

**User Requirements Specifications Document**

**Date:** 19.09.2023

**Group:** 3-3

**Version:** Version 1.0

**Agreements/decisions:**

* The client wants a desktop application for management and administration, as well as a website for employees
* The shifts will be assigned by the management
* The admin creates new employees
* Shifts will last 7 hours
* Some employees will work 1 hour before opening or after closing the shop, in order to help with restocking

**Functional requirements:**

o FR-01: An administrator should be able to assign shifts

o FR-02: An employee should be able to create restock requests

o FR-03: An administrator should be able to add or remove an employee

o FR-04: An employee should be able to view and modify their personal details

o FR-05: Employees should be able to login and see their shifts

o FR-06: Administrators should be able to perform CRUD functionalities on database

o FR-07: Managers and administrators should be able to login to the app

o FR-08: Managers and administrators should be able to search for an employee

o FR-09: Multiple departments can be introduced in the expansion of the system

**Non-functional requirements:**

o NFR-01: Our program will need low maintenance

o NFR-02: Our program will be used only by the logged in users, making it secure as there isn’t any connection for the outside users.

o NFR-03: Our system will have a database to store data for the website and app.

o NFR-04: Our system will be easy to use for administration/management/ employees

o NFR-05: Our system will be bug-free and administration/management/ employees can use it without it breaking down

**Use Cases:**

· UC-01

*Use case:* Login to the website

*Actor:* Employee

*Main Success Scenario:*

1. Actor provides information on the login page and confirms

2. System transfers a user to the landing page of the website

*Extensions:*

1a. The login details are incorrect

1. System displays an incorrect data message

2. An actor clicks on the button “Forgot password”

3. System transfers to a “Reset password” page

4. An actor provides information

5. Reset code is sent

6. End of use case

1b. No login details are provided

1. System highlights text boxes that need to be filled

2. End of use case

· UC-02

*Use case:* Employee sees their shift

*Actor:* Employee

*Main Success Scenario:*

1. Actor clicks the Schedule button

2. User is transferred to the Schedule page which has a planning for the next week

3. End of use case.

*Extensions:*

1a. The actor doesn’t have any shifts allocated

1. System displays a message “No shifts found.”

2. The actor gets taken back to the Schedule page.

3. End of use case.

· UC-03

*Use case:* Employee wants to modify their personal data

*Actor:* Employee

*Main Success Scenario:*

1. Actor clicks the Profile button

2. Actor gets taken to the Profile page where he can see his personal data

3. Actor clicks the “Modify” button

4. Actor inputs the new data into the text boxes

5. System modifies the actor’s data accordingly

6. End of use case.

*Extensions:*

4a. The actor inputs invalid data into the text boxes

1. System displays a message “Invalid data, please try again.”

2. The actor has to press the “Modify” button again

3. End of use case.

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· UC-04

*Use case:* An employee wants to create a restock request.

*Actor:* Employee

*Main Success Scenario:*

1. The actor goes onto the “Stock” page.

2. The actor presses the “Create restock request” button

3. The system displays a form where the actor can fill in the required information for the restock request

4. The request is sent to the Warehouse

5. End of use case.

*Extensions:*

3a. The inputted data exceeds the amount of stock left in the Warehouse

1. The system displays a message “Insufficient stock left in the warehouse.”

2. The actor may contact the warehouse workers to announce the message.

3. End of use case.

3b. The actor requests exceeds the amount of stock that can come in the shop once.

1. The system displays a message “Too much stock requested.”

2. The actor may try to request less stock at a time.

3. End of use case.

· UC-06

*Use case:* Administration assigns shifts to employees

*Actor:* Administrator

*Main Success Scenario:*

1. Actor clicks button schedule

2. The system shows a page with already assigned shifts for employees

3. Actor clicks on the button add shift

4. Actor chooses the type of shift and the employee to assign a shift and clicks proceed

5. System confirms assigning the shift and updates the schedule with the added information

*Extensions:*

2a. The schedule is empty

1. System displays that there are no shifts assigned

2. End of use case

4a. There are no employees in the system

1. System shows the message that there are no employees, so assigning shift is impossible

2. Actor clicks on the button back

3. End of use case

· UC-07

*Use case:* Employee calls in sick

*Actor:* Employee

*Main Success Scenario:*

1. Actor clicks “Shifts” button

2. System transfers an actor to the schedule page

3. Actor clicks button “Cancel shift”

4. Actor chooses a reason for canceling a shift as “Sick”

5. System displays a form where the actor can select its period of being sick

6. The sick request gets sent to the system

7. The system sends an announcement for taking an extra shift with a money bonus

8. End of use case.

*Extensions:*

5a. The actor chooses a period that is too long

1. System displays a message “The chosen period is too long. Contact the manager.”

2. Actor gets taken back to the Schedule page.

3. End of use case.