**Use Case:** Search product

**Scope:** SmartCart

**Level**: User Goal (Sea Level)

**Primary Actor:** Customer

**Final Actor:** Customer

**Stakeholders** : Customer, OpenFoodFacts API

**Brief**: “As a customer, I want to find information of a single product I know rapidly, so I can understand if it’s healthy*”*

**Pre-conditions**:

1. The customer has logged in.
2. The customer has provided the name of desired product.

**Post-conditions:**

***Minimal Guarantees:***

***Success Guarantees:*** The System provides the interested item’s info.

**Basic flow**:

1. The System checks if the customer has a premium account, then finds out that the account is premium.
2. The System asks OpenFoodFacts API about all the products inherent to the provided product name.
3. OpenFoodFacts API answers with all the found products.
4. The System receives at least 1 product, then provides them.
5. The customer selects a product from the given ones.
6. The System asks OpenFoodFacts API for information about the selected product.
7. The OpenFoodFacts API answers with the information required.
8. The System provides these info to the customer.

**Triggers**:

**Extensions**:

1a. Not premium:

1. The System checks if the customer has a premium account, then finds out that the account is not premium.
2. The System informs the customer that this functionality needs a premium account, then stops.

4a. Cannot find any product:

1. The System receives no product, then informs the customer that no products related to the given name has been found; then stops.