes. 8. Close error dialogue window 10. Return to main menu 12. Close system UI
Postconditions	No changes to the database made.	

2.

Main Menu

Add Product

Add Customer

Add Purchase

Exit

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

Add

Cancel

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

Product NOT added successfully! Duplicate product ID!

Add Customer

CustomerID

Name

Phone

Payment info

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

Customer NOT added successfully! Duplicate
customer ID!

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.

OK

Purchase NOT added successfully! Duplicate
purchase ID!