User Requirements Specifications

Shape

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# Client agreements

Through our client meetings, we have agreed to adhere to the following:

* The team will work 4 hours per day

# 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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Importance | Category | ID | Title | Description |
| Must | Employees | FR-1 | Product management | An employee must be able to manage products and stocks. |
| Should |  |  |  |  |
| Must |  |  |  |  |
| Must |  |  |  |  |
| Could |  |  |  |  |

# Use cases

## UC-01 Create account

Actor: Customer

Conditions: None

Main success scenario(MSS)

1. Actor inputs their required information.
2. The system verifies the credentials and redirects user to main page.

Extensions:

1a) Actor enters invalid or missing credentials.

1. The system notifies the actor that the credentials are invalid.
2. Return to MSS step 1.

## UC-02 Logging in

Actor: Customer / Sneaker Wave staff member

Conditions: None

Main success scenario(MSS)

1. Actor inputs their username and password
2. The system verifies the credentials and grants access to the staff member by showing the main view

Extensions:

1a) Actor enters invalid credentials.

1. The system notifies the actor that the credentials are invalid.
2. Return to MSS step 1.

## UC-03 Adding a new product

Actor: Sneaker Wave stock management employee

Conditions:

* Must have logged in
* Must have navigated to the “add product” view on the desktop application

Main success scenario(MSS)

1. Actor fills in data to create a new product and confirms.
2. System stores the product information and notifies the actor that the product has been successfully added.

Extensions:

1a) Actor enters invalid or missing data

1. The system notifies the actor that there is invalid or missing data.
2. Continue to MSS step 1.

## UC-04 Remove product

Actor: Sneaker Wave stock management employee

Conditions:

* Must have logged in
* Must have navigated to the “products” view on the desktop application

Main success scenario(MSS)

1. Actor selects product from products list.
2. System displays options menu(update, remove, etc.).
3. Actor choses “remove” option and confirms.
4. System notifies user that the product has been removed.

## UC-05 Edit an existing product

Actor: Sneaker Wave stock management employee

Conditions:

* Must have logged in
* Must have navigated to the “edit product” view on the desktop application

Main success scenario(MSS)

1. Actor double clicks on a product from the product list.
2. System displays “edit product” form.
3. Actor fills in new product data and confirms.
4. System stores the product information and notifies the actor that the product has been successfully edited.

Extensions:

1a) Actor enters invalid or missing data

1. The system notifies the actor that there is invalid or missing data.
2. Continue to MSS step 1.

## UC-06 See product information

Actor: Sneaker Wave customer

Conditions:

* Must have navigated to the “Index” page on the web application

Main success scenario(MSS)

1. Actor click on a product from the product list.
2. System displays available product information.

Extensions:

2a) Product is not available.

1. System displays “product not available” message.
2. Return to MSS step 2.

## UC-07 Add product to shopping cart

Actor: Sneaker Wave customer

Conditions:

* Product is available.

Main success scenario(MSS)

1. Actor clicks on a product from the product list.
2. System displays product information.
3. Actor selects size and quantity and confirms.
4. System adds product to the shopping cart.

Extensions:

3a) Actor does not input quantity.

1. System notifies actor that quantity has to be inputted.
2. Return to MSS step 3.

## UC-08 View items in the shopping cart

Actor: Sneaker Wave customer

Conditions:

* There are items added to the shopping cart.

Main success scenario(MSS)

1. Actor navigates to the shopping cart page.
2. System displays all the items from the shopping cart.

Extensions:

2a) There are no items in the shopping cart.

1. System displays “There are no items in the shopping cart” message.
2. Return to MSS step 1

## UC-09 Send order

Actor: Sneaker Wave customer

Conditions:

* There are items in the shopping cart.

Main success scenario(MSS)

1. Actor navigates to the shopping cart page.
2. System displays all the items from the shopping cart.
3. Actor confirms
4. System displays checkout page.
5. Actor fills in address and confirms.
6. System displays payment page.
7. Actor fills in payment data and confirms.
8. System displays confirmation message.

Extensions:

2a) There are no items in the shopping cart.

1. System displays “There are no items in the shopping cart” message.
2. Return to MSS step 1.

5a) Address data is not valid.

1. System displays error message.
2. Return to MSS step 5.

7a) Payment data is not valid.

1. System displays error message.
2. Return to MSS step 7.