

USE CASE DOCUMENT

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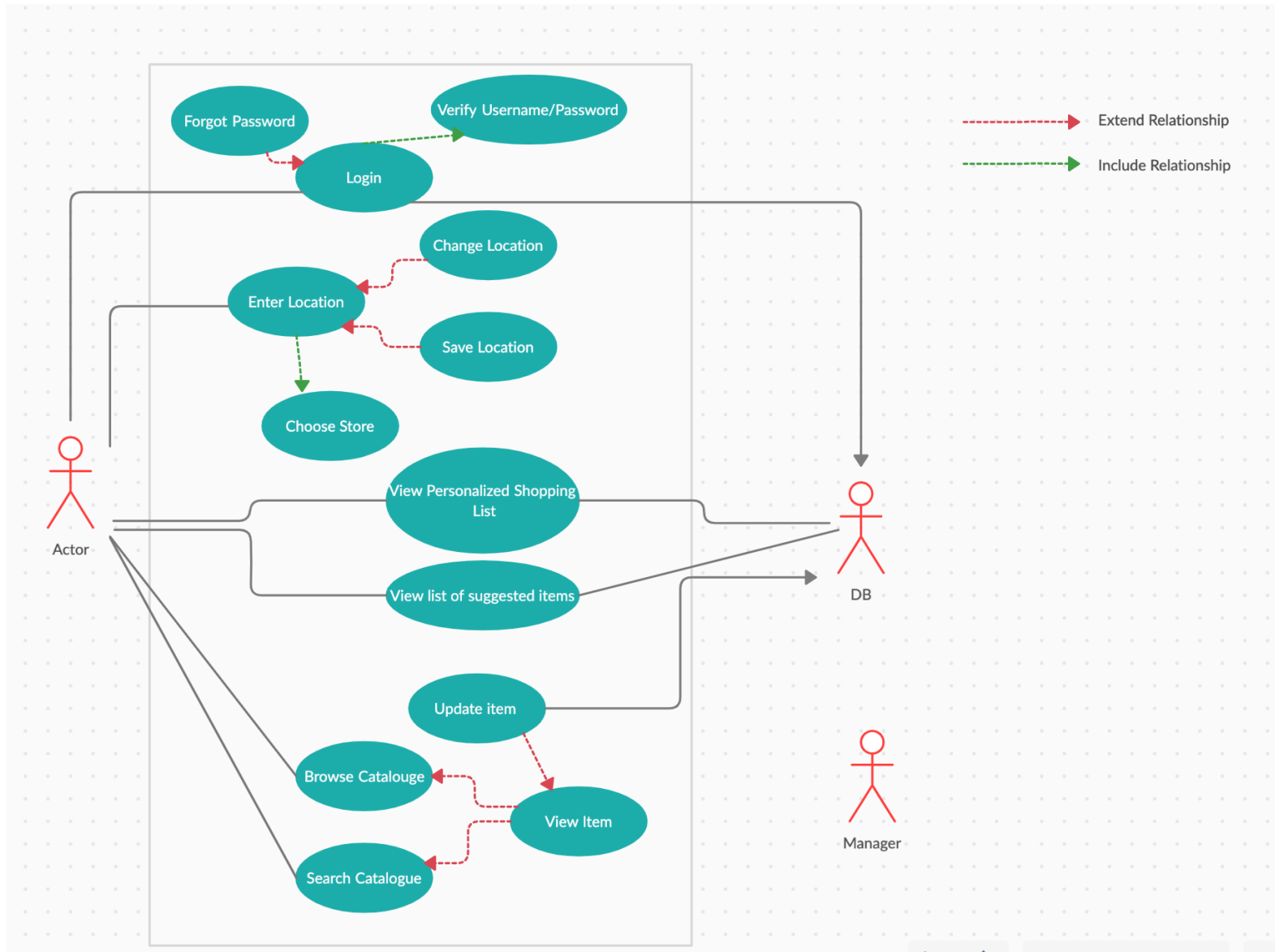
Actors:

Actors	Description
User	Person using the website for a better shopping experience
Manager	Person who is responsible for the system and system's database
System	A dummy actor who represents the system

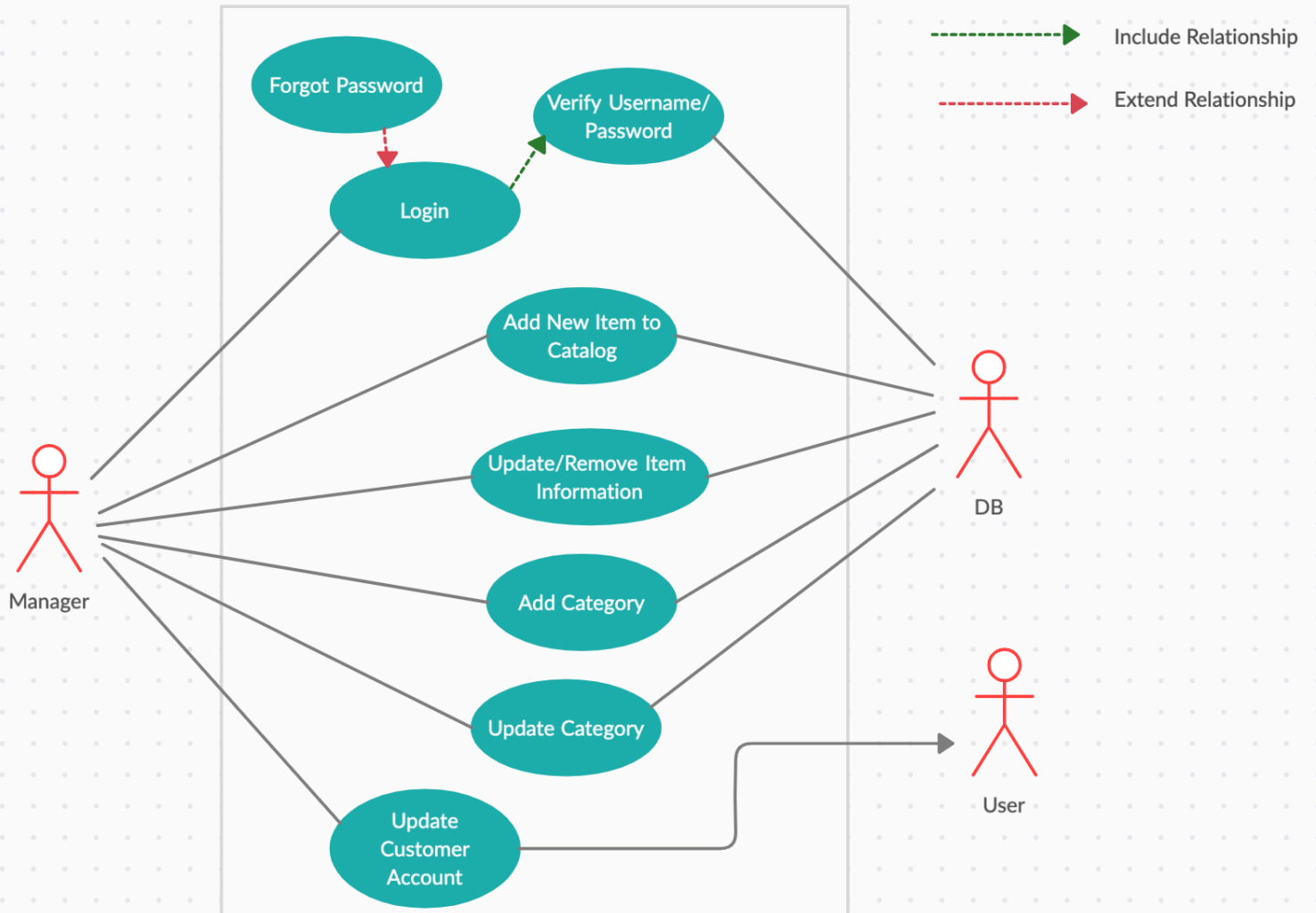
Use Case

Use Case	Description
UC1 : Enter Location	This use case describes how the user can enter their location
UC2 : Browse Catalogue	This use case describes how the user can browse the catalogue of the system
UC3 : View Item	This use case describes how the user can view an item
UC4 : Save Location	This use case describes how the user can save a particular location as their favourite
UC5 : Search Catalogue	This use case describes how the user can search for item in the catalogue
UC6 : UpdateLocation	This use case describes how user can update their current location
UC7 : Choose Store	This use case describes how the user can choose in which store (within their specified location) they want to go to
UC8 : Update Item (User)	This use case describes how the user can add new items in the shopping cart, change quantity of item and remove the item from shopping cart
UC9 : View Personalized Shopping List	This use case describes how the user can view their personalized shopping list that shows the best order in which user can find the items, starting at the front of the store
UC10 : View Suggested Items	This use case describes how user can view the suggested items which consists of products that others have searched for when they have also searched for items on the users shopping list.
UC11 : Add new Item	This use case describes how the manager can add a new item on the system's database
UC12 : Update Item (Manager)	This use case describes how the manager can update an item on the system's database
UC13 : Add Category	This use case describes how the manager can add a new category on the system's database
UC14 : Update Category	This use case describes how the manager can update a category
UC15 : Update Customer Account	This use case describes how the manager can update a user account
UC16 : Login	This use case describes how user and manager can Log in to the System
UC17 : Forgot Password	This use case describes steps that User and Manager should take if they forget their username/password combination

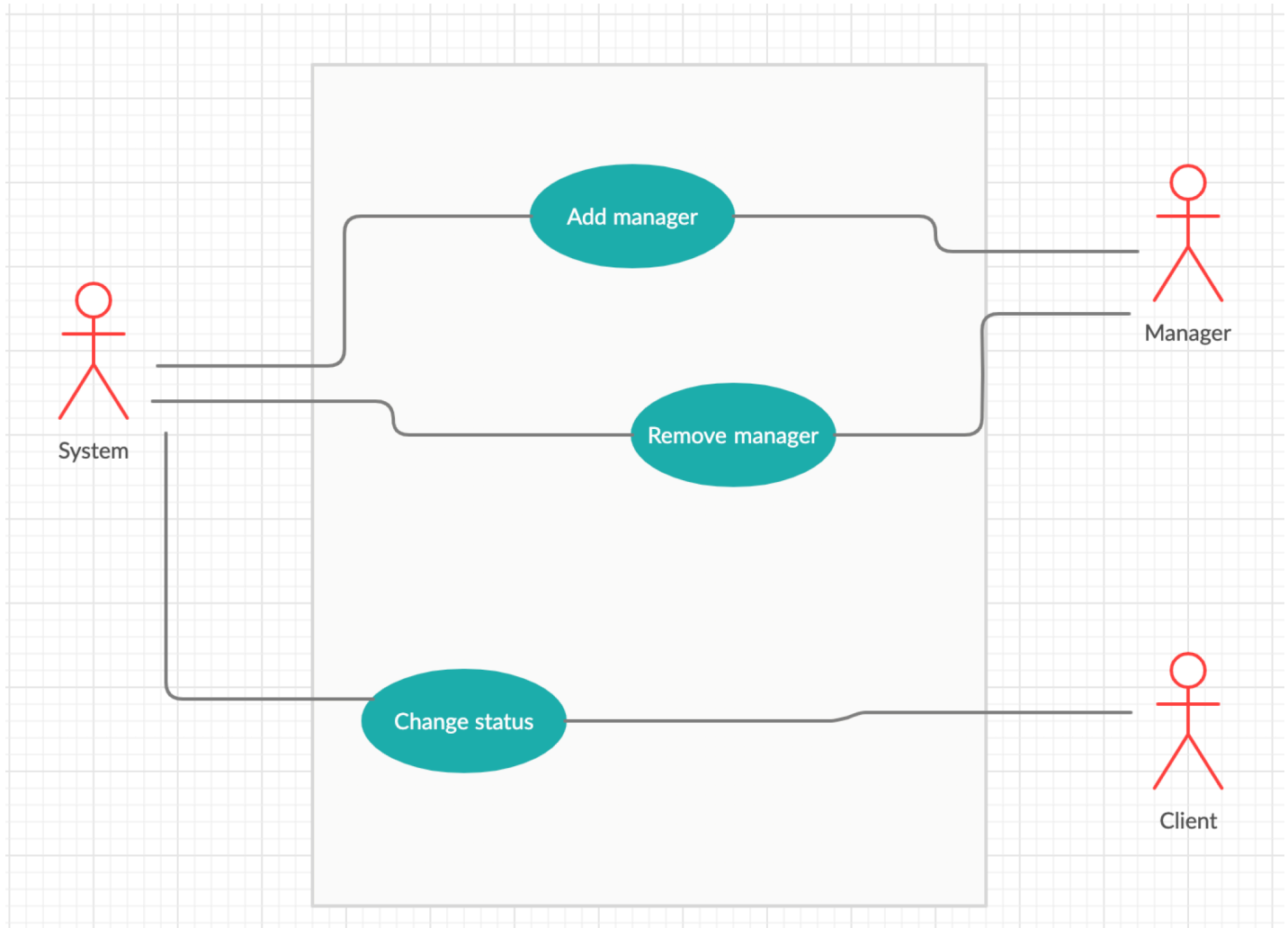
Use Case Diagram: User



Use Case Diagram: Manager



Use Case: System



USE CASE DESCRIPTIONS

UC1: Enter Location	
Level	User Goal
Primary Actor	User
Stakeholders and Interests:	<ol style="list-style-type: none">1. User: Wants user-friendly interface, fast searching speed and a better experience in ShoppersLand stores.2. ShoppersLand: Wants to satisfy user interests so that they have better experience and shop more on their stores3. Owner: Revenue and higher profitability
Preconditions	<ol style="list-style-type: none">1. User opened “SmartShoppers” System
Success Guarantee (Post Conditions):	<ol style="list-style-type: none">1. If location is not accurate, user is appropriately notified.2. System will show a list of stores within the area
Main Success Scenario	<ol style="list-style-type: none">1. User clicks “Location” button2. User specifies their postal code and/or their city and province3. The system validates the postal code and/or the city and province(successfully)4. User is presented with a list of stores within the specified area and chooses a store
Extensions	<ol style="list-style-type: none">1.2 Saving the location as “favourite”: SaveLocation1.2 Update location information: UpdateLocation2.1 System detects that the information is incorrect<ol style="list-style-type: none">a. System prompts a message “City and/or Province do not exist”b. System asks user to re-enter the information3.1 Chooses the store: ChooseStore

UC2: Browse Catalog	
Level	User Goal
Primary Actor	User
Stakeholders and Interests:	<ol style="list-style-type: none"> 1. User: Wants user-friendly interface, fast searching speed and a better experience in ShoppersLand stores. 2. ShoppersLand: Wants to satisfy user interests so that they have better experience and shop more on their stores 3. Owner: Revenue and higher profitability
Preconditions	<ol style="list-style-type: none"> 1. User is on “SmartShoppers” System 2. Location is specified and verified 3. Store is specified
Success Guarantee (Post Conditions):	<ol style="list-style-type: none"> 1. System shows a list of items at the store the user specified 2. System shows a list of suggested items (based on item that are on the shopping list)
Main Case Scenario	<ol style="list-style-type: none"> 1. User is in the “Browse” page of the system 2. System launches a list of products available on the specified store 3. User clicks on any product founded on the “Browsing” page of SmartShoppers
Extensions	2.a View an item: View Item

UC3: ViewItem (the extending use case)	
Level	Subfunction
Primary Actor	User
Trigger	User wants to view the item
Preconditions	1. User is on “SmartShoppers” System 2. Location is specified and verified 3. Product is available in the specified store
Success Guarantee (Post Conditions):	1. User can see the product description, price and where in the store the product can be found
Main Case Scenario	1. User is on “Browse” page of the system 2. User clicks on a particular product 3. User is redirected to a page which has information about: product description, price and where in the store item can be found 4. If satisfied with the product, user can add it to the shopping list
Success Guarantee (Post Conditions):	3a. Add product to the shopping list: AddItem

UC4: SaveLocation (the extending use case)	
Level	Subfunction
Primary Actor	User
Trigger	User want to save this location as a favourite
Preconditions	1. User is on “SmartShoppers” System 2. Location is specified and verified
Success Guarantee (Post Conditions):	1. Location is saved as a “Favorite Location”
Main Case Scenario	1. User clicks on “Location” button located in the top right of the system 2. User is at “Location” page 3. User saves the location information by clicking “Save” 4. User exits the page by clicking “Done” 5. User is redirected to the “Browse” page

UC5: SEARCH CATALOG	
Level	User Goal
Primary Actor	User
Stakeholders and Interests:	<ol style="list-style-type: none"> 1. User: Wants user-friendly interface, fast searching speed and a better experience in ShoppersLand stores. 2. ShoppersLand: Wants to satisfy user interests so that they have better experience and shop more on their stores 3. Owner: Revenue and higher profitability
Preconditions	<ol style="list-style-type: none"> 1. User is on “SmartShoppers” System 2. Location is specified and verified
Success Guarantee (Post Conditions):	- System displays items and list prices for the searched product.
Main Case Scenario	<ol style="list-style-type: none"> 1. User is in the “Browse” page of the system 2. User enters the name of a product in the “Search” text box and clicks Search button 3. System displays the matching text products 4. User now can view any product from the list that is returned on step [2]
Extensions	<ol style="list-style-type: none"> 2a. No matching text exists <ol style="list-style-type: none"> a. System displays the message “No matching products found” 4a. View an item: View Item

UC6: UpdateLocation (the extending use case)	
Level	Subfunction
Primary Actor	User
Trigger	User wants to update the location
Success Guarantee (Post Conditions):	Location is updated according to the input of the user
Main Case Scenario	<ol style="list-style-type: none"> 1. User clicks “Location” button located in the top right corner 2. User is at “Location” page 3. User updates the location information and exits the page by clicking “Done” 4. User is redirected to the “Browse” page
Extensions	<ol style="list-style-type: none"> 3.a System detects that the information is incorrect <ol style="list-style-type: none"> a. System prompts a message “City and/or Province do not exist” b. System asks user to re-enter the information

UC7: Choose Store	
Level	User Goal
Primary Actor	User
Stakeholders and Interests:	<ol style="list-style-type: none"> 1. User: Wants user-friendly interface, fast searching speed and a better experience in ShoppersLand stores. 2. ShoppersLand: Wants to satisfy user interests so that they have better experience and shop more on their stores 3. Owner: Revenue and higher profitability
Preconditions	<ol style="list-style-type: none"> 1. User is on “SmartShoppers” System 2. Location is specified and verified 3. A list on the specified region is available
Success Guarantee (Post Conditions):	<ol style="list-style-type: none"> 1. System adds the store to the user’s account information 2. User is redirected to the “Browse” page of the specified store
Main Case Scenario	<ol style="list-style-type: none"> 1. User browses through the list of stores found on the region 2. User clicks the link of the desired store 3. System adds the store to the user’s account information 4. User is redirected to the “Browse” page of the specified store

UC8: Update Item	
Level	User Goal
Primary Actor	User
Stakeholders and Interests:	<ol style="list-style-type: none"> 1. User: Wants to update the shopping list 2. ShoppersLand: Wants to satisfy user interests so that they have better experience and shop more on their stores 3. Owner: Revenue and higher profitability
Preconditions	<ol style="list-style-type: none"> 1. User is on “SmartShoppers” System 2. Location is specified and verified 3. User is on a page which has information about: product description, price and where in the store it can be found
Success Guarantee (Post Conditions):	<ol style="list-style-type: none"> 1. System adds/updates the product on the shopping list 2. Shopping list is updated accordingly after the new product is added 3. “Suggested Items” list is updated accordingly after the new product is added
Main Case Scenario	<ol style="list-style-type: none"> 1. User can scroll through the page to read about the product 2. To add the item, user clicks the button “Add item” 3. The system displays the Cart with the all the old items and the newly added item. 4. User can modify the quantity of one or multiple items and then click “Update Cart” 5. System updates the quantities and displays the modified total to the user. 6. The user can click the “Remove” button to remove any of the items in the cart. 7. System will update the total and shopping Cart accordingly
Extensions	<ol style="list-style-type: none"> 5.a User enters a negative or non-integer quantity, system displays an error message.

UC9: View Personalized Shopping List	
Level	User Goal
Primary Actor	User
Stakeholders and Interests:	<ol style="list-style-type: none"> 1. User: Wants a better experience in ShoppersLand stores. 2. ShoppersLand: Wants to satisfy user interests so that they have better experience and shop more on their stores 3. Owner: Revenue and higher profitability
Preconditions	<ol style="list-style-type: none"> 1. User is on “SmartShoppers” System 2. Location is specified and verified
Success Guarantee (Post Conditions):	<ol style="list-style-type: none"> 1. User has access to a personalized shopping list
Main Case Scenario	<ol style="list-style-type: none"> 1. User clicks the button “Cart” located on the top-right corner of the SmartShoppers System 2. User is directed to the “Cart” Page of the system 3. System provides the user with the list in which products are ordered in the best order in which user can find the items, starting at the front of the store

UC10: View Suggested Items	
Level	User Goal
Primary Actor	User
Stakeholders and Interests:	<ol style="list-style-type: none"> 1. User: Wants user-friendly interface, and a better experience in ShoppersLand stores. 2. ShoppersLand: Wants to satisfy user interests so that they have better experience and shop more on their stores 3. Owner: Revenue and higher profitability
Preconditions	<ol style="list-style-type: none"> 1. User is on “SmartShoppers” System 2. Location is specified and verified
Success Guarantee (Post Conditions):	<ol style="list-style-type: none"> 1. User has access to a “Suggested Items” list
Main Case Scenario	<ol style="list-style-type: none"> 1. User clicks the button “Suggested List” 2. User is directed to the “Suggested List” Page of the system 3. System provides the user with the list that will consist of products that others have searched for when they have also searched for items on the users shopping list

UC11: Add new Item	
Level	User Goal
Primary Actor	Manager
Stakeholders and Interests:	<ol style="list-style-type: none"> 1. User: Wants an updated catalogue 2. Manager: Wants to add/modify items in the product catalog 3. Owner: Revenue and higher profitability
Preconditions	<ol style="list-style-type: none"> 1. Manager is on “SmartShoppers” System 2. Manager is logged into the system.
Success Guarantee (Post Conditions):	<ol style="list-style-type: none"> 1. Item successfully added on the SmartShoppers database
Main Case Scenario	<ol style="list-style-type: none"> 1. The system prompts manager to select an appropriate category and product 2. Manager selects the appropriate category and product. 3. The system prompts manager to enter the item details like product description, price and where in the store it can be found 4. Manager inputs the requested item details and clicks “Submit” 5. The system adds the item in the selected category/ product in the database.
Extensions	<ol style="list-style-type: none"> 5.a Category does not exist, manager can add the category: Add Category

UC12: Update Item	
Level	User Goal
Primary Actor	Manager
Stakeholders and Interests:	<ol style="list-style-type: none"> 1. User: Wants an updated catalogue 2. Manager: Wants to remove items in the product catalog 3. Owner: Revenue and higher profitability
Preconditions	<ol style="list-style-type: none"> 1. Manager is on “SmartShoppers” System 2. Manager is logged into the system.
Success Guarantee (Post Conditions):	<ol style="list-style-type: none"> 1. Item successfully removed/updated on the StartShoppers System
Main Case Scenario	<ol style="list-style-type: none"> 1. Manager click “Update Item” button 2. The system prompts manager to navigate to the appropriate item 3. Manager navigates to the item that he wants to modify 4. Manager updates the desired information 5. Manager clicks “Submit” button 6. The system updates the item in the selected category/ product in the database.
Extensions	<ol style="list-style-type: none"> 4.a Manager can remove the item <ol style="list-style-type: none"> a) Manager clicks “Remove Item” button b) Item is successfully removed from database 4.b Manager can update the item <ol style="list-style-type: none"> a) Manager clicks “Update Item” button b) Manager enters the item details: product description, price and location

UC13: Add Category	
Level	User Goal
Primary Actor	Manager
Stakeholders and Interests:	<ol style="list-style-type: none"> 1. User: Wants an updated catalogue 2. Manager: Wants to update the database 3. Owner: Revenue and higher profitability
Preconditions	<ol style="list-style-type: none"> 1. Manager is on “SmartShoppers” System 2. Manager is logged into the system.
Success Guarantee (Post Conditions):	<ol style="list-style-type: none"> 1. Category is successfully removed/added on the StartShoppers System
Main Case Scenario	<ol style="list-style-type: none"> 1. Manager clicks “Add Category” button 2. The system prompts manager to enter the Category details: name, description and location 3. Manager inputs the requested category details and clicks “Submit” 4. The system adds the selected category in the database.

UC14: Update Category	
Level	User Goal
Primary Actor	Manager
Stakeholders and Interests:	<ol style="list-style-type: none"> 1. User: Wants an updated catalogue 2. Manager: Wants to update the database 3. Owner: Revenue and higher profitability
Preconditions	<ol style="list-style-type: none"> 1. Manager is on “SmartShoppers” System 2. Manager is logged into the system.
Success Guarantee (Post Conditions):	<ol style="list-style-type: none"> 1. Category successfully removed/updated on the StartShoppers System
Main Case Scenario	<ol style="list-style-type: none"> 1. Manager click “Update Category” button 2. The system prompts manager to navigate to the appropriate category 3. Manager navigates to the category that he wants to modify 4. Manager updates the desired information 5. Manager clicks “Submit” button 6. The system updates the category information in the database.
Extensions	<ol style="list-style-type: none"> 4.a Manager can remove the category <ol style="list-style-type: none"> a) Manager clicks “Remove Category” button b) Category is successfully removed from database 4.b Manager can update the category <ol style="list-style-type: none"> a) Manager clicks “Update Item” button b) Manager enters the category details: name description, and location

UC15: Update Customer Account	
Level	User Goal
Primary Actor	Manager
Stakeholders and Interests:	<ol style="list-style-type: none"> 1. User: Wants to update his account 2. Owner: Revenue and higher profitability
Preconditions	<ol style="list-style-type: none"> 1. Manager is on “SmartShoppers” System 2. Manager is logged into the system.
Success Guarantee (Post Conditions):	<ol style="list-style-type: none"> 1. Account successfully removed/updated on the StartShoppers System
Main Case Scenario	<ol style="list-style-type: none"> 1. Manager click “Update Account” button 2. The system prompts manager to search for the user. 3. Manager navigates to the user that he wants to modify 4. The system displays the account details to the admin. 5. Manager updates the desired information 6. Manager clicks “Submit” button 7. The system updates the category information in the database.
Extensions	<ol style="list-style-type: none"> 5.a Manager can remove the account <ol style="list-style-type: none"> a) Manager clicks “Remove Account” button b) Account is successfully removed from database 5.b Manager can update the account <ol style="list-style-type: none"> a) Manager clicks “Update Account” button b) Manager enters the category details: name address, and favourite locations

UC16: LogIn	
Level	User Goal
Primary Actor	Manager/ User
Stakeholders and Interests:	<ol style="list-style-type: none"> 1. User: wants to access to system easier and maintain personal account 2. Manager: wants to ensure security of system
Preconditions	1. User is on the LogIn screen of “SmartShoppers” System
Success Guarantee (Post Conditions):	1. User is logged in or failed to log in and is appropriately notified.
Main Case Scenario	<ol style="list-style-type: none"> 1. User browses to the "Sign In" page. 2. User inputs his/her username and password in the "Sign In" screen. 3. System validates the username and password and shows the user's account page.
Extensions	<ol style="list-style-type: none"> 2.a The system determines that the username or password is invalid and prompts the user to try again. 2.b User forgot their password: Forgot Password

UC17: Forgot Password (the extending use case)	
Level	User Goal
Primary Actor	Manager/ User
Stakeholders and Interests:	<ol style="list-style-type: none"> 1. User: wants to access to system easier and maintain personal account 2. Manager: wants to ensure security of system
Preconditions	1. User is on the LogIn screen of “SmartShoppers” System
Success Guarantee (Post Conditions):	1. An email with necessary information is sent to the user’s email
Main Case Scenario	<ol style="list-style-type: none"> 1. User clicks the "Forgot Username/Password?" link 2. System asks user for personal information 3. System resets the users account and sends an e-mail notification with the new information