

UC-01 Product Management

Usecase name	UC-01 Product Management
Participating Users	Sales person
The Flow of Events	<ol style="list-style-type: none">1.The seller logs in to the system2.The system verifies the seller's credentials and grants access.3.The seller navigates to the 'Products' section.4.The system loads the 'Products' section and displays the product list.5.The seller adds, edits, or deletes a product.6.The system updates the product list based on the seller's input.7.The seller confirms the changes.8.The system saves the changes and confirms success.
Alternative Flows	<ol style="list-style-type: none">3.1 If the seller cannot access the 'Products' section due to a technical issue, they attempt to reload or check the internet connection.3.2The system displays an error message indicating that the 'Products' section failed to load.5.1 If the seller enters invalid product details, such as incorrect prices or missing information, they submit the form.5.2 The system displays a validation error message, highlighting the incorrect details.
Exceptional Flows	<p>Database error.</p> <p>Product image upload fails.</p>
Entry Condition	Seller must be authenticated.
Exit Condition	Product is added, updated, or removed successfully.

UC-02 Category Management

Usecase name	UC-02 Category Management
Participating Users	Sales person
The Flow of Events	<ol style="list-style-type: none">1. The seller accesses the store dashboard.2. The system displays the store dashboard.3. The seller navigates to 'Category Management'.4. The system loads the 'Category Management' section.5. The seller adds, edits, deletes, or views categories.6. The system updates or displays categories as per the seller's actions.
Alternative Flows	<ol style="list-style-type: none">3.1 If the 'Category Management' section fails to load, the seller tries to refresh the page or contact support.3.2 The system displays an error message stating that the section couldn't load due to a technical issue.5.1 If the seller enters invalid category data (e.g., missing name or description), they try to submit the form.5.2 The system prompts the seller to correct the invalid data and resubmit the form.
Exceptional Flows	Database connection error.
Entry Condition	Seller must be logged in and have an active store.
Exit Condition	Categories are updated.

UC-03 Inventory Management

Use Case Name	UC-03 Inventory Management
Participating Users	Sales person
The Flow of Events	<ol style="list-style-type: none">1. Seller accesses 'Inventory Management'.2. The system displays the current inventory.3. The seller views the current inventory.4. The system shows the list of available products and their quantities.5. The seller adds or removes product quantities.6. The system updates the inventory accordingly.
Alternative Flows	<ol style="list-style-type: none">2.2 If the inventory page fails to load, show error message.2.3 The system displays an error message indicating that the inventory could not be loaded.5.1 If the seller enters an invalid quantity (e.g., a negative number), they submit the form.5.2 The system displays a warning message asking the seller to input a valid quantity.
Exceptional Flows	Inventory update failure.
Entry Condition	Seller must be logged in with product data.
Exit Condition	Inventory is updated.

UC-04 Cart Management

Use Case Name	UC-04 Cart Management
Participating Users	Customer
The Flow of Events	<p>1.Customer views products.</p> <p>2. The system displays the products for browsing.</p> <p>3. The customer adds products to the cart.</p> <p>4. The system updates the cart with the selected products.</p> <p>5. The customer updates the quantity or removes items.</p> <p>6. The system reflects the changes in the cart.</p>
Alternative Flows	<p>3.1 If a product is out of stock when the customer tries to add it to the cart, they attempt to proceed with a different product.</p> <p>3.2 The system notifies the customer that the product is out of stock and suggests alternatives.</p> <p>5.1 If the customer tries to remove an item from the cart, but the action fails, they attempt to reload the cart.</p> <p>5.2 The system reloads the cart and ensures that the item is properly removed.</p>
Exceptional Flows	Cart data fails to save.
Entry Condition	User must be logged in.
Exit Condition	Cart updated.

UC-05 Browse Products

Use Case Name	UC-05 Browse Products
Participating Users	Customer
The Flow of Events	<p>1.Customer logs in or browses site.</p> <p>2.The system loads the website and displays available products.</p> <p>3. The customer views products by category or keyword.</p> <p>4. The system filters and displays products based on the category or keyword.</p>
Alternative Flows	<p>3.1 If no products match the search criteria, the customer tries modifying the search terms.</p> <p>3.2 The system displays a "No results found" message.</p> <p>4.1 If the product images fail to load while browsing, the customer tries to refresh the page.</p> <p>4.2 The system attempts to reload the product images.</p>
Exceptional Flows	Product images fail to load.
Entry Condition	Products must be published.
Exit Condition	Product listings displayed.

UC-06 Place Order

Use Case Name	UC-06 Place Order
Participating Users	Customer
The Flow of Events	<ol style="list-style-type: none">1.The customer finalizes cart.2. The system calculates the total cost and displays it.3. The customer enters delivery and payment info.4. The system validates the entered information.5. The customer confirms the order.6. The system processes the order and confirms success.
Alternative Flows	<ol style="list-style-type: none">3.1 If required delivery or payment info is missing, the customer attempts to fill in the missing details.3.2 The system prompts the customer to provide the missing information before proceeding.5.1 If the order confirmation fails to process, the customer tries to confirm the order again.5.2 The system retries the order confirmation process and alerts the customer once it's completed.
Exceptional Flows	Payment service unavailable.
Entry Condition	Customer logged in with items in cart.
Exit Condition	Order created.

UC-07 Proccess payment

Use Case Name	UC-07 Payment
Participating Users	Customer
The Flow of Events	1. Triggered after 'Place Order'. 2. Customer selects payment method. 3. System processes payment.
Alternative Flows	2.1 If the payment is declined by the payment provider, the customer selects a different payment method or tries again. 2.2 The system prompts the customer to choose a different payment method or retry the current method.
Exceptional Flows	Payment gateway timeout.
Entry Condition	Order must be placed.
Exit Condition	Payment confirmed.

UC-08 Track Order Status

Use Case Name	UC-08 Track Order Status
Participating Users	Customer
The Flow of Events	1. Customer checks order status. 2. System retrieves current status.
Alternative Flows	1.1 If the order cannot be found while checking the status, the customer verifies the order number or contacts support. 1.2The system displays an error message indicating that the order was not found.
Exceptional Flows	System error retrieving status.
Entry Condition	Order must exist.
Exit Condition	Status displayed.

UC-09 Order Management

Use Case Name	UC-09 Order Management
Participating Users	Sales person
The Flow of Events	1.Seller views orders. 2. The system displays a list of orders with their details.
Alternative Flows	1.1 If the seller attempts an unauthorized action on an order, such as updating a pending order, they try again with valid permissions. 1.2 The system denies access and displays a message indicating that the action is not allowed.
Exceptional Flows	Order update failure.
Entry Condition	Seller logged in.
Exit Condition	Orders updated.

UC-10 Shop Management

Use Case Name	UC-10 Shop Management
Participating Users	Sales person
The Flow of Events	<ol style="list-style-type: none">1.Seller accesses 'Shop Management'.2. The system loads the shop management section.3. The seller edits or updates shop details.4.The system saves and updates the shop information.
Alternative Flows	<ol style="list-style-type: none">3.1 If the shop data is invalid (e.g., missing details or incorrect format), the seller tries to fix the issue.3.2 The system prompts the seller to correct the invalid data before submission.
Exceptional Flows	Error saving shop data.
Entry Condition	Seller logged in.
Exit Condition	Shop information updated.

UC-11 Signup

Use Case Name	UC-11 Signup
Participating Users	Customer, Sales person
The Flow of Events	1. User opens registration page. 2. Enters required info. 3. Submits form.
Alternative Flows	2.1 If the seller or customer enters mismatched passwords, they try entering the correct password. 2.2 The system prompts the user to re-enter the passwords correctly
Exceptional Flows	Server error on submit.
Entry Condition	User must not be logged in.
Exit Condition	New user registered.

UC-12 Login

Use Case Name	UC-12 Login
Participating Users	Customer, Sales person, Admin
The Flow of Events	1. User opens login page. 2. Enters credentials. 3. System validates login.
Alternative Flows	2.1 If the user enters incorrect login credentials, they try again with the correct credentials. 2.2 The system displays an error message indicating that the credentials are incorrect.
Exceptional Flows	Server error.
Entry Condition	Existing account required.
Exit Condition	User logged in.

UC-13 Users Management

Use Case Name	UC-13 Users Management
Participating Users	System admin
The Flow of Events	<ol style="list-style-type: none">1. Admin accesses 'Users Management'.2. The system displays the list of users.3. The admin views, edits, or deletes users.4. The system processes the admin's request and updates the user data.
Alternative Flows	<ol style="list-style-type: none">3.1 If the admin tries to edit a user without proper permissions, they attempt the action again with the necessary privileges.3.2 The system denies the action and displays a message saying "Access Denied."
Exceptional Flows	Data update failure.
Entry Condition	Admin must be logged in.
Exit Condition	User list updated.

UC-14 Tracking Shops

Use Case Name	UC-14 Tracking Shops
Participating Users	System admin
The Flow of Events	<ol style="list-style-type: none">1. Admin views all shops.2. The system loads and displays all shop data.3. The admin reviews shop statuses and activities.4. The system updates the shop statuses in real time.
Alternative Flows	<ol style="list-style-type: none">3.1 If no shops are available to track, the admin attempts to refresh the page or check later.3.2 The system displays an empty list and provides an option to check later.
Exceptional Flows	Failed to retrieve shop data.
Entry Condition	Admin must be logged in.
Exit Condition	Shop data displayed.

UC-15 Reports Generator

Use Case Name	UC-15 Reports Generator
Participating Users	System admin
The Flow of Events	<ol style="list-style-type: none">1. Admin selects report type.2. The system displays available report types.3. The admin sets the date range for the report.4. The system validates the date range and processes the request.5. The admin confirms to generate the report.6. The system generates and presents the requested report.
Alternative Flows	<ol style="list-style-type: none">3.1 If the admin enters an invalid date range, they attempt to correct the range.3.2 The system prompts the admin to provide a valid date range for the report.
Exceptional Flows	Report generation failure.
Entry Condition	Admin must be logged in.
Exit Condition	Report generated or downloaded.