

UC4 :: Add to shopping cart

Overview

The buyer adds a selected item to the shopping cart. The item will be retained within the list of items in the cart such that it is available when the buyer has finished shopping and wishes to pay for their goods.

Properties

Trigger A buyer see a product or service that they wish to purchase.

Goal To add the selected product to the shopping cart.

Primary Actor Buyer

Pre-Requisites The buyer shall be [UC1] logged on and be in the process of [UC6] viewing a product.

Success Outcome The buyer will have add the selected item to the shopping cart and be able to continue with their shopping.

Failure Outcome The merchant will not have been able to add the item to the shopping cart - the system will have generated error messages and advice as to the appropriate recourse should they still wish to purchase the item.

Priority 2

Complexity 3

target release release-1

Trace from [UC6] View Products

Trace to [UC6] View Products; [UC5] Checkout

Package order

Basic Flow

1. The buyer **the product [RQ25]** they wish to add to the **shopping cart [RQ26]** .
2. The buyer selects the "add to cart" option
3. The shopping cart is **updated [RQ19]** with new product.
4. The **value [RQ18]** of all the items is re-calculated and displayed to the buyer in their **own currency [RQ14]** .
5. The buyer can [UC6] continue to browse the products or [UC5] pay for the items that are in the shopping cart.
6. The use-case ends.

Alternative Flows

Product already in shopping cart

At step 3 of the Main flow when Shopping cart already contains product

1. As the item is already present in the shopping cart, the **quantity of the product is incremented by one [RQ20]** .

2. The flow of events continues from step 4 of the Main flow.

Specific Requirements

- [RQ25] **Select products for purchase** : The system shall allow the buyer to select products for purchase (agreed)
- [RQ26] **Shopping Cart** : The system shall support the concept of a user's shopping cart such that zero or more items can be stored for purchase. (agreed)
- [RQ19] **Shopping cart default quantities** : When products are added to the cart the system shall assume a quantity of 1 (one) is required. (agreed)
- [RQ18] **Shopping cart running total** : The application shall calculate a running total of all the products in the shopping cart. This will not include shipping or gift wrap costs. (agreed)
- [RQ14] **Multi-currency support** : The application shall support multiple-currencies. (agreed)
- [RQ20] **Product already in cart** : When a product that already exists is added to the shopping cart, the system shall increment the quantity by 1 (one). (proposed)
- [RQ27] **Permission based controls** : The system shall only allow access to functions that are associated with the permissions of the current user. (agreed)

Activity Diagram

