

1. As a user, I want to log in the system.

Name: Login

Actors: User

Goals: Successfully log in to the store management system.

Pre-conditions: User is at the login screen.

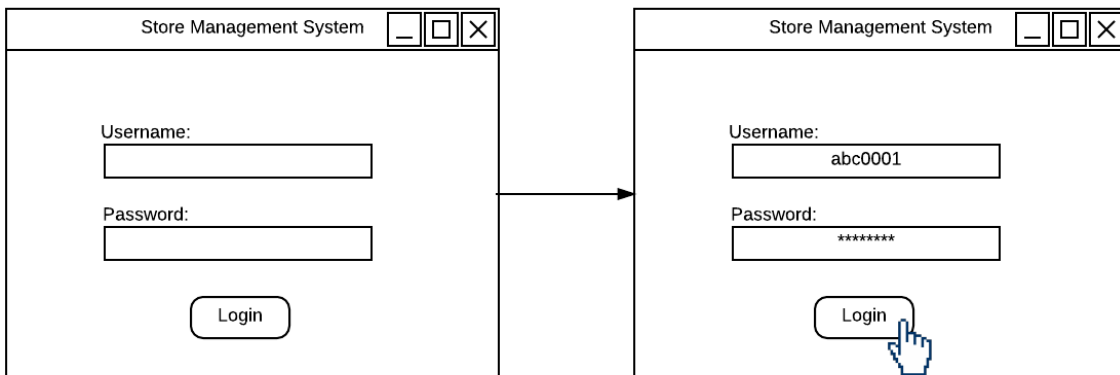
Summary: The user inputs a username and password. If the information is valid, then the user is brought to their role's main menu. If the information is not valid, the user is prompted with an error.

Related Use Cases: Change password

Steps:

Actor action	System response
1. Input username and password and select "Login"	2. Display main screen (the main screen's contents depend on role of the user)

Post-conditions: The user has reached the main menu.



2. As a user, I want to change my login password.

Name: Change password

Actors: User

Goals: Successfully change the user's password.

Pre-conditions: User has logged in and has reached the main menu.

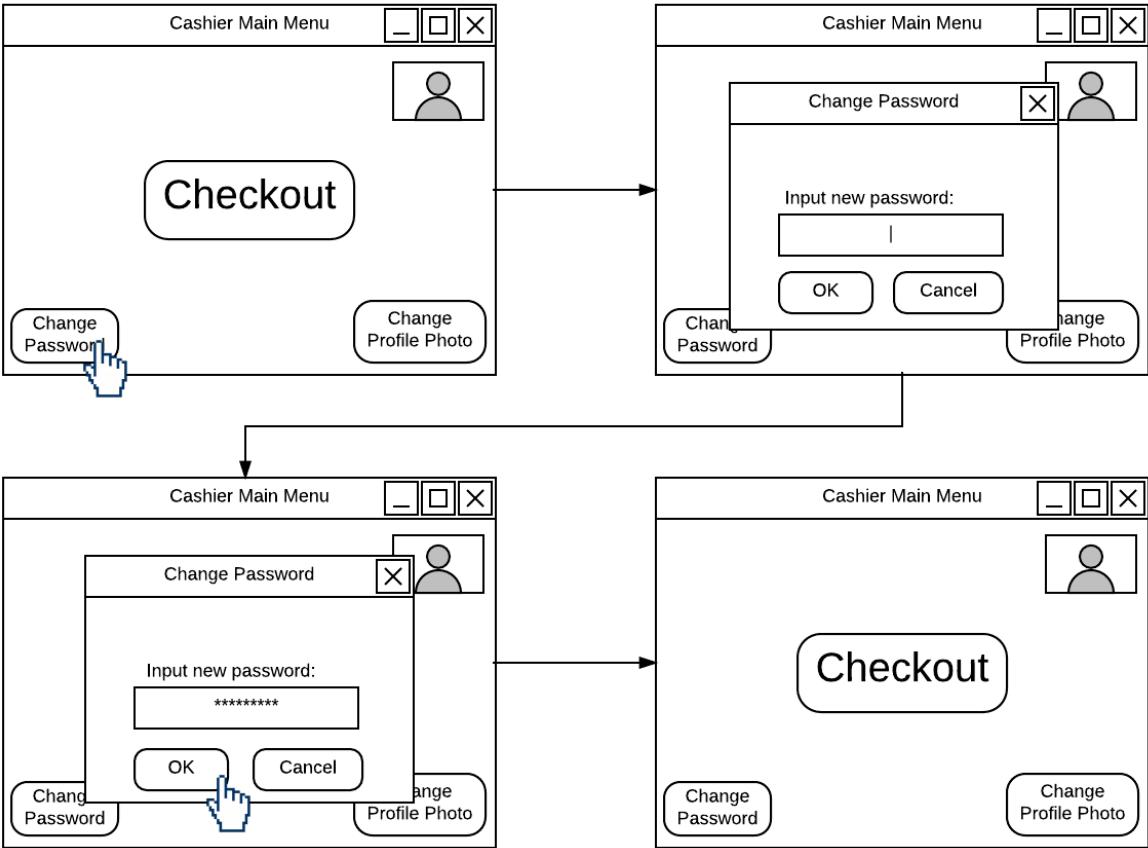
Summary: The user inputs their current password and new desired password. The user is then brought back to the main menu.

Related Use Cases: Login

Steps:

Actor action	System response
1. Select "Change Password" from main menu	2. Display "Change Password" screen
3. Input both the current password and the desired new password and click OK	4. Update the system with the new password, overwriting the old one

Post-conditions: The user's password has been updated and the user has been brought back to the main menu.



3. As a user, I want to change my profile photo.

Name: Change Profile Photo

Actors: User

Goals: Successfully change the user's profile photo.

Pre-conditions: The user has logged in and has reached the main menu.

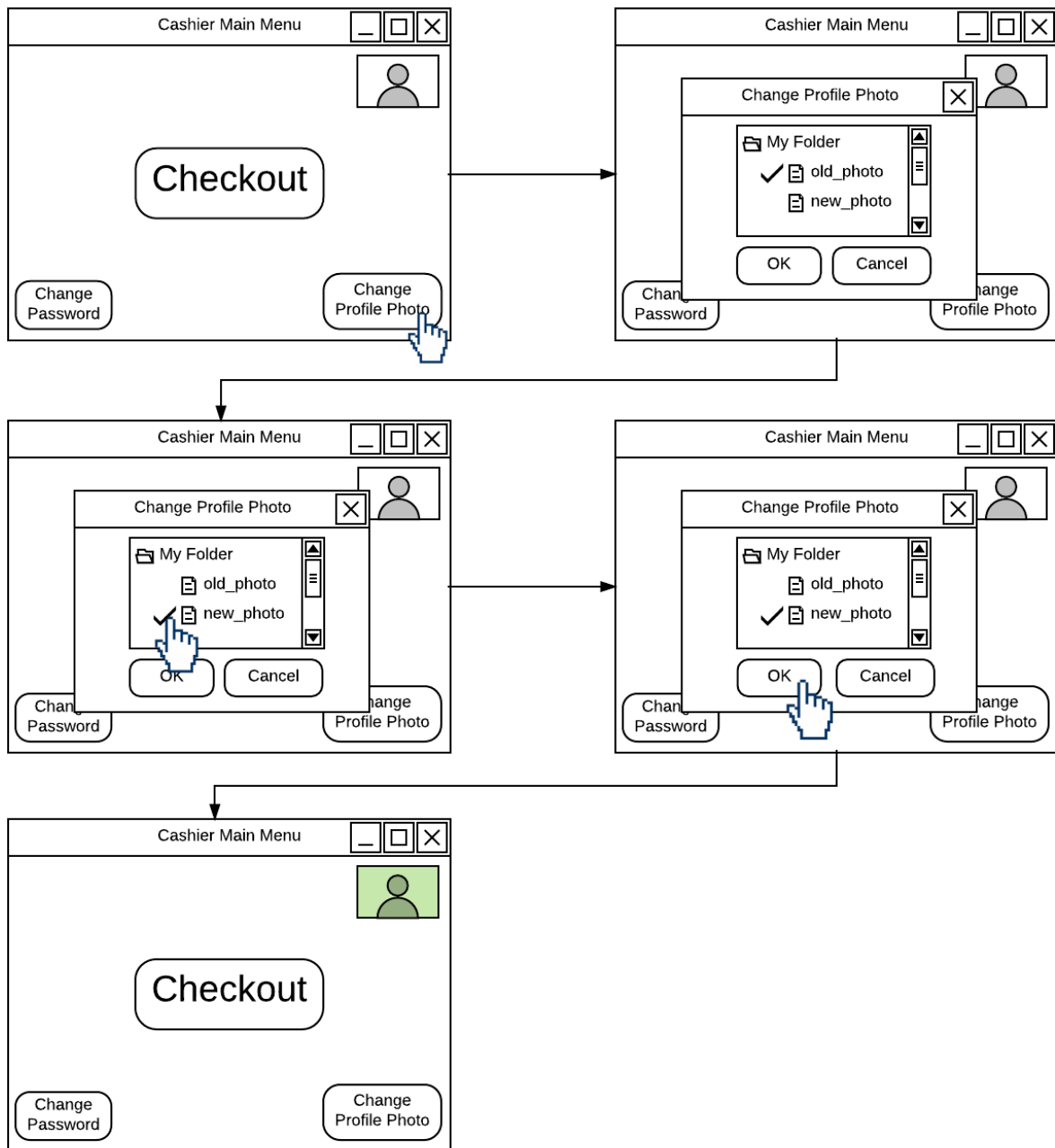
Summary: The user navigates to the "Change Profile Photo" screen, selects desired photo from machine, and is then brought back to the main menu.

Related Use Cases: None

Steps:

Actor action	System response
1. Select "Change Profile Photo" from main menu	2. Display "Change Profile Photo" screen
3. Select "Upload New Photo" button	4. Display machine's directory browser
5. Select desired photo from machine and click OK	6. Update the system with the new photo, overwriting the old one

Post-conditions: The user's profile photo has been updated and the user has been brought back to the main menu.



4. As a cashier, I want to check out an order.
Name: Checkout
Actors: Cashier
Goals: Successfully check out an order.
Pre-conditions: Customer has selected the item(s) that they would like to purchase and is ready to check out.

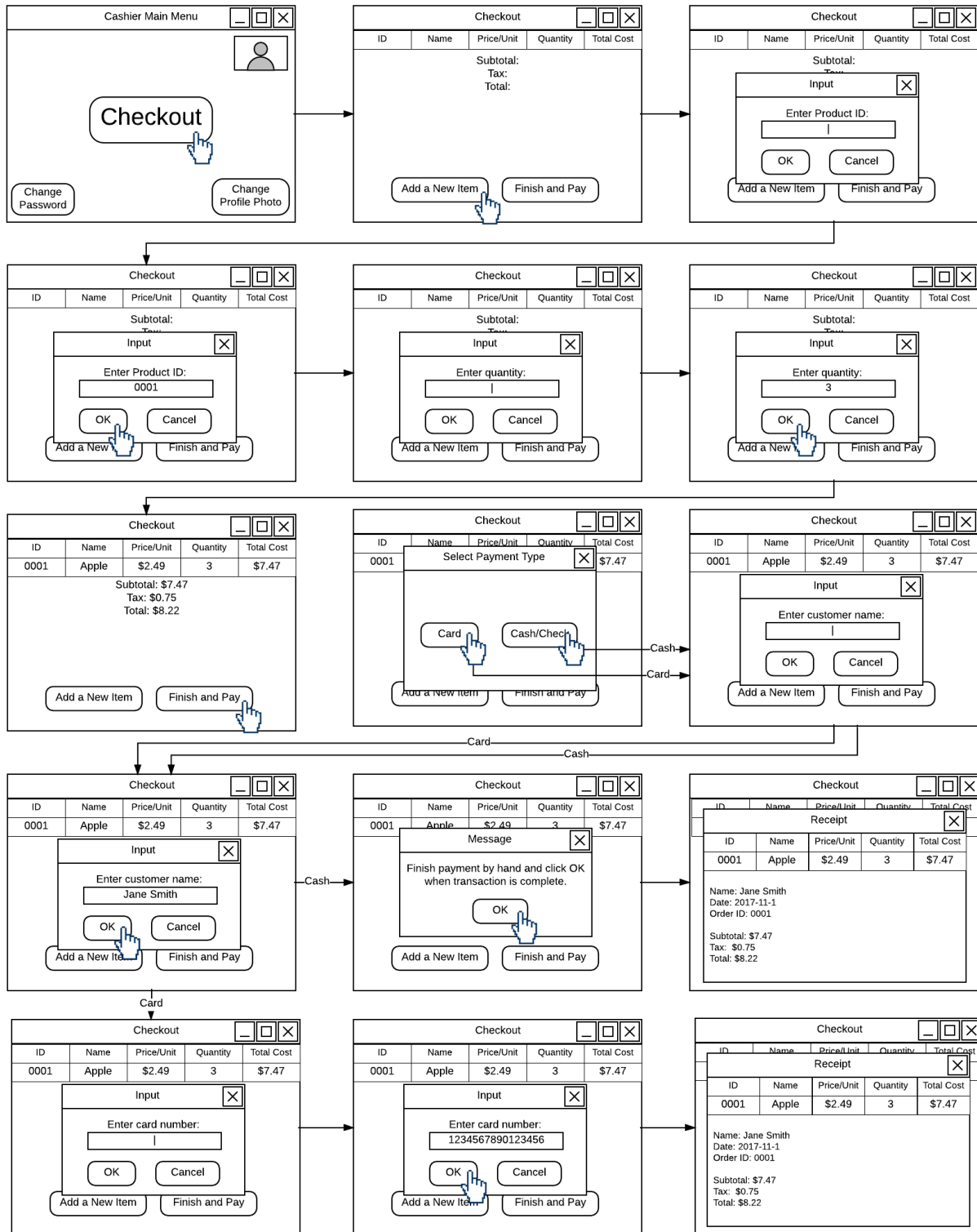
Summary: The cashier checks out item(s) that the customer would like to purchase. Item IDs are input by hand. The customer has the option to either pay with a debit/credit card or pay with cash/check. If using a card, the customer must provide a card number and signature. Receipt is printed once the transaction is finished.

Related Use Cases: Add product, update product, view report

Steps:

Actor action	System response
1. Select "Checkout" on the main menu	2. Display checkout screen that contains the list of items, subtotal, tax, and total, as well as "Add a New Item" and "Finish and Pay" buttons
3. Select "Add a New Item"	4. Display an input screen prompting the cashier to enter a product ID
5. Input a valid product ID and click OK	6. Display an input screen prompting the cashier to enter a quantity
7. Input a valid quantity and click OK	8. Display updated item list on the checkout screen with the new item
9. Repeat steps 3 through 7 until order is complete (if necessary)	10. Repeat step 8 until order is complete (if necessary)
11. Select "Finish and Pay"	12. Show "Select Payment Type" screen with different payment methods (card, cash/check)
13. Select payment type 13.1) Payment type: card 13.2) Payment type: cash/check	14. Display "Enter customer name" screen
15. Input customer's name and click OK	16.1) Display "Enter card number" screen 16.2) Display "Finish payment by hand" screen
17.1) Input 16-digit card number and click OK 17.2) Finish payment by hand and click OK	18. Display receipt, complete with list of items, each item's specific information, the customer's name, the date, the order ID, the subtotal, the tax, and the total cost

Post-conditions: Products in the order have been removed from the database and the new order ID has been added to the database. The cashier has been brought back to the main menu.



5. As a manager, I want to add a new product into the system's database.

Name: Add new product

Actors: Manager

Goals: Successfully add a product into the system.

Pre-conditions: Product does not already exist in the database and the manager is currently at the main menu.

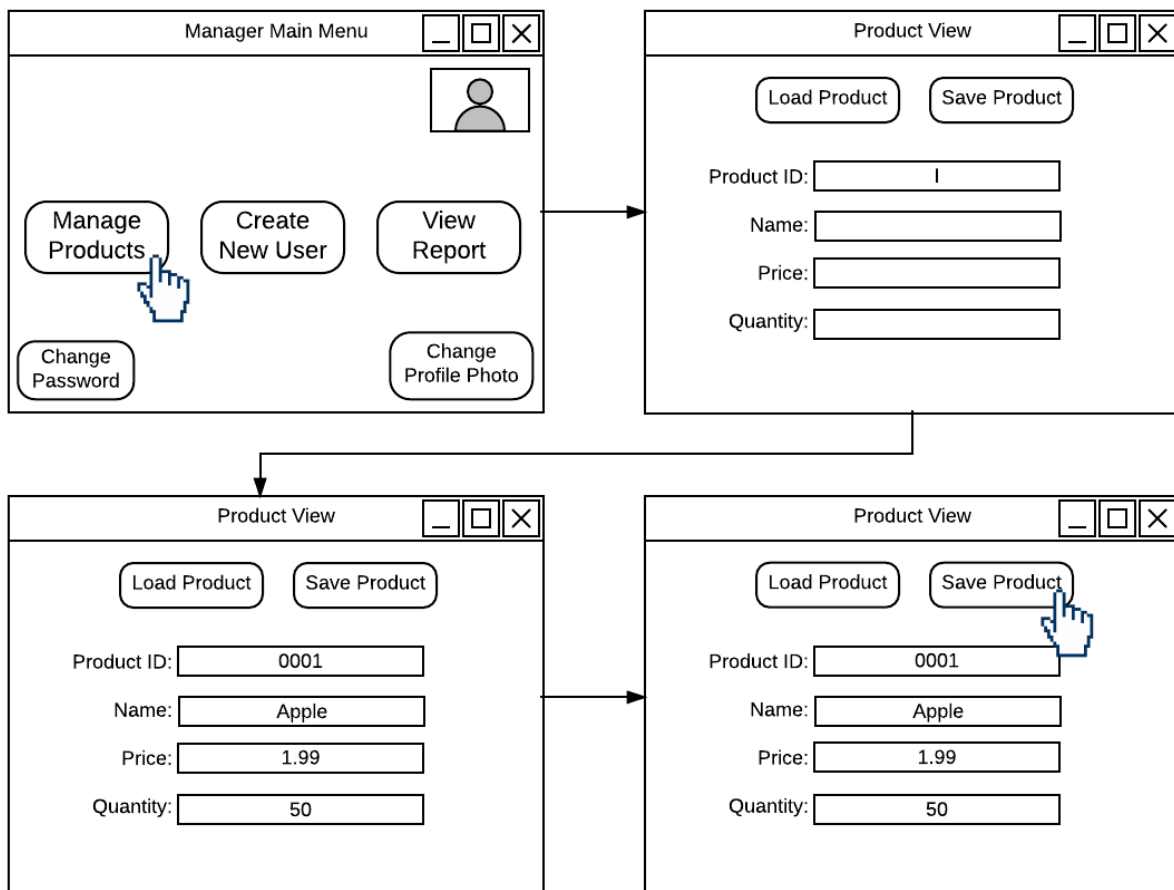
Summary: The manager adds a new product by filling in all the necessary product details on the "Product View" screen. New product will be added and available for view when the manager submits this information into the system.

Related Use Cases: Update product

Steps:

Actor action	System response
1. Select "Manage Products" on the main menu	2. Display "Product View" screen with "Load Product" and "Save Product" buttons, as well as fields for product ID, name, price, and quantity
3. Fill in product information in every field and select "Save Product"	4. Insert the new product information into the database

Post-conditions: Product has been successfully added to the database.



6. As a manager, I want to update a current product in the system's database.

Name: Update product

Actors: Manager

Goals: Successfully update a product's information in the system.

Pre-conditions: Product already exists in the system and the manager is currently at the main menu.

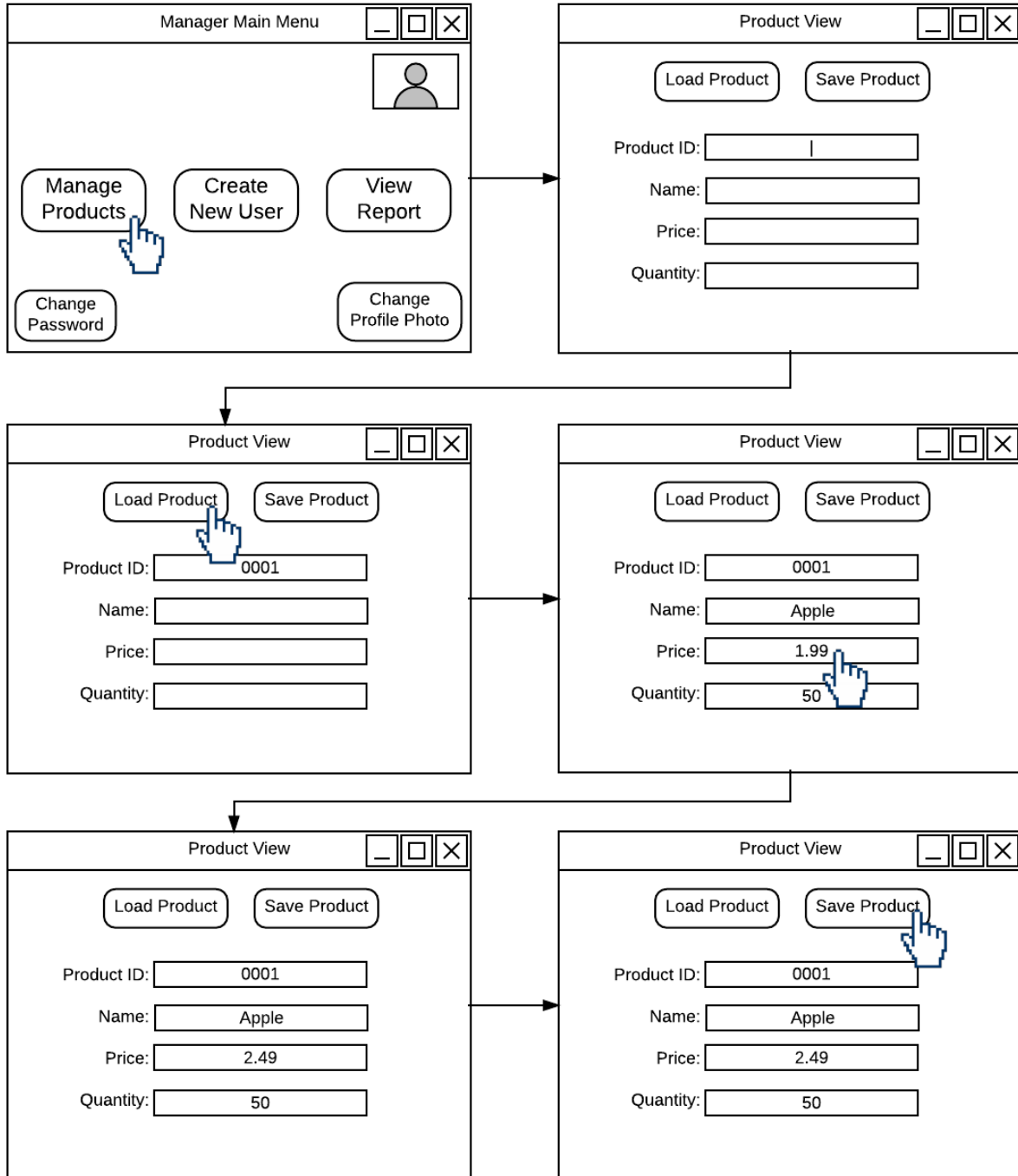
Summary: The manager updates an already existing product by updating any product details on the "Product View" screen that they wish. The product will be updated and available for view when the user submits this information into the system.

Related Use Cases: Add new product

Steps:

Actor action	System response
1. Select "Manage Products" on the main menu	2. Display "Product View" screen with "Load Product" and "Save Product" buttons, as well as fields for product ID, name, price, and quantity
3. Input product ID of an already existing product and select "Load Product"	4. Display information in every field of the product corresponding to the product ID that was input
5. Edit any field (excluding product ID) and select "Save Product"	6. Insert the product's updated information into the database, overwriting the old information

Post-conditions: Product's information has been successfully updated and written to the database.



7. As a manager, I want to create a new user, assign a role, and generate the user's default password.

Name: Create User

Actors: Manager

Goals: Successfully add a new user to the system, complete with a role and default password.

Pre-conditions: The user does not already exist in the system and the manager is currently at the main menu.

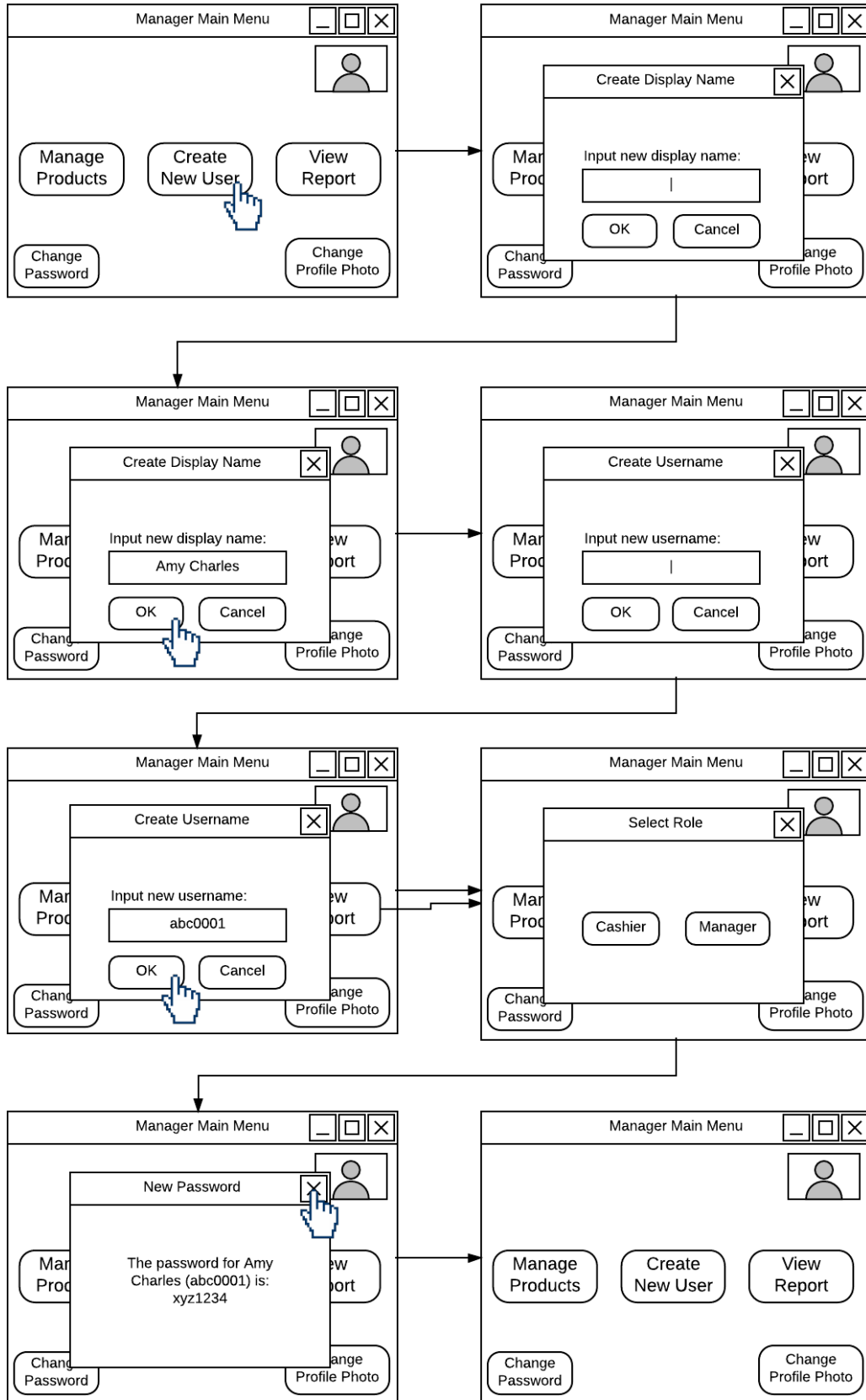
Summary: The manager creates a new user, chooses their role (either cashier or manager), and is shown the auto-generated default password for the new user. The user must use this default password the first time they log in, but can change the password later.

Related Use Cases: Login

Steps:

Actor action	System response
1. Select "Create User" on the main menu	2. Display "Create Display Name" window prompting the manager to input the user's display name
3. Input a display name and click OK	1. Display "Create Username" window prompting the manager to input the user's username
3. Input a username and click OK	4. Display "Select Role" window with "Cashier" and "Manager" buttons
5. Select either "Cashier" or "Manager"	6. Display "Password" window that shows the auto-generated password for the new user

Post-conditions: The new user has been added to the system and can now log in from the login screen.



8. As a manager, I want to view and sort a business report.

Name: View Report

Actors: Manager

Goals: Successfully view and sort a business report complete with miscellaneous product and order information.

Pre-conditions: The manager is currently at the main menu.

Summary: The manager views a business report complete with information about the store's sales. The manager is able to sort by multiple categories, each with its own button.

Related Use Cases: Checkout

Steps:

Actor action	System response
1. Select "View Report" from main menu	2. Display "Business Report" window with miscellaneous information regarding products and orders
3. Select one of the "Sort by..." buttons	4. Display the same information in a different sorted order according to the user's selection
5. Repeat step 3 (as desired)	6. Repeat step 4

Post-conditions: The business report has been viewed by the manager. No system modifications have been made.

