

**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:**

* FR-01: An employee should be able to login to the website
* FR-02: An administrator should be able to assign shifts
* FR-03: An employee should be able to create restock requests
* FR-04: An administrator should be able to add or remove an employee
* FR-05: An employee should be able to view and modify their personal details
* FR-06: Employees should be able to login and see their shifts
* FR-07: Administrators should be able to perform CRUD functionalities on database
* FR-08: Managers and administrators should be able to login to the app
* FR-09: Managers and administrators should be able to search for an employee
* FR-10: Multiple departments can be introduced in the expansion of the system

**Non-functional requirements:**

* NFR-01: Our program will need low maintenance
* 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.
* NFR-03: Our system will have a database to store data for the website and app.
* NFR-04: Our system will be easy to use for administration/management/ employees
* NFR-05: Our system will be bug-free and administration/management/ employees can use it without it breaking down
* NFR-06: The login data will be stored into a database

**Use Cases:**

**UC-01: Login to the Website by Employee**

*Reference: FR-01*

*Actor:* Employee

*Main Success Scenario*:

1. Actor visits the website.
2. Actor enters credentials.
3. System validates the credentials.
4. System grants access.

Extensions:

2a. The username field is left blank.

System prompts for a username.

2b. The password field is left blank.

System prompts for a password.

3a. Incorrect credentials entered.

System denies access and asks for re-entry.

**UC-02: Assign Shifts by Administrator**

*Reference: FR-02*

*Actor:* Administrator

*Main Success Scenario:*

1. Actor logs in.
2. Actor navigates to the "Shift Assignment" page.
3. Actor selects an employee.
4. Actor assigns a shift to the selected employee.
5. System confirms the shift assignment.

Extensions:

3a. The employee cannot be found.

System displays an error message.

3b. No employees are available to assign shifts to.

System displays a message indicating no available employees.

4a. The selected shift conflicts with the employee's existing shifts.

System prompts the administrator to choose another shift.

4b. The selected shift is not available.

System displays an error message.

**UC-03: Create Restock Requests by Employee**

*Reference: FR-03*

*Actor:* Employee

*Main Success Scenario:*

1. Actor logs in.
2. Actor navigates to "Restock Requests" page.
3. Actor fills out and submits the restock request.
4. System confirms the request submission.

Extensions:

2a. The page fails to load.

System displays an error message.

3a. The form is incomplete.

System prompts for completion before submission.

3b. Invalid item code or quantity entered.

System prompts for correction.

**UC-04: Add or Remove Employee by Administrator**

*Reference: FR-04*

*Actor:* Administrator

*Main Success Scenario:*

1. Actor logs in.
2. Actor navigates to "Employee Management" page.
3. Actor either adds a new employee or selects an existing employee to remove.
4. System confirms the action.

Extensions:

2a. The page fails to load.

System displays an error message.

3a. Administrator tries to remove an employee who is currently on shift.

System displays a warning message.

3b. Invalid data entered for a new employee.

System prompts for correction.

**UC-05: View and Modify Personal Details by Employee**

*Reference: FR-05*

*Actor:* Employee

*Main Success Scenario:*

1. Actor logs in.
2. Actor navigates to "Personal Details" page.
3. Actor modifies details and saves changes.
4. System confirms the changes.

Extensions:

2a. The page fails to load.

System displays an error message.

3a. Invalid data such as phone number or email.

System prompts for correction.

**UC-06: Login and See Shifts by Employee**

*Reference: FR-06*

*Actor:* Employee

*Main Success Scenario:*

1. Actor logs in.
2. Actor navigates to "My Shifts" page.
3. System displays assigned shifts.

Extensions:

2a. The page fails to load.

System displays an error message.

3a. No shifts are assigned.

System displays a "No Shifts Assigned" message.

**UC-07: Perform CRUD Operations by Administrator**

*Reference: FR-07*

*Actor:* Administrator

*Main Success Scenario:*

1. Actor logs in.
2. Actor navigates to the database management interface.
3. Actor performs Create, Read, Update, or Delete actions.
4. System confirms the actions.

Extensions:

2a. The page fails to load.

System displays an error message.

3a. CRUD operation fails.

System displays an error message.

**UC-08: Login to the App by Manager/Administrator**

*Reference: FR-08*

*Actor:* Manager/Administrator

*Main Success Scenario:*

1. Actor opens the application.
2. Actor enters credentials.
3. System grants access.

Extensions:

2a. Incorrect credentials.

System denies access.

2b. Manager/Administrator forgets password.

System provides "Forgot Password" option.

**UC-09: Search for an Employee by Manager/Administrator**

*Reference: FR-09*

Actor: Manager/Administrator

*Main Success Scenario:*

1. Actor logs in.
2. Actor navigates to the "Employee Search" page.
3. Actor inputs search criteria and initiates search.
4. System displays matching employees.

Extensions:

3a. No search criteria entered.

System prompts for search criteria.

4a. No matching employees found.

System displays a "No Results Found" message.

**UC-10: Introduce Multiple Departments**

*Reference: FR-10*

Actor: Administrator

*Main Success Scenario:*

1. Actor logs in.
2. Actor navigates to "Department Management" page.
3. Actor adds a new department.
4. System confirms the addition.

Extensions:

2a. The page fails to load.

System displays an error message.

3a. The department name already exists.

System prompts the administrator to choose a different name.