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# Use Case: Buy Device

## Main Flow

## The customer selects Buy device from the main menu.

## The system shows the list of devices available, indicating their **name**, **brand**, **model**, **color** and **price**.

## The customer selects the devices wanted that are included in the buying cart updating the total price depending on the price for buying the selected devices.

## The customer selects buy devices if there is at least one device selected for being bought.

## The system shows the **TotalPrice** and the **TotalQuantity** with the devices selected indicating their **name, brand**, **model, colour** and **purchasePrice** and requests the customer to input the **name**, **surname**, **delivery** address, **payment method** (credit card, paypal) and **quantity** of each device being all of them **mandatory** fields, as well as a brief **description (optional)** telling why are they buying each device.

## The customer fills in such data and chooses the Save option.

## The system shows the **purchase** performed, indicating customer's data (Name and Surname), delivery address, when the purchase was made, its **TotalPrice, TotalQuantity** and the devices bought (brand, model, colour and price).

## Alternative flow 0 - to step 2

If the system detects that there are no devices available, it will warn the user.

## Alternative flow 1 - to step 2

2.1 The system offers the customer the alternative to filter the devices according to their name and/or colour.

2.2 The customer selects those filters he is interested in.

2.3 The system shows those devices that satisfied only the selected filters.

## Alternative flow 3 - to step 5

The customer selects to modify the buying cart deleting any of the devices he is not interested in. Automatically the system will update the total price of the buying cart considering the price of buying the selected devices.

## Alternative flow 4- to step 4

If the system detects there are not devices in the buying cart the buying option to continue the process won’t be available.

## Alternative flow 5 - to step 7

If the system detects that any mandatory data have not been filled, it returns to step 5.

## Alternative flow 6 - to step 7

The customer selects to modify the selected devices. The system will return to step 2 keeping any data already introduced by the customer.

## Pre-condition

The customer must be logged in the system to start the use case.

Class Diagram:

