Use Case #1: Display Sales Report for Given Day

Summary: Manager views specific sales report for any given day

Actor: Manager

Precondition: Manager has opened the main page of the application, which displays the login window.

Description:

- Program prompts the manager to enter their login information

- If the manager enters the right information, they are taken to the main screen

- Program prompts manager to choose display report or view member info

- If manager chooses to display report, program prompts the manager to choose a day to display report

- Manager chooses day they want to see the report from

- The program prompts the manager to choose which type of report they would like to see (item report, customer report, or overall report)

- If the manager chooses overall report, the report is displayed.

- Manager is prompted to either print report, or choose a member/item to see details of their personal report

- If the manager chooses to print the report, an overall report for the day is printed

  - Includes list of items sold with quantities of each item sold, list of members who shopped with what kind of member they are, and the overall total revenue for the day.

Alternatives:

- If the manager enters the wrong information on the login screen, an exception will be thrown telling them the username and/or password for the login was incorrect

- If the manager chooses to view member info, they will be taken to a page where they can choose to see all the information about the members, including how many of each

type of member there are, membership numbers and names, when each person's membership expires, etc.

- If the manager chooses to view the item report, it will display a screen that shows the name of each item, the quantity of each item sold, and the revenue (without tax) each item produced.

- If the manager selects customer report, see use case 2.

Post Condition:

- Manager has printed the sales report of the day and is able to view the details of the sales that happened at their store throughout the day.

Use Case #2: Search for Member

Summary: Manager is able to search for a specific member using member id or name

Actor: Manager

Precondition: Manager has opened the main page of the application, which displays the login window.

Description:

- Program prompts the manager to enter their login information

- If the manager enters the right information, they are taken to the main screen

- Program prompts manager to choose display report or view member info

- If manager chooses to display report, program prompts the manager to choose a day to display report

- Manager chooses day they want to see the report from

- The program prompts the manager to choose which type of report they would like to see (item report, customer report, or overall report)

- If the manager chooses customer report, the system will prompt the manager to either view an overall customer report or search for a specific customer

- If the manager chooses to search for a specific customer, the system should give the option for the manager to either search for the name of a customer or their member id.

- If the manager chooses to search using the member id, a new window will pop up prompting the manager to enter the id they wish to search for

- Manager enters id they wish to search for

- If the id exists, the system will display a window with the customer name, member id, what kind of member they are, the purchases they made that day, and the total cost (including tax) for all of those purchases.

Alternatives:

- If the manager enters the wrong information on the login screen, an exception will be thrown telling them the username and/or password for the login was incorrect
- If the manager chooses to view member info, they will be taken to a page where they can choose to see all the information about the members, including how many of each type of member there are, membership numbers and names, when each person's membership expires, etc.
- If the manager chooses to view the item report, it will display a screen that shows the name of each item, the quantity of each item sold, and the revenue (without tax) each item produced.
- If the manager selects overall report, see use case 1.
- If the manager chooses to view the overall customer report, a report should be printed showing each customer, their member id, what kind of member they are, and each purchase they made throughout the day.
- If the manager chooses to search by name, a new window will pop up prompting the manager to enter the name they wish to search for
- If the name or id the manager enters does not exist in the database, an exception will be thrown telling the manager that the id/name could not be found

Post Condition:

- Manager has accessed a window where they can see the purchases and information of a specific customer.

Use Case #3: Update Information

Summary: Admin adds and/or removes members or items from the database

Actor: Admin

Precondition: Admin has opened the main page of the application, which displays the login screen

Description:

- Program prompts the admin to enter their login information
- If the admin enters the right information, they are taken to the admin window
- System prompts admin to choose to either edit members or item(s) in the database
- If the admin decides to edit item(s) in the database, the system will open the editItem window.
- The system will prompt the admin to choose to add, delete, or edit item(s),
- If the admin chooses to add item(s), the system should prompt the admin to enter an item name and price
- The admin enters the item name and price, and then presses enter
- The system will upload this information to the database and add it as a new item
- The system will prompt the admin to choose to edit more items or if they are finished editing.
- If the admin chooses to be done editing, they will be taken back to the main page.

Alternatives:

- If the username and/or password the admin entered is invalid, the system will display a message saying that the info entered is incorrect, and return to the main screen.
- If the admin chooses to edit member(s), they will be taken to the editMember screen, where they can either add, remove, or edit member information.
- If the admin chooses to remove item(s), they should be able to choose an item, and the system will remove it from the database.

- If the admin chooses to edit item(s), they should be able to edit the name or price of the item of their choice.

- If the admin terminates the program before submitting his update, the update should not be saved.

Post Condition:

- Admin has updated the item(s) in the database