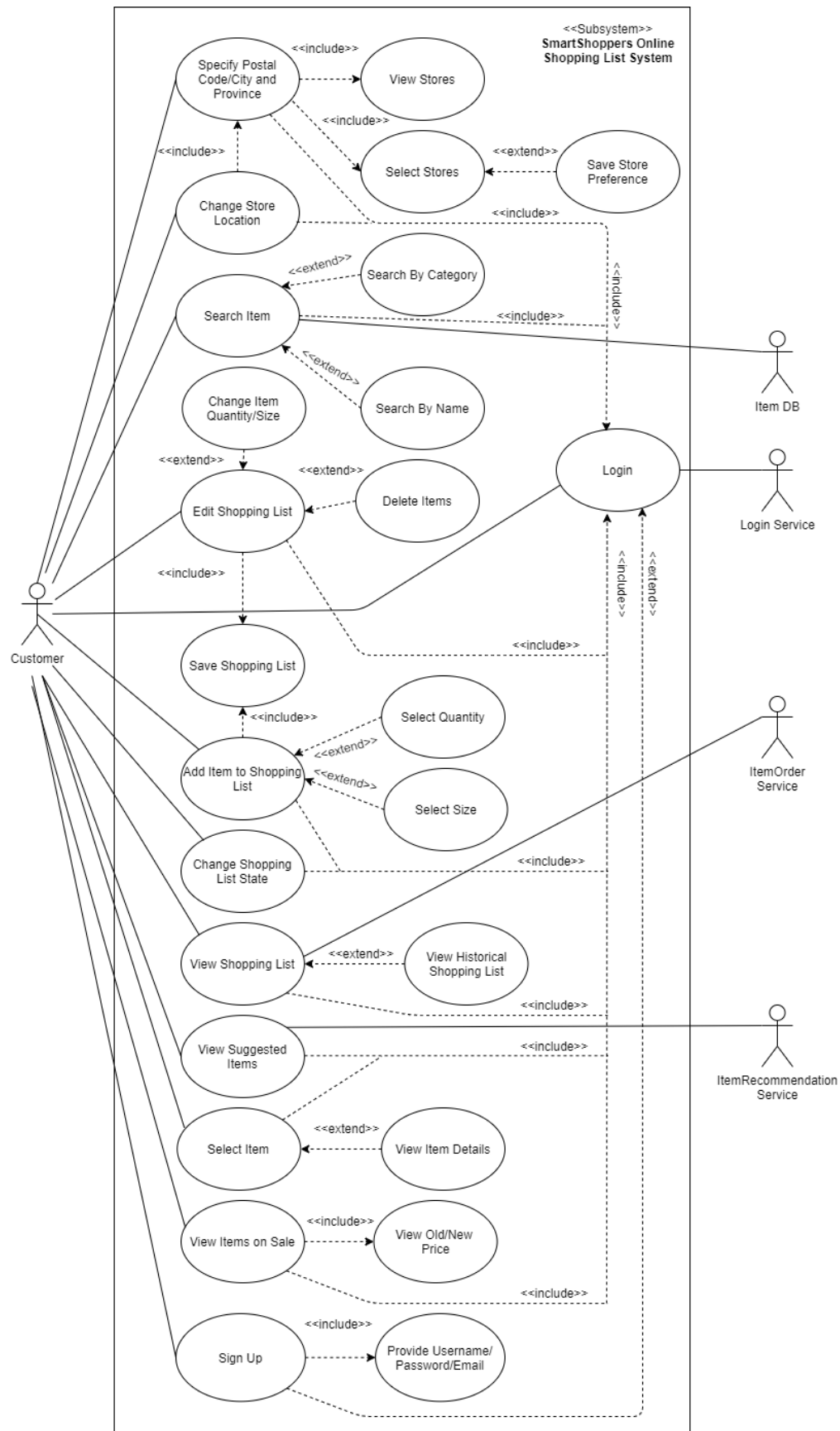# Use Cases: SmartShoppers Online System
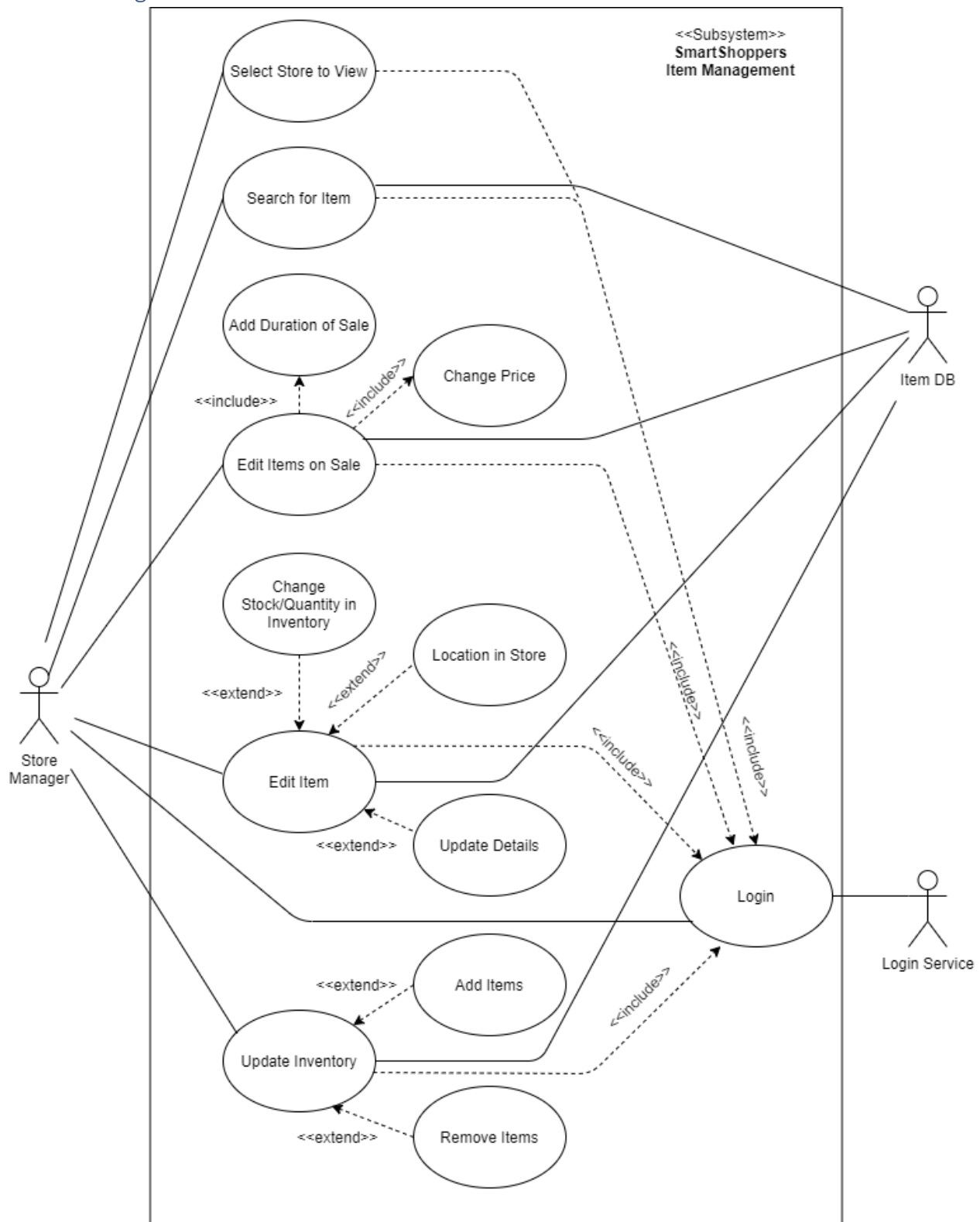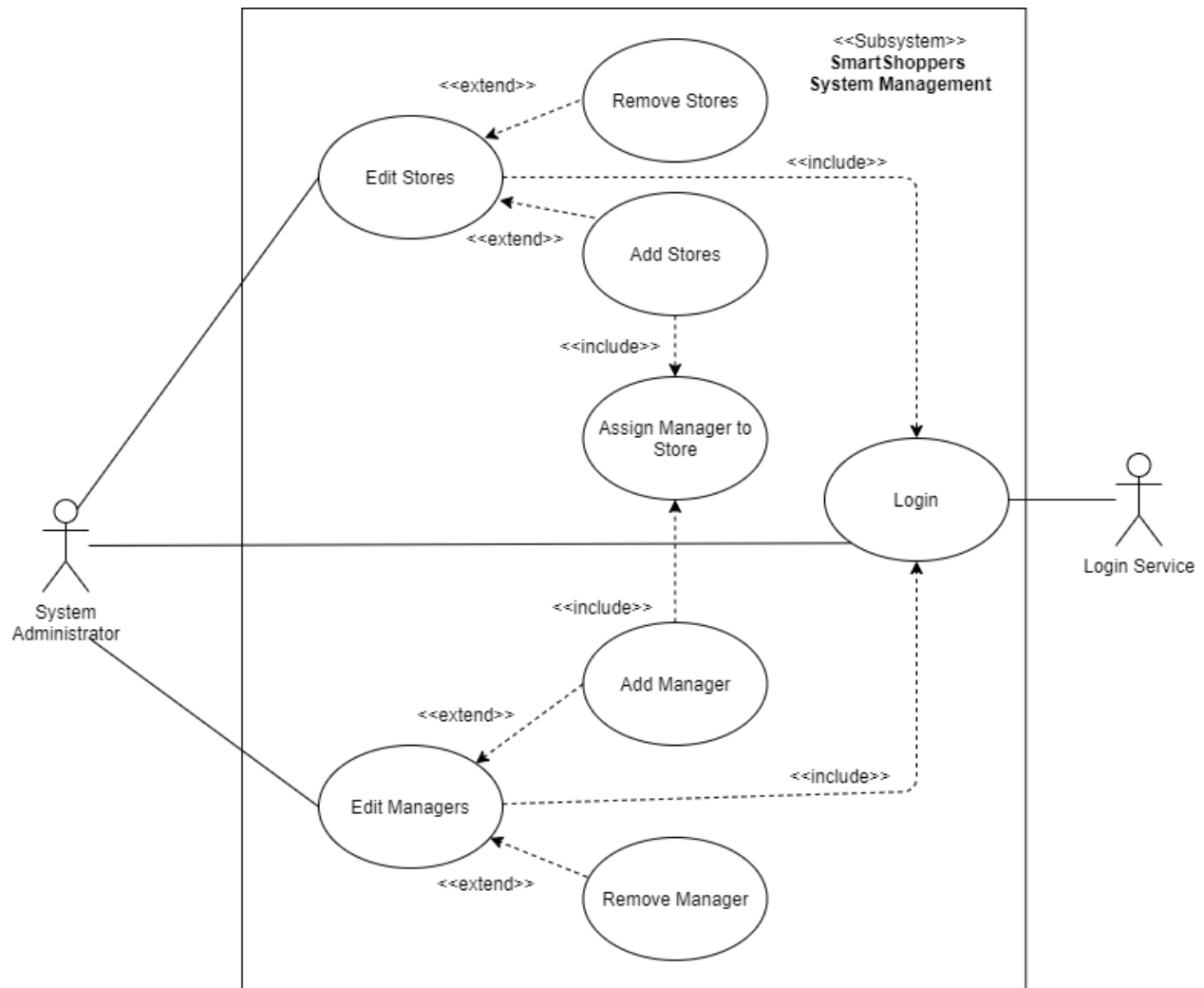
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Customer Use Cases

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Use Cases for Customer

UC1: Specify Postal Code/City and Province

Specify Postal Code/City and Province

Use Case UC1: **Specify Postal Code/City and Province**

Primary Actor: **Customer**

Stakeholders and Interests:

- **Customer: Wants to narrow down and select the store to view items at.**

Preconditions: **Customer is logged into website.**

Success Guarantee (Postconditions):

- **A list of stores that are within the area of the specified postal code/city and province.**

Main Success Scenario (or basic flow):

1. **Customer accesses SmartShoppers online system.**
2. **Customer signs up for the online system.**
3. **Once logged in, the customer is asked for their postal code/city and province.**
4. **Once location is specified, store locations nearby will be displayed.**
5. **The customer will then select a store to view items at.**
6. **The customer can save the picked store location as their location for future use.**

Extensions (or alternative flows):

> **2a. Customer logs in and if the customer has not saved their location previously, they will be asked to complete the main flow again.**
>
> **3a. If the customer saved location preference in the past, they will not be asked to save location preference again.**

Special Requirements: **Website UI**

Technology and Data Variations List:

- **Customer accessing website through mobile or desktop device.**

Open Issues: **None.**

UC2: Change Store Location

Change Store Location

Use Case UC2: **Change Store Location**

Primary Actor: **Customer**

Stakeholders and Interests:

- **Customer: Wants to change their saved store location to a different location.**

Preconditions:

- **Customer is logged in to the online system.**
- **Customer has a store location already linked to their account.**

Success Guarantee (Postconditions):

- **Customer saved a store location as their preferred location for future logins.**

Main Success Scenario (or basic flow):

1. **Customer accesses SmartShoppers online system.**
2. **Customer logs in to the online system with a store location already saved.**
3. **Customer specifies their postal code/city and province.**
4. **A list of stores that are within that area are displayed for the customer.**
5. **The customer selects a different store to save as preferred location.**

Extensions (or alternative flows):

None.
Special Requirements: Website UI
Technology and Data Variations List:
- **Customer accessing website through mobile or desktop device.**
Open Issues: None.

UC3: Search Item

Search Item

Use Case UC3: Search Item
Primary Actor: Customer
Stakeholders and Interests:
- **Customer: Wants to search for a specific item within the store database.**
Preconditions: Customer is logged into website.
Success Guarantee (Postconditions):
- **The item that the customer searched for.**
- **A list of items from the category the customer searched for.**
Main Success Scenario (or basic flow):
1. **Customer accesses SmartShoppers online system.**
2. **Customer searches for item with item name.**
3. **Customer has the item returned to them.**
Extensions (or alternative flows):
> 2a. Customer searches for item with category name.
> 3a. Customer is then returned a list of items that are in that category.
> 3b. Customer inputs an invalid item/category name and is returned an error.
Special Requirements: Website UI
Technology and Data Variations List:
- **Customer accessing website through mobile or desktop device.**
Open Issues: None.

UC4: Edit Shopping List

Edit Shopping List

Use Case UC4: Edit Shopping List
Primary Actor: Customer
Stakeholders and Interests:
- **Customer: Wants to edit their shopping list by either editing the item quantity, delete certain items from the list, or emptying the list by resetting their list.**
Preconditions:
- **Customer is logged into website.**
- **Customer has items added into their shopping list.**
Success Guarantee (Postconditions):
- **Customer has edited the quantity of an item in their shopping list.**
- **Customer has deleted an item from their shopping list.**
Main Success Scenario (or basic flow):
1. **Customer accesses SmartShoppers online system.**
2. **Customer adds an item to their shopping list.**

3. **Customer edits their shopping list by changing the quantity of that item from some amount x to some amount y.**
4. **Customer's shopping list now has a new list and subtotal.**

Extensions (or alternative flows):
> **2a. Customer has a saved list from a previous session.**
> **3a. Customer edits their shopping list by removing an item from their list.**
> **3b. Customer edits their shopping list by resetting their shopping list to an empty list.**

Special Requirements: Website UI

Technology and Data Variations List:
- **Customer accessing website through mobile or desktop device.**

Open Issues: None.

UC5: Add Item to Shopping List

Add Item to Shopping List

Use Case UC5: Add Item to Shopping List

Primary Actor: Customer

Stakeholders and Interests:
- **Customer: Wants to add an item to their shopping list.**

Preconditions: Customer is logged into website.

Success Guarantee (Postconditions):
- **The item chosen by the customer is added to their shopping list.**

Main Success Scenario (or basic flow):
1. **Customer accesses SmartShoppers online system.**
2. **Customer searches for an item by name or category.**
3. **Customer selects item that they want.**
4. **Customer adds item to their shopping list.**
5. **The shopping list is updated to now include the item the customer added.**

Extensions (or alternative flows):
> **None.**

Special Requirements: Website UI

Technology and Data Variations List:
- **Customer accessing website through mobile or desktop device.**

Open Issues: None.

UC6: Change Shopping List State

Change Shopping List State

Use Case UC6: Change Shopping List State

Primary Actor: Customer

Stakeholders and Interests:
- **Customer: Wants to list their shopping list as complete or deleted to start a new shopping list.**

Preconditions:
- **Customer is logged into website.**
- **Customer has checked out and purchased the items in store.**

Success Guarantee (Postconditions):

- **The customer has a shopping list marked as complete or deleted that is stored in their history that cannot be edited.**

Main Success Scenario (or basic flow):
1. **Customer accesses SmartShoppers online system.**
2. **Customer has added all the items they wish to purchase from SmartShoppers.**
3. **Customer checks out all the items when in store.**
4. **Customer marks shopping list as complete.**
5. **Customer has 1 new list saved in their history.**

Extensions (or alternative flows):
   3a. **Customer deletes their list to start a new one.**
   3b. **The store location is removed by a system administrator and the list is now listed as cancelled.**

Special Requirements: Website UI

Technology and Data Variations List:
- **Customer accessing website through mobile or desktop device.**

Open Issues: None.

UC7: View Shopping List

View Shopping List

Use Case UC7: View Shopping List

Primary Actor: Customer

Stakeholders and Interests:
- **Customer: Wants to see their best ordered shopping list.**

Preconditions:
- **Customer is logged into website.**
- **Customer has items added to their shopping list.**

Success Guarantee (Postconditions):
- **The customer is returned a list consisting of the items in their shopping list in the order that is best to find the items at the store location they have specified.**

Main Success Scenario (or basic flow):
1. **Customer accesses SmartShoppers online system.**
2. **Customer has added all the items they wish to purchase from SmartShoppers.**
3. **Customer looks at their shopping list.**
4. **Customer is given a list of items that is in the best order at their preferred store.**

Extensions (or alternative flows):
   None.

Special Requirements: Website UI

Technology and Data Variations List:
- **Customer accessing website through mobile or desktop device.**

Open Issues: None.

UC8: View Suggested Items

View Suggested Items

Use Case UC8: **View Suggested Items**

Primary Actor: **Customer**

Stakeholders and Interests:
- **Customer: Wants to see a list of suggested items to purchase at that store location.**

Preconditions: **Customer is logged into website.**

Success Guarantee (Postconditions):
- **The customer is returned a list of items that the website suggests to them based on other order data from that store location.**

Main Success Scenario (or basic flow):
1. **Customer accesses SmartShoppers online system.**
2. **Customer wants to see a list of suggested items.**
3. **Customer is given a list of suggested items from the website based on the order history of the store.**

Extensions (or alternative flows):
> **None.**

Special Requirements: **Website UI**

Technology and Data Variations List:
- **Customer accessing website through mobile or desktop device.**

Open Issues: **None.**

UC9: Select Item

Select Item

Use Case UC9: **Select Item**

Primary Actor: **Customer**

Stakeholders and Interests:
- **Customer: Wants to select an item listed in the store to view the item in more detail.**

Preconditions: **Customer is logged into website.**

Success Guarantee (Postconditions):
- **Customer gets a new page with the selected item where all the information about the item can be found (i.e. price, description, sizes, photo, etc.)**

Main Success Scenario (or basic flow):
1. **Customer accesses SmartShoppers online system.**
2. **Customer searches up the item by name.**
3. **Customer finds the item and selects it.**
4. **A new page for the item is opened for the customer.**

Extensions (or alternative flows):
> **2a. Customer searches up the item by category.**

Special Requirements: **Website UI**

Technology and Data Variations List:
- **Customer accessing website through mobile or desktop device.**

Open Issues: **None.**

UC10: View Items on Sale

View Items on Sale

Use Case UC10: **View Items on Sale**

Primary Actor: **Customer**

Stakeholders and Interests:
- **Customer: Wants to view all the items that are on sale at the store location that is saved.**

Preconditions:
- **Customer is logged into website.**

Success Guarantee (Postconditions):
- **Customer gets a list of all the items that are on sale based on the store location that is saved for the user's account.**

Main Success Scenario (or basic flow):
1. **Customer accesses SmartShoppers online system.**
2. **Customer wants to see a list of sale items.**
3. **Customer is given a list of sale items and their previous price from the website based on the location saved in the user's account.**

Extensions (or alternative flows):
> **None.**

Special Requirements: **Website UI**

Technology and Data Variations List:
- **Customer accessing website through mobile or desktop device.**

Open Issues: **None.**

UC11: Sign Up

Sign Up

Use Case UC11: **Sign Up**

Primary Actor: **Customer**

Stakeholders and Interests:
- **Customer: Wants to sign up for the SmartShoppers online system.**

Preconditions:
- **Customer has not accessed the website prior.**

Success Guarantee (Postconditions):
- **Customer is given customer-level authentication in the form of a username and password.**

Main Success Scenario (or basic flow):
1. **Customer accesses SmartShoppers online system.**
2. **Customer does not have a login to the website and needs to sign up.**
3. **Customer inputs all the required information and is given a SmartShoppers account.**

Extensions (or alternative flows):
> **3a. Password strength does not meet adequate standards and is prompted for another one.**
> **3b. Customer does not provide a valid email address.**

Special Requirements: **Website UI**

Technology and Data Variations List:
- **Customer accessing website through mobile or desktop device.**

Open Issues: **None.**

UC12: Login

Login
Use Case UC12: Login
Primary Actor: Customer
Stakeholders and Interests:
• **Customer: Wants to login to the SmartShoppers online system.**
Preconditions:
• **Customer has signed up for the website prior.**
Success Guarantee (Postconditions):
• **Customer is given access to the website.**
Main Success Scenario (or basic flow):
1. **Customer accesses SmartShoppers online system.**
2. **Customer inputs the correct login information and can access the website.**
Extensions (or alternative flows):
2a. The login information is incorrect (does not match the information in the user data table) so the customer is given an error and prompted to retry.
Special Requirements: Website UI
Technology and Data Variations List:
• **Customer accessing website through mobile or desktop device.**
Open Issues: None.

Use Cases for Manager

UC1: Search for Item

Search for Item
Use Case UC1: Search Item
Primary Actor: Manager
Stakeholders and Interests:
• **Manager: Wants to search for a specific item within the store database.**
Preconditions:
• **Manager is logged into website through a company computer.**
• **Manager logs in successfully.**
Success Guarantee (Postconditions):
• **The item that the manager searched for.**
Main Success Scenario (or basic flow):
1. **Manager accesses SmartShoppers online system.**
2. **Manager searches for item with item name.**
3. **Manager has the item returned to them.**
Extensions (or alternative flows):
3a. Manager inputs an invalid item name and is returned an error.
Special Requirements: Website UI
Technology and Data Variations List:
• **Manager accessing website through a company desktop device.**
Open Issues: None.

UC2: Edit Items on Sale

Edit Items on Sale

Use Case UC2: **Edit Items on Sale**

Primary Actor: **Manager**

Stakeholders and Interests:

- **Manager: Wants to put an item in the store on sale.**

Preconditions:

- **Manager is logged into website through a company computer.**
- **Manager logs in successfully**.

Success Guarantee (Postconditions):

- **The item selected is put on sale for a specific amount of time.**

Main Success Scenario (or basic flow):

1. **Manager accesses SmartShoppers online system.**
2. **Manager searches for item with item name.**
3. **Manager selects the item they wish to put on sale.**
4. **Manager inputs new sale price and duration of the sale.**

Extensions (or alternative flows):

  2a. Manager inputs an invalid item name and is returned an error.

Special Requirements: Website UI

Technology and Data Variations List:

- **Manager accessing website through a company desktop device.**

Open Issues: None.

UC3: Edit Item

Edit Item

Use Case UC3: **Edit Item**

Primary Actor: Manager

Stakeholders and Interests:

- **Manager: Wants to edit an item within the store.**

Preconditions:

- **Manager is logged into website through a company computer.**
- **Manager logs in successfully.**

Success Guarantee (Postconditions):

- **The item that is edited has a parameter that is changed (i.e. description of item, quantity change, etc.) and is displayed for all users of the SmartShoppers online system.**

Main Success Scenario (or basic flow):

1. **Manager accesses SmartShoppers online system.**
2. **Manager searches for item with item name.**
3. **Manager selects the item they need to edit.**
4. **Manager inputs new information for the specific field they need to edit.**
5. **The new information is displayed for all users on the SmartShoppers online system.**

Extensions (or alternative flows):

  4a. Manager changes inventory quantity for the store they are assigned.

  4b. Manager changes the location of the item within the store.

  4c. Manager updates details of the item.

Special Requirements: Website UI

Technology and Data Variations List:
- **Manager accessing website through a company desktop device.**

Open Issues: None.

UC4: Update Inventory

Update Inventory

Use Case UC4: Update Inventory

Primary Actor: Manager

Stakeholders and Interests:
- **Manager: Wants to add/remove an item to/from the inventory of the assigned store.**

Preconditions:
- **Manager is logged into website through a company computer.**
- **Manager logs in successfully.**

Success Guarantee (Postconditions):
- **A new item is added to the assigned store's inventory.**
- **An item is removed from the assigned store's inventory.**

Main Success Scenario (or basic flow):
1. **Manager accesses SmartShoppers online system.**
2. **Manager adds a new item to the store's inventory with the corresponding information.**
3. **The new information is displayed for all users on the SmartShoppers online system.**

Extensions (or alternative flows):

    2a. Manager removes an item from the store's inventory.

    2b. Manager is missing information about the added product and is given an error.

    3a. The removed item no longer displays for any users on the SmartShoppers online system.

Special Requirements: Website UI

Technology and Data Variations List:
- **Manager accessing website through a company desktop device.**

Open Issues: None.

UC5: Login

Login

Use Case UC5: Login

Primary Actor: Manager

Stakeholders and Interests:
- **Manager: Wants to login to the SmartShoppers online system.**

Preconditions:
- **Manager has been given manager-level authentication by the system administrator.**

Success Guarantee (Postconditions):
- **Manager is given access to the website.**

Main Success Scenario (or basic flow):
1. **Manager accesses SmartShoppers online system.**
2. **Manager inputs the correct login information and can access the website.**

Extensions (or alternative flows):

    2a. The login information is incorrect (does not match the information in the manager data table) so the manager is given an error and prompted to retry.

Special Requirements: Website UI
Technology and Data Variations List:
- **Manager accessing website through a company desktop device.**
Open Issues: None.

UC6: Select Store to View

Select Store to View

Use Case UC6: Select Store to View
Primary Actor: Manager
Stakeholders and Interests:
- **Manager: Wants to select the store to continue into the SmartShoppers online system.**
Preconditions:
- **Manager has been given manager-level authentication by the system administrator.**
- **Manager logs in successfully**
Success Guarantee (Postconditions):
- **Manager is given access to the website.**
Main Success Scenario (or basic flow):
1. **Manager accesses SmartShoppers online system.**
2. **Manger selects the store that they want to access for any changes/searches.**
Extensions (or alternative flows):
  2a. **Manager selects the store from a list of multiple stores that they want to access for any changes/searches.**
Special Requirements: Website UI
Technology and Data Variations List:
- **Manager accessing website through a company desktop device.**
Open Issues: None.

Use Cases for System Administrator

UC1: Edit Stores

Edit Stores

Use Case UC1: Edit Stores
Primary Actor: System Administrator
Stakeholders and Interests:
- **System Administrator: Wants to add/remove a store from the list of stores associated with SmartShoppers Inc.**
Preconditions: System administrator is logged into website through a company computer.
Success Guarantee (Postconditions):
- **A new store is added to the SmartShoppers location database.**
- **A store is removed from the SmartShoppers location database.**
Main Success Scenario (or basic flow):
1. **System administrator accesses SmartShoppers online system.**
2. **System administrator adds a new store to the SmartShoppers location database with the corresponding information.**
3. **System administrator assigns a manager to the new store location.**

4.   The new information is displayed for all users on the SmartShoppers online system.

Extensions (or alternative flows):

2a. System administrator removes a store from the SmartShoppers location database.

2b. System administrator is missing information about the added store and is given an error.

3a. The manager assigned to the new store does not exist in the SmartShoppers manager database.

4a. The removed store no longer displays for any users on the SmartShoppers online system.

Special Requirements: Website UI

Technology and Data Variations List:

- System administrator accessing website through a company desktop device.

Open Issues: None.

UC2: Edit Managers

Edit Managers
Use Case UC2: Edit Managers
Primary Actor: System Administrator
Stakeholders and Interests:
• System Administrator: Wants to add/remove a manager from the list of managers associated with SmartShoppers Inc.
Preconditions: System administrator is logged into website through a company computer.
Success Guarantee (Postconditions):
• A new manager is added to the SmartShoppers manager database.
• A manager is removed from the SmartShoppers manager database.
Main Success Scenario (or basic flow):
1. System administrator accesses SmartShoppers online system.
2. System administrator adds a new manager to the SmartShoppers manager database with the corresponding information.
3. System administrator assigns the added manager to a new store location.
Extensions (or alternative flows):
2a. System administrator removes a manager from the SmartShoppers manager database.
2b. System administrator is missing information about the added manager and is given an error.
Special Requirements: Website UI
Technology and Data Variations List:
• System administrator accessing website through a company desktop device.
Open Issues: None.

UC3: Login

Login
Use Case UC3: Login
Primary Actor: System Administrator
Stakeholders and Interests:
• **System Administrator: Wants to login to the SmartShoppers online system.**
Preconditions:
• **System Administrator has system administrator-level authentication.**
Success Guarantee (Postconditions):
• **System administrator is given access to the website.**
Main Success Scenario (or basic flow):
1. **System administrator accesses SmartShoppers online system.**
2. **System administrator inputs the correct login information and can access the website.**
Extensions (or alternative flows):
2a. The login information is incorrect, so the system administrator is given an error and prompted to retry.
Special Requirements: Website UI
Technology and Data Variations List:
• **System administrator accessing website through a company desktop device.**
Open Issues: None.