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# Revision Table:

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| **Date modified** | **Changes Made** | **Version of Document** |
| 12 September | Reviewed Comments made by Tutor | Version 1 |
| 17 September | Reviewed Comments made by Tutor | Version 2 |

# Agreements with Client:

The client would like us to create a software solution that, will for now , help the administrator keep track of data and scheduling regarding employees in their new store

This document will be focused on the first phase of the project. The first phase of the project includes creating a software solution for the administration department. This solution must include keeping track of employees’ data and scheduling regarding their new store

If this is implemented to users’ satisfaction, a larger and more expanded software solution will be required to fulfill the users’ needs.

# Functional Requirements:

Currently the software solution will only entail the administration department and their process regarding employees. The administration department requires the software solution to do the following:

FR1. Add an employee

FR2. Remove an employee

FR3. Edit employee

FR4. Creating a schedule

FR5. Updating schedules

FR6. Deleting a schedule

FR7. Signing into the system with Unique name and password

FR8. View schedules for the current day and upcoming days

These features will be the features, we as a team choose to focus on.

# Use Cases:

**Use Case FR01: Creating a new employee**

Actor: Administrator

Preconditions: User must have permission to add new employees hence they must have administrator permissions.

Main success scenario:

1. Administrator signs into the system with appropriate details(Name and Password)
2. Select the option to create a new employee
3. System requests for new employee information
4. Administrator fills in all the required information about the new employee and submits these details
5. System shows overview information about the newly created employee
6. Confirmation that a new employee has been added to the system.

Alternative Outcomes: User is not an Administrator

1.Sign in request denied

2. End of Use case

Post Conditions: New employee successfully added to the system

**Use Case FR02: Deleting an employee**

Actor: Administrator

Preconditions: User must have permission to add new employees hence they must have administrator permissions.

Main success scenario:

1. Administrator signs in with appropriate details
2. Confirm that intended action is to delete an existing employee from the system
3. System requests for final confirmation to delete the selected employee
4. System confirms removal of employee

Alternative Outcomes 1: User is not an Administrator

1. Sign in request denied

Post Conditions: Employee deleted from the system

**Use Case FR03: Editing employee details**

Actor: Administrator

Preconditions: User must have permission to add new employees hence they must have administrator permissions.

Main success scenario:

1. Administrator signs in with appropriate details
2. Administrator requests to edit employee information for a selected employee
3. Administrator updates whatever information he intends to change
4. System shows employee information with the new updated information
5. Administrator confirms new information

Post Conditions: Employee details updated/edited

Alternative Outcome 1) User is not an administrator

1. Sign in request denied
2. End of use case

Alternative outcome 2) Wrong login credentials

a) Attempt to login again

b) End of use case

**Use Case FR04: Create a schedule**

Actor: Administrator

Preconditions: User must be an administrator

Main success scenario:

1. Administrator signs in with appropriate details
2. Request to create a schedule for a particular employee
3. Assign relevant information about the employee schedule (Department, Time slot to be worked)
4. Administrator confirms information to the system

Post Conditions: Working schedule created for a specific employee or more

Alternative Outcome 1: User is not an administrator

1. Sign in request denied
2. End of use case

Alternative Outcome 2 : Clashes in the schedule

1. Reassign employees to free time slots
2. End of Use case

**FR05: Updating schedules**

Actor: Administrator

Preconditions: User must be an administrator

Main Scenario: The administrator should be able to make a change to an existing employee’s schedule. The changes vary between a change in department or a change in the time slot or both.

Post Conditions: Employee schedule information successfully changed

Alternative Outcomes 1: User is not an administrator

1. Sign in request denied
2. End of use case

**FR06: Deleting a schedule**

Actor: Administrator

Preconditions: User must be an administrator

Main success scenario : The administrator should be able to delete a schedule therefore unassigning an employee/employees from a specific work shift.

Alternative Outcomes 1: User is not an administrator

1. Sign in request denied
2. End of use case

Post Conditions: Working schedule for one or more employees has ben deleted from the system.

**FR07: Signing in**

Actor: Administrator

Preconditions: User must an authorized administrator

Main Scenario: The administrator should input the appropriate details (name and password) before being allowed access into the system. Once they are logged on, they have the control do carry out the basic tasks provided by the system.

Alternative Outcomes 1: User is not an administrator

a) Cannot sign into the system

b) End of use case

# GUI:

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This page allows the user to input their credentials before allowing them access to the employees’ database. Only once their credentials are matched to those in our database will they be allowed to move on to the next screen.

A screenshot of a cell phone

Description automatically generated

This is the home page. Here the user is able to choose which task they would like to perform. There are buttons that will take them to another screen where they will be able to complete the task of their choosing. We call this our home page as the user can navigate from here.

A screenshot of a cell phone

Description automatically generated

With this screen we are able to implement our first function required by the client. This is to “Add a Staff Member/Edit a Staff Member”. Here the administration department will be able to add newly recruited members to the database so that they can be given a work schedule. However the users also have the option to update their staff members with the update button.

A screenshot of a cell phone

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The view staff page will show information about every employee in the store. As a administrator you can edit or delete an employee if it’s necessary. You can view more employees if you use the scrollbar. Finally, when we implement the application we will have employees with different names and department.

A screenshot of a cell phone

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This is the Schedule page from this page you can see the information for each day.

Staff members column will show the user how many employees are working of that date. Status column will show the user which schedule is full/not full/empty.

Action column consists of two buttons for each day (schedule) which will give the user access to edit the schedule or delete it if needed.

A screenshot of a cell phone

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This is the page where you can create schedule for the given date. There is a scrollable box which is going to list all of the already added employees into the database. In that box you can select which employee you want to participate in the shift and how long is he going work for that day.