

User Requirements Specifications Document

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Table of Contents

Contents

Agreements/decisions	3
Functional requirements.....	3
Non-functional requirements	3
Use Cases	5

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 department manager
- ❖ Shifts will last 8 hours

Functional requirements

- FR-01: Administrators can assign shifts.
- FR-02: Employees can create restock requests.
- FR-03: Administrators can add or remove employees.
- FR-04: Employees can view and update their personal details.
- FR-05: Employees can log in and access their shift schedules.
- FR-06: Administrators can perform CRUD operations on the database.
- FR-07: Managers and administrators can log in to the app.
- FR-08: Managers and administrators can search for employees.
- FR-09: Managers can view individual performance statistics.
- FR-10: The system can accommodate multiple departments.

Non-functional requirements

- NFR-01: Our program requires minimal maintenance.
- NFR-02: The program is secure, accessible only to logged-in users, ensuring no outside access.
- NFR-03: The system uses a database to store website and app data.
- NFR-04: The system is easy to use for administrators, managers, and employees.
- NFR-05: The system is free from bugs and operates reliably for administrators, managers, and employees.

Use Cases

- UC-01

Use case: Login to the website

Actor: Employee

Main Success Scenario:

- 1.Actor provides information and confirms
- 2.System confirms credentials

Extensions:

- 1a. Login details are incorrect
 - 1.System displays an incorrect data message
 - 2.Return to MSS 1
- 1b. No login details are provided
 - 1.System highlights text boxes that need to be filled
 - 2.Return to MSS 1

- UC-02

Use case: Employee checks their shift

Actor: Employee

Main Success Scenario:

- 1.Actor checks schedule
- 2.System displays available schedule for actor
- 3.End of use case.

Extensions:

- 1a. The actor doesn't have any shifts allocated
 - 1.System displays a message "No shifts found."
 - 2.End of use case.

● UC-03

Use case: Employee wants to modify their personal data

Actor: Employee

Main Success Scenario:

- 1.Actor wants to change profile information
- 2.System shows actor his personal data
- 3.Actor wants to modify his data
- 4.System lets the actor update his credentials
- 5.Actor puts the new data
- 6.System modifies the actor's data accordingly
- 7.End of use case.

Extensions:

- 5a. The actor inputs invalid data
 - 1.System displays a message "Invalid data, please try again."
 - 2.Return to MSS 5

● UC-04

Use case: Administrator wants to see statistics about an employee

Actor: Administrator

Main Success Scenario:

- 1.Actor wants to open statistics
- 2.System opens statistics
- 3.Actor types the name/ID of the person whose statistics he wishes to see.
- 4.System shows statistics about the specified person
- 5.End of use case.

Extensions:

2a. The wanted employee does not exist in the system.

1. System displays a message "Person doesn't exist"

2. End of use case.

● UC-05

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

Actor: Employee

Main Success Scenario:

1. Actor wants to create a restock request
2. System displays a form where the actor can fill in the required information for the restock request
3. Actor fills in required information
4. System sends the request 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 in the warehouse."

2. End of use case.

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

1. The system displays a message "Too much stock requested."

2. End of use case.

● UC-06

Use case: Administration assigns shifts to employees

Actor: Administrator

Main Success Scenario:

1. Actor wants to check schedule
2. System shows assigned shifts for employees
3. Actor wants to add shift
4. System asks for shift type and employee
5. Actor chooses the type of shift and the employee to assign a shift to
6. System confirms assigning the shift and updates the schedule with the added information
7. End of use case.

Extensions:

- 2a. Schedule is empty
 1. System displays that there are no shifts assigned
 2. Return to MSS 3
- 4a. There are no employees in the system
 1. System shows the message that there are no employees
 2. End of use case

● UC-07

Use case: Employee calls in sick

Actor: Employee

Main Success Scenario:

1. Actor wants to check shifts
2. System opens available shifts
3. Actor wants to cancel a shift
4. System asks for a reason to cancel the shift
5. Actor chooses a reason for cancelling a shift
6. System displays a form where the actor can select its period of being sick

- 7.Actor selects the period
- 8.The sick request gets saved in the system
- 9.End of use case.

Extensions:

- 7a. The actor chooses a period that is too long
 - 1.System displays a message "The chosen period is too long. Contact the manager."
 - 2.Return to MSS 3

● UC-08

Use case: Customer orders a product

Actor: Customer

Main Success Scenario:

- 1.Actor selects a product
- 2.System adds product
- 3.Actor decides to check out
- 4.System asks for shipping information
- 5.Actor gives valid information
- 6.System accepts order
- 7.End of use case.

Extensions:

- 1a. No quantity left for this order
 - 1.System displays message "No quantity left"
 - 2.Return to MSS 1
- 5a. Actor gives invalid shipping information
 - 3.System displays message "Invalid shipping information"
 - 4.Return to MSS 7

● UC-09

Use case: Customer searches for a product

Actor: Customer

Main Success Scenario:

- 1.Actor wants to order a product
- 2.System shows an array of products
- 3.Actor wants to sort product specifications
- 4.System shows sorting options
- 5.Actor chooses sorting options
- 6.System shows sorted products
- 7.End of scenario

Extensions:

- 6a. System does not find product based on the specifications
 - 1.System displays message "No found product"
 - 2.Return to MSS 5

● UC-10

Use case: Customer forgets password

Actor: Customer

Main Success Scenario:

- 1.Actor forgets password
- 2.System asks for customer's email
- 3.Actor provides the email
- 4.System sends verification code to provided email
- 5.Actor writes verification code
- 6.System lets actor change his password
- 7.End of scenario

Extensions:

- 4a. System does not find email
 - 1.System will not send verification code
 - 2.Return to MSS 3