**Use Case:** Show nearest supermarkets

**Scope:** HealthyCart

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

**Primary Actor:** Customer

**Final Actor:** Customer

**Stakeholders** : Customer, GeoLocalization API

**Brief**: “*As a customer, I want to know the nearest supermarkets, so I can save my time.”*

**Pre-conditions**: The user has given the interested location.

**Post-conditions:**

***Minimal Guarantees:***

***Success Guarantees:*** A list of supermarkets is presented ordered by distance.

**Basic flow**:

1. The System asks the GeoLocalization API about which supermarkets are situated around the given location.
2. The GeoLocalization answers with the 5 closest supermarkets to the given location.
3. The System receives the info about the 5 closest supermarkets.
4. The System orders the received supermarket info by distance.
5. The System provides these information to the customer.

**Triggers**:

**Extensions**:

2a. Address not found:

1. The GeoLocalization can’t find the address and answers with no supermarkets.
2. The system informs the customer that the provided address cannot be found, then stops.

2b. Cannot find any supermarket:

1. The Geolocalization can’t find any near supermarkets and answers with no supermarkets.
2. The system informs the customer that the provided address has not any near supermarket, then stops.