OMP 3700-001 Course Project - Iteration 2 - Use-Case Analysis

1. As a user (cashier or manager), I want to log in the system

**Title**: Logging in

**Actors**: Manager/Cashier

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| --- | --- |
| Actor Action | System Response |
| 1. Open Application | 2. Load main screen  3. Display login interface |
| 3. Input username  4. Input password  5. Click login button OR press [ENTER] | 6. Run login information through login database  7a. IF LOGIN CORRECT: (Continue to 8)  7b. IF LOGIN INCORRECT: Display dialogue screen with message (e.g. "Username/ Password was incorrect") & return to login screen (3)  8. Hide Login Screen and display Manager Employee Screen version if login is identified as a manager and the Cashier Employee Screen version is login is identified as a cashier |

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

**Title**: Changing login password

**Actor**: Manager/Cashier

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| Actor Action | System Response |
|  | 1. Employee Screen is displayed |
| 2. Click "Edit Profile" button | 3. Display Profile Screen |
| 4. Click "Change Password" | 5. Display Password Confirmation Screen |
| 6. Inputs old password | 7. Runs input through login database  8a. IF LOGIN CORRECT: (Continues to 9)  8b. IF LOGIN INCORRECT: Display dialogue screen with message (e.g. "Password was incorrect") & return to Profile Screen (3)  9. Display Password Change Screen |
| 10. Input new desired password and password confirmation | 11. Check if inputted new password matches the password confirmation.  12a. IF CHECK SUCCESSFUL: (Continue to 13)  12b. IF CHECK FAILS: Display dialogue screen with message (e.g. "Confirmation does not match password") & return to Password Change Screen (9)  13. Update user information in database with new, desired password  14. Display dialogue screen with message (e.g. "Password change successful") |
| 15. Click "OK" | 16. Return to Profile Screen (3) |

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

**Title**: Changing display/profile photo

**Actor:** Manager/Cashier

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| Actor Action | System Response |
|  | 1. Employee Screen is displayed |
| 2. Click "Edit Profile" button | 3. Display Profile Screen |
| 4. Click "Change Photo" | 5. Display Photo Upload Screen |
| 6. Input desired photo file | 7. Check if inputted file is a valid photo file  8a. IF FILE IS VALID: (Continue to 9)  8b. IF FILE ISN'T VALID: Display dialogue screen with message (e.g. "File is not valid") & return to Photo Upload Screen (5)  9. Update user information in database with the new photo  10. Display dialogue screen with message (e.g. "Profile photo change successful") |
| 15. Click "OK" | 16. Return to Profile Screen (3) |

4. As a cashier, I want to check out an order

**Title**: Checking out an order

**Actor:** Cashier

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| Actor Action | System Response |
| 1. Cashier logs in | 2. Cashier version of Employee Screen is displayed |
| 3. Clicks "Checkout" button | 4. Displays blank Checkout Screen |
| 5. Inputs products and the quantities desire to add to order | 6. Display product information, calculating cost based on the quantities & the current total cost. |
| 7. Repeat (5-6) until satisfied, clicks "Checkout" button | 8. Checks database if inputted products and quantities are valid.  9a. IF NO DATABASE ERROR: (Continue to 10)  9b. IF DATABASE ERROR (e.g. negative products in stock): Display error message and return to previous Checkout Screen (5-7)  10. Updates database with new product quantities  11. Prints order receipt  12. Returns to blank Checkout Screen (4) |

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

**Title**: Adding a product to the system database

**Actor**: Manager

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| Actor Action | System Response |
| 1. Manager Logs in | 2. Manager version of Employee Screen is Displayed |
| 3. Clicks "View Database" button | 4. Displays Database Screen |
| 5. Clicks "Add Product" button | 6. Displays Add Product Window |
| 6. Inputs desired product information  7. Clicks "Add" button | 8. Verifies inputted information is valid for a product  9a. IF PRODUCT IS VALID: (Continues to 10)  9b. IF PRODUCT ISN'T VALID: Display error message (e.g. "[Element] is not valid") and return to previous Add Product Window (6)  10. Updates database with new product information  11. Returns to Database Screen (4) |

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

**Title**: Update a (current) product in the system database

**Actor**: Manager

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| Actor Action | System Response |
| 1. Manager logs in | 2. Manager Employee Screen is displayed |
| 3. Clicks "View Database" button | 4. Displays Database Screen |
| 5. Clicks "Update Product" button | 6. Displays Update Product Window |
| 6. Selects desired product information to update  7. Clicks "Update" button | 8. Verifies inputted information is valid for a product  9a. IF PRODUCT IS VALID: (Continues to 10)  9b. IF PRODUCT ISN'T VALID: Display error message (e.g. "[Element] is not valid") and return to previous Update Product Window (6)  10. Updates database with new product information  11. Returns to Database Screen (4) |

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

**Title**: Create a new user

**Actor**: Manager

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| Actor Action | System Response |
| 1. Manager Logs in | 2. Manager Employee Screen is displayed |
| 3. Clicks "Create new user" button | 4. Displayers New User Screen |
| 5. Inputs new user information (username, name, role, etc.) | 6. Verifies inputted information is valid for an employee  7a. IF INFORMATION IS VALID: (Continues to 8)  7b. IF INFORMATION ISN'T VALID: Display error message (e.g. "[Element] is not valid") and return to previous New User Window (5)  8. Display a confirmation screen |
| 9. Click "Confirm" button | 10. Updates database with new employee information, set new user password to a default (e.g. 'Password123') and assign a default profile photo  11. Returns to Manager Employee Screen (2) |

8. As a manager, I want to view and sort the business report: e.g., what products are sold, how many units, how much revenue...

**Title**: View the business report

**Actor**: Manager

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| Actor Action | System Response |
| 1. Manager logs in | 2. Manager Employee Screen is displayed |
| 3. Clicks "Business Report" button | 4. Analyzes database, pulls desired information and displays it to a table on a Report Screen |
| 5. May select a sort option | 6a. IF SORT OPTION SELECTED: rearranges displayed information depending on the category shown. |
| 7. Clicks "Close report" button | 8. Returns to Manager Employee Screen (2) |