

## USE CASE DEFINITIONS

Use Case Number:	1		
Use Case Code:	PPD-UC-001		
Use Case Name:	Login		
Depicter:		Last Modificatory:	
Description Date:	01.04.2020	Last Modification Date:	01.04.2020

Actor(s):	Customer, Admin
Short Definition:	This scenario defines how the user logs in to the system.
Pre-condition:	Actor is not logged in.
Post-condition:	Actor is logged in.
Priority:	High
Frequency of Occurrence:	It occurs when the actor wants to enter the system.
Main Path:	<ol style="list-style-type: none"> <li>1. The user enters his/her username and password</li> <li>2. The user submits the username and password</li> <li>3. The system validates the username and password</li> <li>4. The system verifies the username and password</li> <li>5. The system displays the user's homepage</li> <li>6. The user will be able to use the operations of the main window.</li> <li>7. The use case ends</li> </ol> <p>....</p>
Alternative Path:	<p>3A Missing username and/or password</p> <ol style="list-style-type: none"> <li>1. The system prompts for username and password</li> <li>2. Use case resumes at the main flow step1</li> </ol> <p>4A Invalid username and/or password</p> <ol style="list-style-type: none"> <li>1. The system displays "Invalid username and/or password" message</li> <li>2. The system prompts for username and password</li> <li>3. Use case resumes at the main flow step 1</li> </ol>
Containing Use-Case(s)	<p><b>Included use cases:</b> Access customer information</p> <p><b>Extended use cases:</b> Take the product specific requirement</p>
Special Requirements:	System login/logout will take less than 5 seconds.
Assumptions:	If there is an assumption about the definition, it will be written
Note:	

Use Case Number:	2
Use Case Code:	PPD-UC-002
Use Case Name:	Register

Depicter:		Last Modificatory:	
Description Date:	01.04.2020	Last Modification Date:	01.04.2020

Actor(s):	Unregistered Customer
Short Definition:	A new customer needs to first register into the system before performing any transaction.
Pre-condition:	An unregistered customer
Post-condition:	The new customer has registered. The corresponding account and customer tables are updated.
Priority:	High
Frequency of Occurrence:	It occurs when the actor wants to sign up the system.
Main Path:	<ol style="list-style-type: none"> <li>1. Actor clicks to the “Register” button on the Home Page.</li> <li>2. The system displays the Register Page.</li> <li>3. The system prompts for registration information like, username, password etc.</li> <li>4. The customer enters all of the required information.</li> <li>5. The customer clicks the send button.</li> <li>6. The system checks that all of the required information was entered. If yes, the system updates the customer’s record in the corresponding customer and account tables in database. System displays OK message.</li> </ol>
Alternative Path:	6A Invalid username and/or password <ol style="list-style-type: none"> <li>1. If an invalid username and/or password entered, the system will not allow access to the registration system.</li> <li>2. The system displays “Invalid username and/or password” message</li> </ol>
Containing Use-Case(s)	<b>Included use cases:</b> <b>Extended use cases:</b>
Special Requirements:	<i>The database update process must roll back all related updates when any update fails.</i>
Assumptions:	<i>If there is an assumption about the definition, it will be written</i>
Note:	

Use Case Number:	3		
Use Case Code:	PPD-UC-003		
Use Case Name:	Manage Profile		
Depicter:		Last Modificatory:	
Description Date:	01.04.2020	Last Modification Date:	01.04.2020

Actor(s):	Registered Customer
Short Definition:	Actor views, updates his/her personal information.
Pre-condition:	The actor is a registered customer
Post-condition:	

Priority:	High
Frequency of Occurrence:	It occurs more frequently when the actor attempted to update his/her file in the system.
Main Path:	<ol style="list-style-type: none"> <li>1. The actor logs into the system</li> <li>2. The system displays the actor's profile and prompts the actor.</li> <li>3. The actor updates his/her profile</li> <li>4. The system validates the information entered by the actor.</li> <li>5. The system prompts the actor for confirmation</li> <li>6. The actor confirms that the information is correct</li> <li>7. The system updates the actor's profile and informs the actor that the information was updated successfully</li> <li>8. This use case concludes when the actor receives visual confirmation of the update</li> </ol>
Alternative Path:	<p>3A Change Customer Profile</p> <ol style="list-style-type: none"> <li>1. If the member indicates that he/she entered incorrect information. The system immediately returns to the step 2.</li> </ol> <p>4A Handle Invalid Information at validate information</p> <ol style="list-style-type: none"> <li>1. If any fields are entered incorrectly, the system indicates these fields and prompts the actor to make the necessary corrections. The flow of events are resumed at step 2.</li> </ol> <p>3B The actor view old orders.</p>
Containing Use-Case(s)	<p><b>Included use cases:</b></p> <p><b>Extended use cases:</b></p>
Special Requirements:	<i>Actor is connected to Internet.</i>
Assumptions:	<i>If there is an assumption about the definition, it will be written</i>
Note:	

Use Case Number:	4		
Use Case Code:	PPD-UC-004		
Use Case Name:	Search Product		
Depicter:		Last Modificatory:	
Description Date:	01.04.2020	Last Modification Date:	01.04.2020

Actor(s):	Customer, Admin
Short Definition:	The actor searches one of the products
Pre-condition:	Actor is at the search page
Post-condition:	The system displays corresponding products
Priority:	High
Frequency of Occurrence:	It occurs when the actor wants to search for a product in the system.
Main Path:	<ol style="list-style-type: none"> <li>1. User begins to enter search product</li> <li>2. As characters of phrase are typed, the system responds with suggested search products that start with characters entered</li> <li>3. The system enters the highest-ranking suggested search product</li> </ol>

	into the search box where the user is typing. 4. User scrolls to the desired suggested product 5. User initiates the search 6. System responds with search results that match the search product
Alternative Path:	2A There are no high-ranking suggested search phrases for the characters the user has entered 1. The system gives no suggested search product 2. The user enters the remaining characters in the search product phrase and control returns to step 5 in the main path.  4A User decides to accept suggested search phrase in the search box. 1. User initiates search with suggested search product currently in search box.
Containing Use-Case(s)	<b>Included use cases:</b> <b>Extended use cases:</b>
Special Requirements:	<i>Searches should return results within 10 seconds.</i>
Assumptions:	<i>If there is an assumption about the definition, it will be written</i>
Note:	

Use Case Number:	5		
Use Case Code:	PPD-UC-005		
Use Case Name:	View and Evaluate Product		
Depicter:		Last Modificatory:	
Description Date:	01.04.2020	Last Modification Date:	03.04.2020

Actor(s):	Customer
Short Definition:	Customer wants to see what products they have in their cart
Pre-condition:	Customer is logged in.
Post-condition:	The customer viewed the product before submitting order
Priority:	High
Frequency of Occurrence:	It occurs when the customer wants to view product details or to make a comment.
Main Path:	1. Customer wants to see some products. 2. Customer clicks on the “view product” link 3. System presents an order form with the products added to their cart. 4. End use case
Alternative Path:	3A Customer makes a comment and rate the book. 1. Customer clicks submit button. 2. System gives a information message.

Containing Use-Case(s)	<b>Included use cases:</b> <b>Extended use cases:</b>
Special Requirements:	<i>Comment should be viewed in the screen after submitting it.</i>
Assumptions:	<i>Customer bought the book that wants to make a comment and rate</i>
Note:	

Use Case Number:	6		
Use Case Code:	PPD-UC-006		
Use Case Name:	Manipulating Books		
Depicter:		Last Modificatory:	
Description Date:	01.04.2020	Last Modification Date:	01.04.2020

Actor(s):	Admin
Short Definition:	The admin can add books to the system.
Pre-condition:	Admin is logged in.
Post-condition:	All changes are saved to the system.
Priority:	High
Frequency of Occurrence:	It occurs when the admin wants to add a new book to the system.
Main Path:	<ol style="list-style-type: none"> <li>1. The admin logs in.</li> <li>2. The admin clicks the “Manipulate Book” button which is on the navigation bar</li> <li>3. The admin clicks “add” button”</li> <li>4. Fills the information and select a category belongs to.</li> <li>5. The system saved the changes.</li> </ol>
Alternative Path:	3A Admin clicks “delete” button. <ol style="list-style-type: none"> <li>1. The system deletes the selected books.</li> </ol> 3B Admin clicks “update” button. <ol style="list-style-type: none"> <li>1. Admin can update information from the text field</li> </ol> 5A There could be a book which has same ISBN number with added <ol style="list-style-type: none"> <li>2. Admin enters again for a new ISBN number</li> </ol>
Containing Use-Case(s)	<b>Included use cases:</b> <b>Extended use cases:</b>
Special Requirements:	If the server does crash, a backup server will be up and running within an hour.
Assumptions:	
Note:	

Use Case Number:	7		
Use Case Code:	PPD-UC-007		
Use Case Name:	Manipulating Categories		
Depicter:		Last Modificatory:	
Description Date:	01.04.2020	Last Modification Date:	01.04.2020

Actor(s):	Admin
Short Definition:	The admin can add books to the system.
Pre-condition:	Admin is logged in.
Post-condition:	All changes are saved to the system.
Priority:	High
Frequency of Occurrence:	It occurs when the admin wants to add a new category to the system.
Main Path:	<ol style="list-style-type: none"> <li>1. The admin logs in.</li> <li>2. The admin clicks the “Manage Categories” button which is on the navigation bar.</li> <li>3. The admin clicks “Add category” button.</li> <li>4. Fills the information.</li> <li>5. The system saved the changes.</li> </ol>
Alternative Path:	3A Admin clicks the “Add a new subcategory” for a category <ol style="list-style-type: none"> <li>1. Fills the information.</li> <li>2. The system saved the changes.</li> </ol>
Containing Use-Case(s)	<b>Included use cases:</b> <b>Extended use cases:</b>
Special Requirements:	If the server does crash, a backup server will be up and running within an hour.
Assumptions:	<i>If there is an assumption about the definition, it will be written</i>
Note:	

Use Case Number:	8		
Use Case Code:	PPD-UC-008		
Use Case Name:	Add a Book to the Cart		
Depicter:		Last Modificatory:	
Description Date:	01.04.2020	Last Modification Date:	01.04.2020

Actor(s):	Customer
Short Definition:	The customer adds a book to the cart to purchase it.
Pre-condition:	Customer is logged in.
Post-condition:	The added book can seem on the “Cart” module.
Priority:	High
Frequency of Occurrence:	It occurs when the customer wants to buy a book.

Main Path:	<ol style="list-style-type: none"> <li>1. The customer wants a book.</li> <li>2. The customer clicks the “Detail” button on product card.</li> <li>3. The customer clicks the “Add to Cart” button.</li> </ol>
Alternative Path:	3A If the product is not available, customer receives an error message.
Containing Use-Case(s)	<b>Included use cases:</b> <b>Extended use cases:</b>
Special Requirements:	The book is added to cart in 4 second.
Assumptions:	
Note:	

Use Case Number:	9		
Use Case Code:	PPD-UC-009		
Use Case Name:	Confirm the Payment		
Depicter:		Last Modificatory:	
Description Date:	01.04.2020	Last Modification Date:	01.04.2020

Actor(s):	Customer
Short Definition:	The customer confirms the purchasing.
Pre-condition:	Customer is logged in and add some books to the card.
Post-condition:	The order appears on the “Order” module on the Admin Panel to be confirmed. On the customer side, the system shows a success message and return to main page.
Priority:	High
Frequency of Occurrence:	It occurs when the customer wants to buy a book.
Main Path:	<ol style="list-style-type: none"> <li>1. The customer clicks “Card” button.</li> <li>2. Clicks “Check Out” button on product card.</li> <li>3. Selects the payment method and cargo firm.</li> <li>4. Selects the addresses.</li> <li>5. Confirms the sales.</li> </ol>
Alternative Path:	2A Remove some product from card <ol style="list-style-type: none"> <li>1. Clicks “Check Out” button on product card.</li> <li>2. Selects the payment method and cargo firm.</li> <li>3. Selects the addresses.</li> <li>4. Confirms the sales</li> </ol>
Containing Use-Case(s)	<b>Included use cases:</b> <b>Extended use cases: View and Confirm Sales</b>



Special Requirements:	The orders are saved to the database server and the page turns to main page within 3 second
Assumptions:	
Note:	

Use Case Number:	10		
Use Case Code:	PPD-UC-010		
Use Case Name:	Compare Books		
Depicter:		Last Modificatory:	
Description Date:	01.04.2020	Last Modification Date:	01.04.2020

Actor(s):	Customer
Short Definition:	The customer compares two books of author and/or publisher, year, price, title, categories, and rates.
Pre-condition:	None
Post-condition:	Differences of these two books are shown in a card.
Priority:	Low
Frequency of Occurrence:	It occurs when the customer wants to compare a book with other.
Main Path:	<ol style="list-style-type: none"> <li>1. The customer clicks the “Compare” button for a book card.</li> <li>2. Clicks another “Compare” button for a book card.</li> <li>3. The system shows the differences of their author and/or publisher, year, price, title, categories, and rates.</li> </ol>
Alternative Path:	
Containing Use-Case(s)	<b>Included use cases:</b> <b>Extended use cases:</b>
Special Requirements:	The compare box should appear immediately after clicking the second book.
Assumptions:	There are products more than one.
Note:	

Use Case Number:	11		
Use Case Code:	PPD-UC-011		
Use Case Name:	View and Confirm Sales		
Depicter:		Last Modificatory:	
Description Date:	01.04.2020	Last Modification Date:	01.04.2020

Actor(s):	Admin
Short Definition:	The admin view and confirm or reject the sales.
Pre-condition:	The customer has confirmed a purchase.
Post-condition:	The sale is confirmed and be ready to be delivered.
Priority:	Medium
Frequency of Occurrence:	It occurs when the admin wants to see and confirm the sales.
Main Path:	<ol style="list-style-type: none"> <li>1. The admin clicks the “Order” button from the navigation bar.</li> <li>2. The orders are visualized on the main page.</li> <li>3. The admin clicks “Confirm” button for an “Order” to confirm the sale</li> </ol>
Alternative Path:	3A Admin clicks “Deny” button to rejection of the sale.
Containing Use-Case(s)	<b>Included use cases:</b> <b>Extended use cases:</b>
Special Requirements:	
Assumptions:	
Note:	

Use Case Number:	12		
Use Case Code:	PPD-UC-012		
Use Case Name:	View Deliveries		
Depicter:		Last Modificatory:	
Description Date:	01.04.2020	Last Modification Date:	01.04.2020

Actor(s):	Customer, Admin
Short Definition:	All deliveries can be viewed by admin. Customers can view their own deliveries.
Pre-condition:	The customer/admin must be logged in.
Post-condition:	Related deliveries are shown to users.
Priority:	Medium
Frequency of Occurrence:	It occurs when users want to see related deliveries.

Main Path:	<ol style="list-style-type: none"> <li>1. Customer clicks “Profile” button on the Navigation bar.</li> <li>2. Selects “Deliveries”</li> <li>3. System directs Deliveries page</li> <li>4. System shows deliveries of the customer</li> </ol>
Alternative Path:	<p>1A. Admin views deliveries</p> <ol style="list-style-type: none"> <li>1. Admin clicks “Deliveriey Situations” on the Navigation bar</li> <li>2. System directs Deliveries page</li> <li>3. System shows all deliveries with customer information</li> </ol>
Containing Use-Case(s)	<p><b>Included use cases:</b></p> <p><b>Extended use cases:</b></p>
Special Requirements:	Deliveries must be shown within 3 seconds.
Assumptions:	There are products in delivery list.
Note:	

Use Case Number:	13		
Use Case Code:	PPD-UC-013		
Use Case Name:	Send Email		
Depicter:		Last Modificatory:	
Description Date:	01.04.2020	Last Modification Date:	01.04.2020

Actor(s):	Admin
Short Definition:	The admin can send e-mail to registered customers
Pre-condition:	Admin must be logged in. Customer must be registered.
Post-condition:	E-mail is sent to customer.
Priority:	Low
Frequency of Occurrence:	It occurs when the admin wants to send mail to customer.
Main Path:	<ol style="list-style-type: none"> <li>1. Admin clicks “Send” button on the Navigation bar</li> <li>2. System directs admin to e-mail page</li> <li>3. Admin selects user to send email</li> <li>4. Admin compose the e-mail</li> <li>5. Admin clicks the “Send” button</li> </ol>
Alternative Path:	
Containing Use-Case(s)	<p><b>Included use cases:</b></p> <p><b>Extended use cases:</b></p>
Special Requirements:	

Assumptions:	There must be one or more customers in the system.
Note:	

Use Case Number:	14		
Use Case Code:	PPD-UC-014		
Use Case Name:	Manipulate Customer Information		
Depicter:		Last Modificatory:	
Description Date:	01.04.2020	Last Modification Date:	01.04.2020

Actor(s):	Admin
Short Definition:	Admin can view all information about customers.
Pre-condition:	Admin must be logged in. Customer must be registered.
Post-condition:	The sale is confirmed and gotten ready to be delivered.
Priority:	Low
Frequency of Occurrence:	It occurs when the admin wants to see customers' information.
Main Path:	<ol style="list-style-type: none"> <li>1. Admin clicks "Manage Users" button on the Navigation bar</li> <li>2. System directs admin to Users page</li> <li>3. Admin clicks "Update" button</li> <li>4. Admin changes information about customers</li> <li>5. Admin submits the changes</li> <li>6. System updates user's record in database.</li> <li>7. System gives information message to admin</li> </ol>
Alternative Path:	<p>3A. Admin clicks "Remove" button</p> <ol style="list-style-type: none"> <li>1. Admin selects the user will be removed</li> <li>2. Admin removes the selected user</li> <li>3. System removes from table in database</li> <li>4. System gives information message to admin</li> </ol> <p>3B. Admin clicks "Add" button</p> <ol style="list-style-type: none"> <li>1. Admin gives the necessary information to register a user</li> <li>2. User clicks "Submit" button</li> <li>3. System adds new user to users' table in database</li> <li>4. System gives information message to admin</li> </ol>
Containing Use-Case(s)	<b>Included use cases:</b> <b>Extended use cases:</b>
Special Requirements:	Manipulations are recorded to database within 3 seconds.
Assumptions:	There must be one or more customers in the system.
Note:	

Use Case Number:	15
Use Case Code:	PPD-UC-015

Use Case Name:	Manipulate Cargo Firm		
Depicter:		Last Modificatory:	
Description Date:	01.04.2020	Last Modification Date:	01.04.2020

Actor(s):	Admin
Short Definition:	Admin can add, delete, or update all information about cargo firms.
Pre-condition:	Admin must be logged in.
Post-condition:	The changes about cargo firms can be seen in checkout screen from customers
Priority:	Low
Frequency of Occurrence:	It occurs more frequently when the admin wants to add a new cargo firm to the system.
Main Path:	<ol style="list-style-type: none"> <li>8. Admin clicks “Manage Cargo Firm” button on the Navigation bar.</li> <li>9. System directs admin to Manage Cargo Firm page.</li> <li>10. Admin clicks “Update” button.</li> <li>11. Admin changes information about customers.</li> <li>12. Admin submits the changes.</li> <li>13. System updates cargo firm’s record in database.</li> <li>14. System gives information message to admin.</li> </ol>
Alternative Path:	<ol style="list-style-type: none"> <li>3A. Admin clicks “Remove” button</li> <li>5. Admin selects the cargo firm will be removed.</li> <li>6. Admin removes the selected cargo firm.</li> <li>7. System removes from table in database.</li> <li>8. System gives information message to admin.</li> <li>3B. Admin clicks “Add” button</li> <li>5. Admin gives the necessary information to register a cargo firm</li> <li>6. User clicks “Submit” button</li> <li>7. System adds new user to cargo firm’s table in database</li> <li>8. System gives information message to admin</li> </ol>
Containing Use-Case(s)	<b>Included use cases:</b> <b>Extended use cases:</b>
Special Requirements:	Manipulations are recorded to database within 3 seconds.
Assumptions:	There must be one or more customers in the system.
Note:	