
<Company Name>

**<Online Book Store>
Use-Case Specification**

Version <2.0>

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Revision History

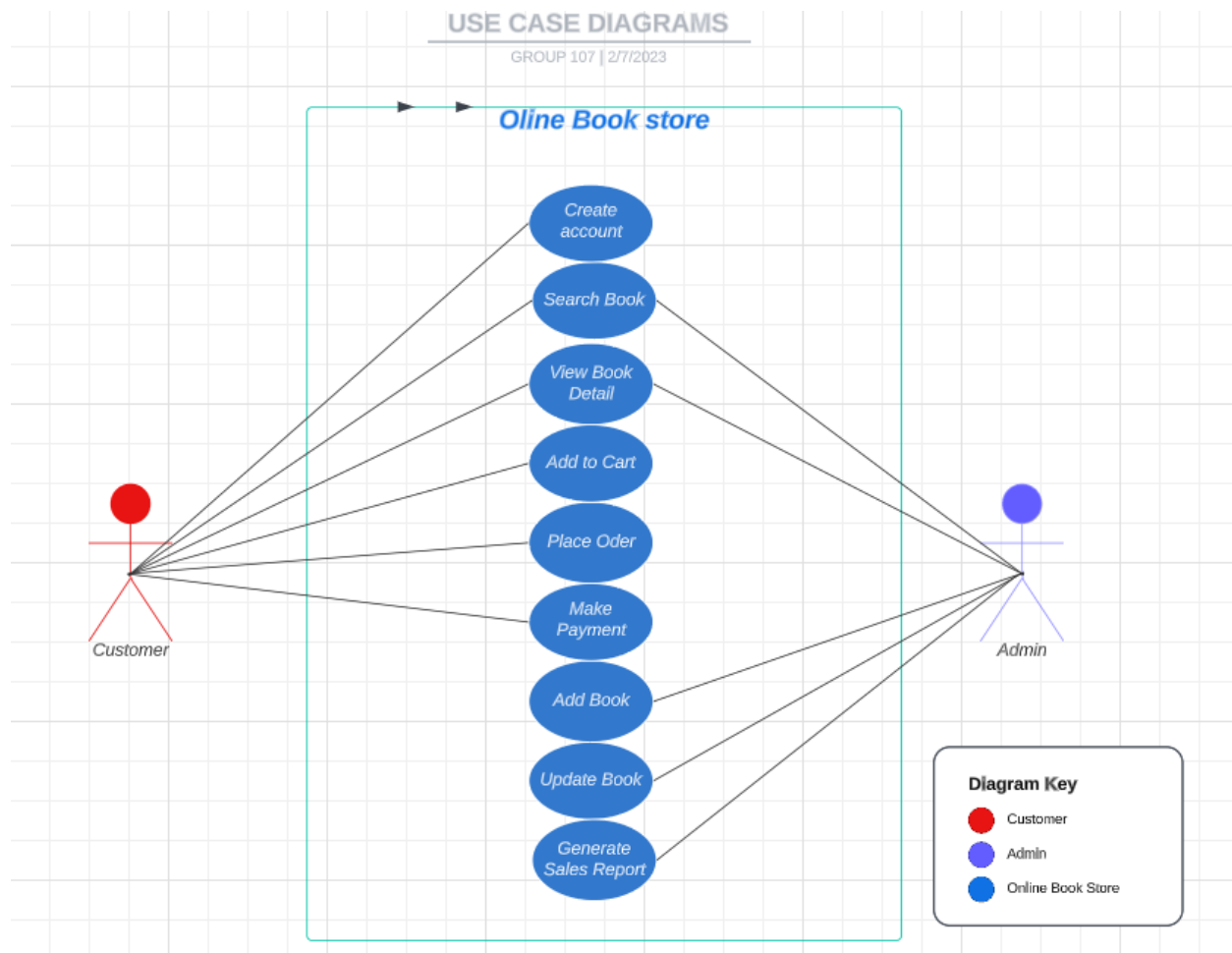
Date	Version	Description	Author
<05/07/2023>	<1.0>	<Use-Case Specification>	<Trịnh Hoàng An >
<15/07/2023>	<2.0>	<Use-Case Specification>	<Trịnh Hoàng An >

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1. Use-case Model



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2. Use-case Specifications

2.1 Use-case: Add a product to cart

Use case Name	Add a product to cart.
Brief description	This use case describes how the Customer can buy a product.
Actors	Customer
Basic Flow	<ol style="list-style-type: none"> 1. User enters keywords in the 'Search' field on the homepage. 2. User clicks on the 'Search' button to initiate the product search. 3. System displays the products found based on the entered keywords. 4. User clicks on the 'Add to cart' button for the expected product. 5. System adds the new product to the shopping cart. 6. System displays the quantity of all products in the cart to the user.
Alternative Flows	<p>1. Alternative Flow 1: User cannot find products searched</p> <ol style="list-style-type: none"> a. User enters another term in the 'Search' field. b. System continues from step 2 of the basic flow. <p>2. Alternative Flow 2: Shopping cart already contains the product</p> <ol style="list-style-type: none"> a. System increases the quantity of the product in the cart. b. System continues from step 6 of the basic flow. <p>Alternative Flow 3: User cannot make payment</p> <ol style="list-style-type: none"> a. After step 6 of the basic flow, the user proceeds to the payment page. b. User enters the payment details. c. System validates the payment details. d. If the payment details are invalid or there is an error, the system displays an error message.
Pre-conditions	User goes to homepage (We will update later)
Post-conditions	The user successfully adds new item to the cart or increases quantity of the existing item in the cart.

2.2 Use-case: Create a new account

Use case Name	Create a new account
Brief description	his use case describes how a user can create a new account on the system.
Actors	Customer
Basic Flow	<ol style="list-style-type: none"> 1. User accesses the system's homepage. 2. User clicks on the "Sign Up" button. 3. System displays the registration form. 4. User fills in the required information, including username, email, and password, ... 5. User clicks the "Submit" button. 6. System validates the entered information. 7. If the information is valid, the system creates a new account for the user. 8. System redirects the user to the login page.
Alternative Flows	<p>Alternative flow 1: Existing email or username</p> <ol style="list-style-type: none"> a. In step 6 of the basic flow, if the entered email or username already exists in the system, the system displays an error message.

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	<ul style="list-style-type: none"> b. User is prompted to enter a different email or username. c. User continues from step 5 of the basic flow. <p>Alternative flow 2: Invalid email format</p> <ul style="list-style-type: none"> a. In step 6 of the basic flow, if the entered email is not in a valid format, the system displays an error message. b. User is prompted to enter a valid email. c. User continues from step 5 of the basic flow.
Pre-conditions	User accesses the system's registration page.
Post-conditions	The user successfully creates a new account and is redirected to the login page.

2.3-2.4 Use-case: Add/ Update Book

Use case Name	Add/ Update Book
Brief description	This use case describes how the admin adds or updates book information in the online book store.
Actors	Admin
Basic Flow	<ol style="list-style-type: none"> 1. The admin selects the option to add/update a book. 2. The system presents a form for the admin to enter the book details such as title, author, ISBN, description, and other relevant information. 3. The admin fills in the required book details in the form. 4. The system validates the entered information. 5. If adding a new book: <ul style="list-style-type: none"> a. The system assigns a unique identifier to the book. b. The system stores the book information in the database. 6. If updating an existing book: <ul style="list-style-type: none"> a. The system retrieves the selected book from the database. b. The system updates the book information with the new details provided by the admin. 7. The system confirms the successful addition/update of the book. 8. The admin can continue adding/updating more books or perform other administrative tasks.
Alternative Flows	<p>Alternative Flows: If the admin enters incomplete or invalid information:</p> <ul style="list-style-type: none"> a. The system displays an error message indicating the invalid input. b. The admin can correct the input and resubmit the form.
Pre-conditions	None
Post-conditions	The book information is successfully added/updated in the online book store.

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2.3 Use-case: Generate Sales Report

Use case Name	Generate Sales Report
Brief description	This use case describes how the admin generates a sales report for the online book store.
Actors	Admin
Basic Flow	<ol style="list-style-type: none"> 1. The admin selects the option to generate a sales report. 2. The system presents a form or options to specify the criteria for the report, such as the time period, book categories, or specific sales data to include. 3. The admin enters or selects the desired criteria for the report. 4. The system validates the entered criteria. 5. The system generates the sales report based on the specified criteria. 6. The system presents the generated sales report to the admin. 7. The admin can view, download, or print the sales report.
Alternative Flows	<p>Alternative Flow 1: If no matching books are found:</p> <ol style="list-style-type: none"> a. The system displays a message indicating that no results were found. b. The customer can modify the search criteria and repeat the search. <p>Alternative Flow 1 : If the search input is invalid:</p> <ol style="list-style-type: none"> a. The system displays an error message indicating the invalid input. b. The customer can correct the input and repeat the search.
Pre-conditions	<p>The admin is logged in to the online book store.</p> <p>- The admin has the necessary permissions to generate sales reports</p>
Post-conditions	The sales report is successfully generated and made available to the admin.

2.4 Use-case: Search book

Use case Name	Search Book
Brief description	This use case describes how the customer searches for books in the online book store.
Actors	Customer
Basic Flow	<ol style="list-style-type: none"> 1. The customer enters keywords or specific details of the book in the search field. 2. The system validates the input and performs a search based on the provided information. 3. The system retrieves and displays the search results to the customer. 4. The customer can select a specific book from the search results to view its details.
Alternative Flows	<p>Alternative Flow 1: If no matching books are found:</p> <ol style="list-style-type: none"> a. The system displays a message indicating that no results were found. b. The customer can modify the search criteria and repeat the search. <p>Alternative Flow 2: If the search input is invalid:</p> <ol style="list-style-type: none"> a. The system displays an error message indicating the invalid input.

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	b. The customer can correct the input and repeat the search.
Pre-conditions	None
Post-conditions	None

2.5 Use-case: View book detail

Use case Name	View Book Detail
Brief description	This use case describes how the customer can view the detailed information of a book in the online book store.
Actors	Customer
Basic Flow	<ol style="list-style-type: none"> 1. The customer searches for a book or navigates to a specific book in the online book store. 2. The customer selects the desired book from the search results or book listing. 3. The system retrieves the detailed information of the selected book. 4. The system displays the detailed information, which may include the book title, author, description, price, ratings, reviews, and other relevant details. 5. The customer can scroll or navigate through the detailed information of the book.
Alternative Flows	Alternative Flows: If the selected book is not found or unavailable: <ol style="list-style-type: none"> a. The system displays a message indicating that the book is not found or currently unavailable. b. The customer can choose to search for another book or go back to the book listing.
Pre-conditions	<ul style="list-style-type: none"> - The customer is logged in to the online book store. - The customer has access to the book details.
Post-conditions	<ul style="list-style-type: none"> - The detailed information of the selected book is displayed to the customer.

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2.8 Use-case: Add to cart

Use case Name	Add to Cart
Brief description	This use case describes how the customer can add a book to their shopping cart in the online book store.
Actors	Customer
Basic Flow	<ol style="list-style-type: none"> 1. The customer views the detailed information of a book in the online book store. 2. The customer selects the option to add the book to their shopping cart. 3. The system validates the availability and other conditions of the selected book. 4. If the book is available and meets the necessary conditions: <ol style="list-style-type: none"> a. The system adds the book to the customer's shopping cart. b. The system updates the quantity and total price of the shopping cart. c. The system displays a confirmation message to the customer. 5. The customer can continue browsing or proceed to the checkout process.
Alternative Flows	<p>If the selected book is not available or does not meet the necessary conditions:</p> <ol style="list-style-type: none"> 1. The system displays an error message indicating that the book cannot be added to the cart. 2. The customer can choose to select another book or go back to the book listing.
Pre-conditions	Postconditions: - The selected book is successfully added to the customer's shopping cart.
Post-conditions	- The customer is logged in to the online book store. - The customer has access to the book details and the shopping cart functionality.

2.9 Use-case: Make a payment

Use case Name	Make a Payment
Brief description	This use case describes how the customer can make a payment for the items in their shopping cart in the online book store.
Actors	Customer
Basic Flow	<ol style="list-style-type: none"> 1. The customer selects the option to proceed to checkout from their shopping cart. 2. The system displays the order summary, including the list of items in the cart and the total amount to be paid. 3. The system redirects the customer to the payment gateway or prompts them to enter their payment details. 4. The system updates the order status as "Paid" and generates an order confirmation for the customer
Alternative Flows	<p>If the payment transaction fails:</p> <ol style="list-style-type: none"> 1. The system displays an error message indicating the payment failure. 2. The customer can choose to retry the payment using a different payment method or contact customer support.
Pre-conditions	- The customer is logged in to the online book store. - The customer has items in their shopping cart. - The customer has selected the option to proceed to checkout.

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Post-conditions	The payment is successfully processed, and the customer's order is confirmed.