

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

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

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

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

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

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

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

Actor Action	System Response
1. Manager Logs in	2. Manager Employee Screen is displayed
3. Clicks "Create new user" button	4. Displays 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

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)

Use Case 1

Enter Username

Enter Password

Login!

Username or Password Incorrect

Ok

Store Management System

Checkout

Edit Profile

Store Management System (Manager)

Add/Edit User

Manage Database

Edit Profile

Use Case 2

Store Management System

Checkout

Edit Profile

Edit Profile

Change Profile Picture

Change Password

Change Username

Old Password

Re-Enter Old Password

New Password

Change

Invalid Password

Ok

New Password Does Not Meet Requirements

Ok

Password Changed Successfully

Ok

Use Case 3

Store Management System

Checkout

Edit Profile

Edit Profile

Change Profile Picture

Change Password

Change Username

Browse Files

Selected: profile.jpg

Change

Invalid File

Ok

Profile Photo Changed Successfully

Ok

Use Case 4

Store Management System

Checkout

Edit Profile

No Items Scanned

Subtotal: \$0.00

Tax: \$0.00

Total: \$0.00

Finish/Pay

Apples: \$1.00

Qt. 3

Pears: \$2.00

Qt. 4

Subtotal: 11.00

Tax: \$1.00

Total: \$12.00

Finish/Pay

Not Enough Items In Inventory

Ok

Use Case 5

Store Management System (Manager)

Add/Edit User

Manage Database

Edit Profile

Store Management System (Manager)

Update Product

Add Product

Business Report

NAME: _____

ID: _____

PRICE: _____

PROVIDER: _____

QUANTITY: _____

UNITS: _____

INFO: _____

Save

Invalid Entry

Ok

Item Added

Ok

Use Case 6

Store Management System (Manager)

Add/Edit User

Manage Database

Edit Profile

Store Management System (Manager)

Update Product

Add Product

Business Report

Choose an item to update.

Bananas

Oranges

Fidget Spinners

NAME: BANANA

ID: 10001

PRICE: \$2.00

PROVIDER: Tree

QUANTITY: 500

UNITS: per Item

INFO: Healthy

Save

Invalid Entry

Ok

Item Updated

Ok

Use Case 7

Store Management System (Manager)

Add/Edit User

Manage Database

Edit Profile

Username

Password

Name

Role

Add User

Invalid Entry

Ok

New User Created

Ok

Use Case 8

Store Management System (Manager)

Add/Edit User

Manage Database

Edit Profile

Store Management System (Manager)

Update Product

Add Product

Business Report

ORDERS: 432

TOTAL \$: \$10,654

INVENTORY VALUE: \$2,340

Taxes Owed: \$1,321

Salaries Payable: \$5,898

Sort OK