**Use Case:** Show nearest supermarkets

**Scope:** SmartCart

**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 answers with no supermarkets.
2. The system informs the customer that the provided address cannot be found, then stops.