

Use Case Document

Online Shopping Management System

ID:	UC-001
Title:	Manage user and full application
Description:	<p>The admin has full access and control over the application and user. Here the admin performs various tasks such as:</p> <ul style="list-style-type: none">• User management• Application configuration• Access control• Troubleshooting and support• Data management
Primary Actor:	Admin
Preconditions:	<ul style="list-style-type: none">• The configurations are not set• Access control rules are not defined
Postconditions:	<ul style="list-style-type: none">• The configurations are updated• Access control rules are defined
Main Success Scenario:	<p>The admin can perform CRUD operations on user accounts.</p> <p>The admin can update the configurations and the access control rules.</p> <p>The admin can maintain the system and troubleshoot the system in case of any failure.</p> <p>The admin manages the data and monitors the system.</p>
Extensions:	<p>The admin cannot create a user that is already existing and cannot delete a user that is non-existent. The admin cannot update configuration and access control rules due to internal system failure or error. The admin cannot manage data present with anomalies</p>

ID:	UC-002
Title:	Sign in
Description:	This use case describes the process of signing into application by the user and admin.
Actors:	<ul style="list-style-type: none">• Admin• User
Preconditions:	<ul style="list-style-type: none">• The user does not have a registered account.
Postconditions:	<ul style="list-style-type: none">• The user is successfully registered into the application.
Main Success Scenario:	<p>The user opens the application.</p> <p>The system displays the sign-in page.</p> <p>The user is presented with options to enter their username, email, or other identifier.</p> <p>The user enters their chosen identifier into the corresponding input field.</p> <p>The user enters their password into the password input field.</p> <p>The user submits the sign-in credentials.</p> <p>The system verifies the entered credentials.</p> <p>If the credentials are valid, the system authenticates the user and grants access to the application.</p> <p>The system redirects the user to the application's main page or dashboard.</p>
Extensions:	<p>If the entered credentials are invalid, the system displays an error message indicating that the sign-in attempt failed. The user is prompted to re-enter the correct credentials.</p>

ID:	UC-003
Title:	Login
Description:	This use case describes the process of logging into application by the user and admin.
Actors:	<ul style="list-style-type: none">• User• Admin
Preconditions:	<ul style="list-style-type: none">• The user has a registered account in the application.• The admin has access into the application.
Postconditions:	<ul style="list-style-type: none">• The user is successfully logged into the application.• The admin is successfully logged into the application.
Main Success Scenario:	<p>The user opens the application.</p> <p>The system displays the login page.</p> <p>The user enters their username or email and password.</p> <p>The user submits the login credentials.</p> <p>The system verifies the entered credentials.</p> <p>If the credentials are valid, the system authenticates the user and grants access to the application.</p> <p>The system redirects the user to the application's main page or dashboard</p>
Extensions:	<p>If the entered credentials are invalid, the system displays an error message and prompts the user to re-enter the correct credentials.</p>

ID:	UC-004
Title:	Logout/Sign-out
Description:	This use case describes the process of signing out or logging out from the application.
Actors:	<ul style="list-style-type: none">• User• Admin
Preconditions:	<ul style="list-style-type: none">• The user is currently signed into the application.• The admin is currently signed into the application.
Postconditions:	<ul style="list-style-type: none">• The user is successfully signed out of the application.• The Admin is successfully signed out of the application.
Main Success Scenario:	<p>The user initiates the sign-out process by selecting the "Sign Out" or "Logout" option within the application.</p> <p>The system prompts the user to confirm their intention to sign out.</p> <p>The user confirms their decision to sign out.</p> <p>The system clears the user's session and revokes their access to the application.</p> <p>The system redirects the user to a sign-in page or a designated landing page.</p>
Extensions:	No extensions.

ID:	UC-005
Title:	Search product
Description:	This use case describes the process of searching for a product within the application.
Actors:	<ul style="list-style-type: none">User
Preconditions:	<ul style="list-style-type: none">The user is logged in to the application and has access to the product search functionality.
Postconditions:	<ul style="list-style-type: none">The user is presented with search results matching their query.
Main Success Scenario:	<p>The user opens the application.</p> <p>The user navigates to the search functionality within the application.</p> <p>The system displays a search interface or input field.</p> <p>The user enters their search query into the search input field.</p> <p>The user submits the search query.</p> <p>The system processes the search query and retrieves relevant products matching the query.</p> <p>The system presents the search results to the user, typically as a list or grid.</p> <p>The user reviews the search results and may refine their query or explore the displayed products.</p>
Extensions:	<p>If no products match the search query, the system displays a message indicating that no results were found.</p> <p>If the search query is invalid or incomplete, the system displays an error message and prompts the user to enter a valid query.</p>

ID:	UC-006
Title:	Add product to catalog/cart
Description:	This use case describes the process of adding a product to the shopping cart/catalog.
Actors:	<ul style="list-style-type: none">• User• Admin
Preconditions:	<ul style="list-style-type: none">• The user is logged in to the application and has access to the product catalog.• The admin is logged into the application.
Postconditions:	<ul style="list-style-type: none">• The product is successfully added to the user's shopping cart.• The product is successfully added to the catalog list.
Main Success Scenario:	<p>The user opens the application.</p> <p>The user browses or searches for a desired product within the application's product catalog.</p> <p>The system displays the product details, including the product name, description, price, and other relevant information.</p> <p>The user decides to add the product to their shopping cart.</p> <p>The user clicks on the "Add to Cart" button or a similar interaction element.</p> <p>The system validates the availability of the product and ensures it can be added to the user's cart.</p> <p>If the product is available and can be added to the cart, the system updates the user's shopping cart by including the selected product.</p> <p>The system may display a confirmation message indicating that the product has been successfully added to the cart.</p> <p>The user may continue browsing for additional products or proceed to view their shopping cart.</p>
Extensions:	If the product is not available (e.g., out of stock or discontinued), the system displays an error message indicating that the product cannot be added to the cart.

ID:	UC-007
Title:	Update product to catalog/cart
Description:	This use case describes the process of updating a product in the shopping cart/catalog.
Actors:	<ul style="list-style-type: none">• User• Admin
Preconditions:	<ul style="list-style-type: none">• The user is logged in to the application and has the necessary permissions to update a product. The product to be updated exists in the application's product catalog.
Postconditions:	<ul style="list-style-type: none">• The product is successfully updated in the user's shopping cart.• The product is successfully updated in the catalog list.
Main Success Scenario:	<p>The admin opens the application.</p> <p>The admin navigates to the product management section or the page where product details can be edited.</p> <p>The system displays the product details for editing.</p> <p>The admin makes changes to the desired fields of the product, such as the product name, description, price, or other relevant details.</p> <p>The admin saves the updated product information.</p> <p>In case of user, the user opens the application.</p> <p>The user navigates to their shopping cart or the page where the cart items are displayed.</p> <p>The system retrieves and displays the user's shopping cart with the list of products and their details.</p> <p>The user identifies the product in the cart that they want to update.</p> <p>The user selects the product and indicates their intention to update it.</p>
Extensions:	If there are validation errors or missing fields, the system displays error messages indicating the required corrections and prompts the user to fix them.

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ID:	UC-008
Title:	Delete Product from Online Shopping Cart - Use Case Document
Description:	This use case describes the steps involved when a customer wants to delete a product from their online shopping cart.
Primary Actor:	<ul style="list-style-type: none">UserAdmin
Preconditions:	<ul style="list-style-type: none">The customer is logged into the online shopping application.The customer has added one or more products to their shopping cart.
Postconditions:	<ul style="list-style-type: none">The selected product is successfully deleted from the shopping cart.The shopping cart is updated, displaying the remaining products and the revised total order amount.The quantity or availability of the removed product is updated if necessary.The customer can continue shopping or proceed to checkout with the updated shopping cart.
Main Success Scenario:	<ul style="list-style-type: none">The system displays the updated shopping cart with the restored product.The customer can choose to continue shopping or proceed to checkout.
Extensions:	<ul style="list-style-type: none">The system displays the updated shopping cart with the restored product.The customer can choose to continue shopping or proceed to checkout.

ID:	UC-009
Title:	Order product
Description:	This use case describes the process of ordering a product.
Actors:	<ul style="list-style-type: none">User
Preconditions:	<ul style="list-style-type: none">The user is logged in to the application and has added products to their shopping cart.
Postconditions:	<ul style="list-style-type: none">The order is successfully placed, and the user receives an order confirmation.
Main Success Scenario:	<p>The user opens the application.</p> <p>The user navigates to their shopping cart or the page where the cart items are displayed.</p> <p>The system retrieves and displays the user's shopping cart with the list of products and their details.</p> <p>The user reviews the cart contents, ensuring that the selected products and quantities are accurate.</p> <p>The user proceeds to the checkout process by selecting the "Checkout" or a similar option.</p> <p>The system prompts the user to provide the necessary information for the order, such as shipping address, contact details, and payment method.</p> <p>The user enters the required information and submits the order.</p> <p>The system validates the entered information and checks for any errors or missing fields.</p> <p>If the validation is successful, the system processes the order and generates an order confirmation.</p>
Extensions:	<p>If there are validation errors or missing fields, the system displays error messages indicating the required corrections and prompts the user to fix them.</p>

ID:	UC-010
Title:	Rate product
Description:	This use case describes the process of rating product by the user
Actors:	<ul style="list-style-type: none">• User
Preconditions:	<ul style="list-style-type: none">• The user has a registered account in the application.
Postconditions:	<ul style="list-style-type: none">• The user can successfully rate a product.
Main Success Scenario:	<p>The user opens the application.</p> <p>The user navigates to the product page or the section where the product details are displayed.</p> <p>The system retrieves and displays the product details, including any existing ratings and reviews.</p> <p>The user locates the rating or review section for the product.</p> <p>The user selects the option to provide a rating for the product.</p> <p>The system presents a rating scale or interface, allowing the user to select their desired rating value.</p> <p>The user submits rating.</p>
Extensions:	<p>If there are validation errors, such as an invalid rating value, the system displays an error message indicating the required corrections and prompts the user to fix them.</p>

