

Project: eArtshop: Use Case Description

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Use Case Number: 1		
Name: Register Customers		
Brief description: This use case allows Customers to create an account		
Actors: Customer/s		
Preconditions		
-The customer should not have an account before		
Flows of Events:		
1. Basic Flows		
1.1.0 Register Customers		
Step	User Actions	System Actions
1	The Customer calls the register/sign up command	The system displays the form with the fields for first name, last name, email address and password.
2	The Customer fills out the form and requests the system to save the details and create an account.	The system verifies that there's no other profile in the database with the same email address and username and returns the success message on success or a fail message in case of failure. In case another profile exists with the email address and/or the username the system returns the message indicating the email address and/or username already exists.
Postconditions		
The customer profile is persisted in the system		
Business Rules		
No duplicate email address and/or username profiles.		
The password should at least be 6 characters and must include at list one number.		

Use Case Number: 2		
Name: Manage the cart		
Brief description: This use case allows a client to add, update and remove an item to its cart		
Actors: client/customer		
Preconditions		
Flows of Events:		
1. Basic Flows		
1.1 Add items to the cart		
Step	User Actions	System Actions
1	The client lists items of a given category	The system displays a list of items that the user has selected.
2	The client filters list of items	The system applies the filter parameters to the list of items.
3	The client selects to view item	The display all the information of the item.
4	The client adds an item to its cart along with some characteristic such as the number of copies, size, ...	Update the Content of the cart by adding an item.
Postconditions		
Client cart will have one more item		
Business Rules		
The number of copies of the item has to be greater than 0		
1.2 Update Item of the Cart		
Step	User Actions	System Actions

1	The customer selects to view a list of items in the cart	The system returns a list of all items in the cart.
2	The customer selects to view as item of the cart	The system returns the items information.
3	The customer validates new characteristic (for instance the number of copies, size, ...)	The system updates the content of the cart by changing characteristic of the item
Postconditions		
The customer cart will be updated		
Business Rule		
1.3 Delete Item from the cart		
Step	User Actions	System Actions
1	The customer selects to view a list of items in the cart	The system returns a list of all items in the cart.
2	The customer selects to view as item of the cart	The system returns the items information.
3	The customer validates to remove the item from the cart	The system updates by removing the item.
Postconditions		
The item profile will be removed from the cart.		
Business Rule		

Use Case Number: 3	
Name:	Checkout items
Brief description:	This use case allows a customer to checkout the items added in its cart
Actors:	Customer

Preconditions		
<ul style="list-style-type: none"> - The customer must have items in his shopping carts. - The customer has been already registered 		
Flows of Events:		
Step	User Actions	System Actions
1	The customer request to checkout	The system present billing and shipping information that customer already stored
2	The customer confirm that the billing and shipping information can be used for this order.	The system presents the order summary to the customer.
3	The customer confirm that the order summary is accurate.	The system presents the list of items with estimate delivery date.
4	The customer place the order.	The system submits the order and send a confirmation email to the user.
Postconditions		
<ul style="list-style-type: none"> - The order is placed in the system. - A receipt has been generated - An email has been sent to the customer 		
Business Rules		

Use Case Number: 4		
Name: Return Order		
Brief description: This use case allows the customers to return the orders they made.		
Actors: Customer		
Preconditions		
The Customer must be logged into the system		
Flows of Events:		
1. Basic Flow		
Step	User Actions	System Actions
1	The Customer calls the Order history command	The system returns list of purchased orders.
2	The Customer calls out the return command	-The system verifies the eligibility for the return item and returns the return label in case of success or return failure message indicating the item cannot be returned. -After receiving the item, system confirmed refund and send confirmation email to the customer.
Postconditions		
Change the status of the item in the system.		
Business Rules		
<ul style="list-style-type: none"> - Item should be returnable - Item should be returned with in 30 days from the day its purchased. - Item should be in the same condition as they purchased. 		