User Requirements Specifications Document

Date: 13.09.2023
Group: 2-5
Version: Version 1.0

Table of Contents

Contents

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 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.

• UC-04

Use case: Administrator wants to see statistics about a person

Actor: Administrator
Main Success Scenario:
  1. Actor clicks the "Show statistics" button
  2. Actor types the name/ID of the person whose statistics it wishes to see.
  3. System brings up stats about the specific person
  4. Actor sees what it needs to see and presses the "Back" button
  5. System takes the actor back to the main page.
  6. End of use case.

Extensions:
  2a. The named person doesn't exist in the system.
    1. The system displays a message "Person doesn't exist"
    2. The actor presses the "Back" button.
    3. End of use case.

- UC-05

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 cancelling 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.