**Use Case Testing**

The following user stories are to be supported in Iteration 2:

1. As a user (cashier or manager), I want to log in the system  
2. As a user, I want to change my login password  
3. As a user, I want to change my display/profile photo  
4. As a cashier, I want to check out an order  
5. As a manager, I want to add a new product into the system's database  
6. As a manager, I want to update a current product in the system's database  
7. As a manager, I want to create a new user, assign role (e.g. manager or cashier), generate a default password for a new user

The Following document describes the testing process used for each use case.

Use Case 1: Logging in

Description: As a User (Manager or Cashier), I want to log in to the system.

Actors: Manager, Cashier

|  |  |
| --- | --- |
| Step 1: When the System is booted / loaded, a login screen is displayed with a Username and Password field, along with a clickable button to log in to the system. The Password field is obfuscated – i.e. is not shown in plaintext.  (Default Manager is Admin, password is Password) |  |
| Step 2: When a username and password are entered, the system checks them against valid usernames and passwords stored in the backend. If the credentials match a single entry, they are logged in with the appropriate role.  The Manager’s ‘Main Screen’ view is displayed to the right, Cashier’s view only contains the ‘Checkout’, ‘Sign Out’, and ‘Manage Accounts’ buttons. |  |

Use Case 2: Password Change

Description: As a User (Manager or Cashier), I want to add a new product into the system’s database

Actors: Manager, Cashier

|  |  |
| --- | --- |
| Step 1: A User should enter their Username and Password to login to the account on which the password is to be changed. |  |
| Step 2: Upon successful login, the User clicks ‘Edit Profile’ |  |
| Step 3-1: A Cashier sees a screen with only a field for managing their own account’s password. |  |
| Step 3-2: A Manager sees a screen with a list of all accounts, with the ability to manage them. The manager does not see any passwords. Only a field for them to enter a new password for themselves.  A manager may not remove themselves. |  |
| Step 5: The User then Confirms their changes. A password field left blank is an unchanged password. |  |
| Step 6: The User is returned to the main screen when all edited accounts have been updated in the system. |  |

Use Case 3: New Photo

Description: As a User, I want to change my display/profile photo.

Actors: Manager, Cashier

|  |  |
| --- | --- |
| Step 1: A User should enter their Username and Password to login to the account on which the photo is to be changed. |  |
| Step 2: Upon successful login, the User clicks ‘Manage Accounts’ |  |
| Step 4-1: A User now presses ‘New Photo’ on this screen. |  |
| Step 5: Since this program is running as an application, then we simply browse for an image file. A and filetype limit is imposed on the file selected. JPG is the only filetype allowed (but the implementation probably works for others, untested.) |  |
| Step 6: The image is processed and resized to appropriate dimensions to be displayed as a profile photo, each entry linked to a User. |  |

Use Case 4: Checkout

Description: As a Cashier, I want to check out a customer’s order.

Actors: Cashier

|  |  |
| --- | --- |
| Step 1: A Cashier should enter their Username and Password to login to their account. |  |
| Step 2: The System then displays the main screen. |  |
| Step 3: The Cashier will press ‘Checkout’, taking the user to a separate, checkout screen. |  |

|  |  |
| --- | --- |
| Step 4: A manual barcode entry has been added and replaces the scanner. This allows the Cashier to, by hand, input an item whose barcode is un-readable or missing (following a product lookup). |  |
| Step 5: For each item in the order, Step 4 is repeated. |  |
| Step 6: Once the Cashier has scanned / input every item in the order, the Cashier presses ‘Done’. |  |

Use Case 5: Add new product to system database

Description: As a manager, I want to add a new product into the system’s database

Actors: Manager

|  |  |
| --- | --- |
| Step 1: Login in as Manager |  |
| Step 2: Display the Manager Main Screen |  |
| Step 3: User presses ‘Add Product’ |  |
| Step 4: A new display appears with text fields for all configurable fields of an item – ID is automatically filled in to avoid conflicts, Price and Name are the only mandatory fields |  |
| Step 5: User enters all relevant information on the new product |  |
| Step 6: User presses ‘Done’ |  |
| Step 7: The new item is added to the system, returning the user to the main screen with a success message |  |

Use Case 6: Update current product in system database

Description: As a manager, I want to update a current product in the system’s database

Actors: Manager

|  |  |
| --- | --- |
| Step 1: Sign in as a manager |  |
| Step 2: Display the Manager Main Screen |  |
| Step 3: User presses ‘Update Existing Product’ |  |
| Step 4: A Table is shown, listing all products and fields, anything may be edited |  |
| Step 5: User updates information that needs to be changed for product |  |
| Step 6: User presses ‘Confirm Changes’ to save information |  |
| Step 7: The product is updated within the system. The user is then sent to main menu with a message saying product update was successful. |  |

Use Case 7: Create new user with default password

Description: As a manager, I want to create a new user, assign role (e.g. manager or cashier), generate a default password for a new user

Actors: Manager

|  |  |
| --- | --- |
| Step 1: Sign in as a manager |  |
| Step 2: Display the Manager Main Screen |  |
| Step 3: User presses “Edit Profile” |  |
| Step 4: The Manager is presented with a screen with a list of all users in the system. He may hightlight one or multiple and create, delete, or promote them.  He may not delete himself |  |
| Step 5: Pressing Create User creates a new User, generating a default password of ‘password’ with the username corresponding to the number of users previously created. |  |
| Step 6: The user may then be promoted to Manager Status, or Deleted Again |  |
| Step 7: The new user is added to the system, returning the user to the main screen. |  |