Document containing the processed requirements of the client

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User Requirement Specifications

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# Client Agreements

Through my client meetings with Mrs. Chua Jessie, we have agreed to adhere to the following:

* Meetings will occur every Tuesday at 9.00 early in the morning
* Any change to the project should be discussed in any of those meetings
* The requirements for this application should be FR-05 (Advertisement) and FR-09 (Favourite List)

# Non-functional requirements

### NFR-1

Maintainable and extendable  
Proper OO principles must be applied to ensure good maintainability and extensibility of the   
code base.

### NFR-2

Bug free system   
Appropriate testing techniques must be used when implementing the system to ensure   
proper functioning and delivering of a bug free application

### NFR-3

Secure software   
Only authorized people may make use of the system and can only access data they are   
authorized for. Passwords and user input must also be handled appropriately.

# Functional requirements

Any new requirements that could be implemented should the timeslot allows, must be discussed with the client prior to implementation.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Importance | Category | ID | Title | Description |
| Must |  | FR-1 | Manage the catalogue with items (groceries and goods) | Employees at the back office must be able to manage (perform CRUD operations) the items  of the company’s inventory. Make sure to include the information given in Process of Managing item (grocery and goods) information Phase 1. |
| Must |  | FR-2 | Support of placing order process | When a customer is interested in buying items online, they can visit the website of the company and place an order. Make sure to at least follow the information given in Placing an order Phase 2. |
| Must |  | FR-5 | Advertisement | Based on certain market analysis, employees at the back office must be able to put advertisement for selected items. An employee needs first select popular items, specify discount (bonus), the discount week (start and end dates), and then put them on an advertisement page. |
| Must |  | FR-9 | Favourite list of items | Extend the solution to also allow customers to select items and add them into the favourite list. A customer should be able to move all, some or one item from the favourite list to the  shopping cart for next purchase. |

## Use cases

### UC-01 - Logging in

Actor – Employee

#### Main Success Scenario

1) Actor enters correct email in the login page

2) Actor enters correct password in the login page (interchangeable with step 1)

3) Actor logs in

4) System verifies if the credentials are correct and proceeds to show logged-in-user content.

#### Extensions

1a) Actor enters an incorrect email not matching the password which will be entered in step 2.

.1 display invalid information message.  
.2 return to MSS step 1

2a) Actor enters an incorrect password not matching the email which will be entered in step 1.

.1 display invalid information message.  
.2 return to MSS step 2.

### UC-02a – Place Order

Actor – Customer

#### Main Success Scenario

1) Actor chooses an item from a list

2) System adds to shopping cart chosen item

3) Actor repeats 1) until actor is satisfied

4) Actor goes to his shopping cart and places the order

5) System verifies data from shopping cart

#### Extensions

1a) Actor skips step 1) and goes directly to 4)

.1 display message saying “Cart is empty”.  
 .2 return to MSS step 1.

### UC-02b – Edit Order

Actor – Customer

#### Main Success Scenario

1. Actor already has some items in the shopping cart
2. Actor removes item from Shopping Cart
3. System removes the item from the shopping cart
4. Actor places the order
5. System verifies data from the shopping cart

#### Extensions

1a) Actor skips step MSS 1. and 3. and goes directly to 4.

.1 Proceeds to step MSS 4. and checks

.2 If true finishes scenario

.3 If false, display message saying “Cart is empty”.

.4 return to MSS step 1.

### UC-03a – Adding a new product

Actor – Employee

#### Main Success Scenario

1) Actor enters product

2) Actor enters product category

3) Actor enters product sub-category

4) Actor enters product price

5) Actor enters product unit

6) Actor creates the product

7) System verifies if the data is correct and stores the product information if so

#### Extensions

1a) Actor does not enter a product data

.1 display invalid information message.  
 .2 return to MSS step 1.

### UC-03b – Edit product data

Actor – Employee

#### Main Success Scenario

1. Actor selects product from list
2. System fills the form with the product data

3) Actor changes desired data

4) Actor changes the product

5) System verifies if the data is correct and stores the product information if so

#### Extensions

1a) Actor does not enter a product name

.1 display invalid information message.  
 .2 return to MSS step 1.

### UC-03c – Mark product as unavailable

Actor – Employee

#### Main Success Scenario

1) Actor selects product from list

2) Actor marks product

3) System proceeds to mark product data as invalid

#### Extensions

1a) Actor does not choose a product  
 .1 display invalid information message.

.2 return to MSS step 1.

Should the marked product be in customers order it will still be delivered to those customers but new customers will not be able to buy it.

### UC-04a – Create a user

Actor – User

#### Main Success Scenario

1) Actor enters user name

2) Actor enters user email address

3) Actor creates the user

4) System verifies if the credentials are correct and proceeds to add the data about the employee.

#### Extensions

1a) Actor enters an email that already exists.

.1 application returns multiple users with the same name.  
 .2 continue to step MSS 4.

2a) Actor does not enter any name.  
 .1 display invalid information message  
 .2 continue to MSS step 4.

3a) Actor does not enter any email.

.1 display invalid information message

.2 continue to MSS step 4

### UC-04b – Edit an employee

Actor – Employee

#### Main Success Scenario

1. Actor selects an employee from a list
2. Actor presses button saying “Edit”
3. Actor changes information about the employee
4. Actor changes the user
5. System verifies if the credentials are correct and stores the information if so

#### Extensions

1a) Actor enters a name that already exists.

.1 application returns multiple employees with the same name.  
 .2 continue to step MSS 4.

2a) Actor does not enter any name.  
 .1 display invalid information message  
 .2 continue to MSS step 4.

3a) Actor does not enter any email.

.1 display invalid information message

.2 continue to MSS step 4

### UC-05a – Add item to Favourite list

Actor – Customer

#### Main Success Scenario

1. Actor is logged in
2. Actor adds a product from the list
3. System proceeds to adding a product data as a favourite

#### Extensions

1a) Item already exists in the favourite list.  
 .1 display message “Already in the favourites”.  
 .2 return to MSS step 1.

1a) Actor is not logged in

.1 display message Not logged in  
 .2 return to MSS step 1.

### [UC-05b –](#_FR-5) Remove item from Favourite list

Actor – Customer

#### Main Success Scenario

1) Actor presses the button “Remove from Favourite” in the Favourites tab page

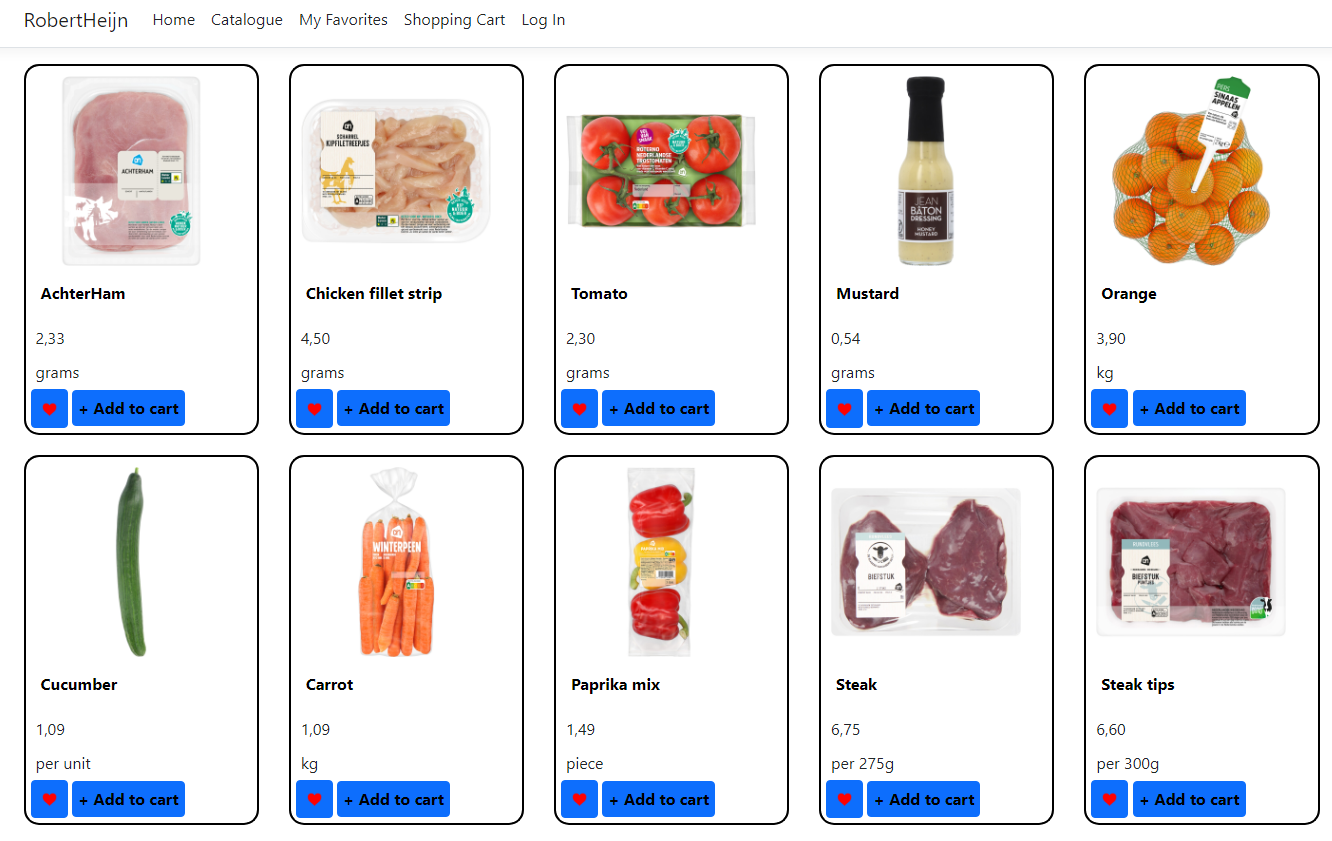
2) System verifies the information and add them to the database.

#### Extensions

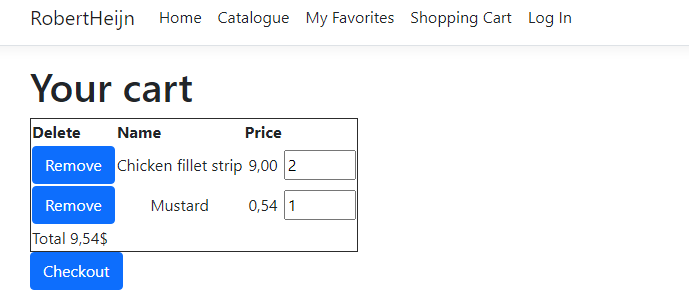
1a) System is unable to verify the credentials due to communication issues with the backend.  
 .1 display connection error message.  
 .2 return to MSS step 2.

### Screen prints and webpage

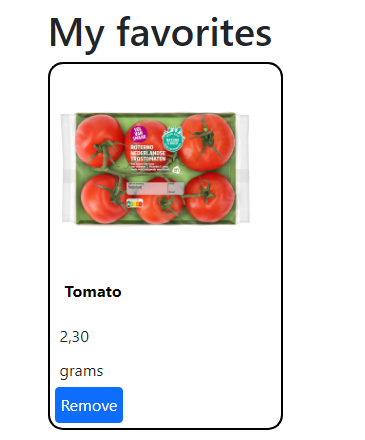
#### Catalogue



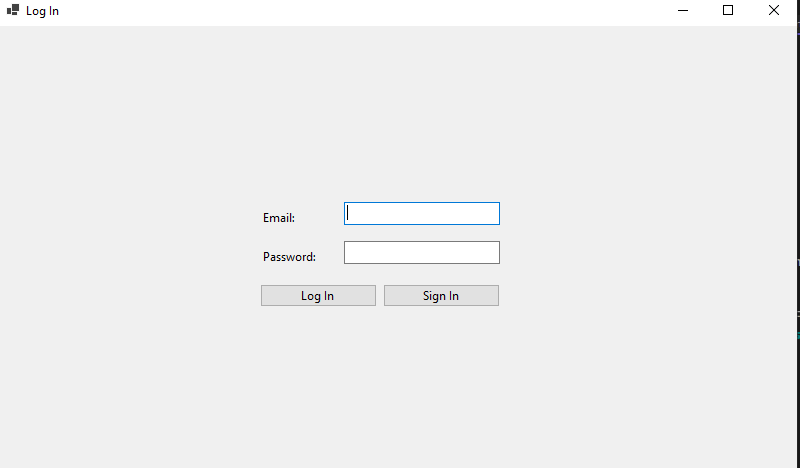
#### Cart



#### Favourites



#### Log in for the Employees



Add a new product

#### Add Product

