User Requirement Specification

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synthesis assignment

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# Introduction

Robert Heijn B.V. is a company that specializes in selling various types of groceries and household goods. I wish to develop a web application that helps customers order products online as well as a desktop application that allows employees to manage the catalogue.

# Agreements

The following agreements with the client have been made:

1. The deadline is on Friday the 23rd of December at 16:00
2. The software solution must enable the customers to place orders online
3. The customers should be able to retrieve previously made orders with the details

# Requirements

## Functional requirements

* FR-01: Manage the catalogue with items (groceries and goods)  **M**
* FR-02: Support process of placing an order **M**
* FR-03: Specifying delivery option **M**
* FR-04: Status of the order **M**

## Non-functional requirements

* NFR-01: Maintainable and extendable
* NFR-02: Bug free solution
* NFR-03: Secure software

# Use cases

**UC-01:** Actor adds a new item

**Requirement(s):** FR-01  
**Actor:** Employee  
**Pre-condition:** Actor needs to be logged in

**Main success scenario:**

1. Actor goes to item form
2. System requests for item information
3. Actor fills in all the required information and confirms
4. System confirms a new item has been added and shows confirmation message

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**UC-02:** Buy product(s) in shopping basket

**Requirement(s):** FR-02, FR-03  
**Actor:** Customer

**Main success scenario:**

1. Actor goes to check out and confirms
2. System requests for shipping information
3. Actor fills in shipping information and confirms
4. System shows delivery options
5. Actor check a delivery option and confirms
6. System shows time slots
7. Actor selects a time slot and confirms
8. System shows full pricing information
9. Actor fills in payment information and confirms
10. System confirms the payment was successful and shows confirmation message

**Extensions:**

1a: No products are in the shopping basket  
 .1: System displays an empty shopping cart message  
 .2: End of use case

2a: Actor is logged in and has added their address  
 .1: System displays saved shipping information  
 .2: Return to MSS step 4

7a: There are already 5 orders placed on the selected time slot  
 .1: System displays that the selected time slot is full and that the actor has to select  
 a different time slot.  
 .2: Return to MSS step 6

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**UC-03:** Add item(s) to shopping basket

**Requirement(s):** FR-02  
**Actor:** Customer

**Main success scenario:**

1. Actor goes to shop page
2. System shows all items
3. Actor clicks on add to basket for the item they would like to buy
4. System shows item was successfully added to basket

**Extensions:**

2a: Actor wants to view item details  
 .1: Actor clicks on an item  
 .2: System shows item details  
 .3: Return to MSS step 3

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**UC-04:** Actor changes status of order

**Requirement(s):** FR-04  
**Actor:** Employee  
**Pre-condition:** Actor needs to be logged in

**Main success scenario:**

1. Actor goes to order form
2. System shows all orders
3. Actor selects an order
4. System shows order information
5. Actor selects a different status of an order
6. System confirms the status of the selected order has been changed

**Extensions:**

5a: Actor changes the status of an order of finished to something else  
 .1: System displays message that it is not possible to change the status of a finished order  
 .2: End of use case

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**UC-04:** Actor tracks status of an order

**Requirement(s):** FR-04  
**Actor:** Customer  
**Pre-condition:** Actor needs to be logged in

**Main success scenario:**

1. Actor goes to order history page
2. System shows all orders
3. Actor selects the order that they want to track
4. System displays all the information of the order including the order status