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**URS Document For  
Media Bazaar**

A close up of a logo

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# Revision Table:

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| --- | --- | --- |
| **Date modified** | **Version of Document** | **Changes Made** |
| 12 September | Version 0.1 | * None |
| 17 September | Version 0.2 | * Reworked Use Cases * Updated GUI (Added missing buttons) |
| 19 September | Version 0.3 | * Added table for features (MSWC) * Reworked Use Cases |
| 25 September | Version 0.4 | * Reviewed and added to Table of features. * Added use cases * Reviewed comments on GUI |

# 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:

FR01: Signing into the system with Unique name and password

FR02: Creating an employee

FR03: Deleting an employee

FR04: Editing employee details

FR05: Creating a schedule

FR06: Viewing a schedule

FR07: Updating schedules

FR08: Deleting a schedule

FR09: Signing out of the system

The following table represents the tasks we as a group are choosing to focus on.

|  |  |
| --- | --- |
| **Section:** | **Features:** |
| Must | FR01: Signing into the system with Unique name and password  FR02: Creating an employee.  FR03: Deleting an employee.  FR04: Editing employee details.  FR05: Creating a schedule.  FR06: Viewing a schedule.  FR07: Updating schedules.  FR09: Signing out of the system. |
| Should | FR07: Updating schedules.  FR08: Deleting a schedule. |
| Could | None |
| Won’t | None |

# Use Cases:

**Use Case FR01: 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 inputs wrong credentials

a) User makes a second attempt to sign in

b) End of use case

**Use Case FR02: 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. Request to create a new employee
2. System requests for new employee information
3. Administrator fills in all the required information about the new employee and submits these details
4. System shows overview information about the newly created employee
5. Confirmation that a new employee has been added to the system.

Alternative Outcomes: User is not an Administrator

1a. Sign in request denied

End of Use case

Post Conditions: New employee successfully added to the system

**Use Case FR03: Deleting an employee**

Actor: Administrator

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

Main success scenario:

1. Confirm that intended action is to delete an existing employee from the system
2. System requests for final confirmation to delete the selected employee
3. 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 FR04: 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 selects to edit employee information for a particular employee
2. Administrator updates whatever information he intends to change
3. Confirms updated info
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 FR05: Create a schedule**

Actor: Administrator

Preconditions: User must be an administrator

Main success scenario:

1. Request to create a schedule for a particular employee or employees
2. Assign relevant information about the employee schedule (Department, Time slot to be worked)
3. 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 3a: Clashes in the schedule

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

**Use Case FR06: Viewing Schedules**

Actor: Administrator

Preconditions: User must be an administrator

Main Scenario: The administrator should be able to view the current schedule of an employee. The data shown will be that of the department the employee belongs to and the time slot they will be working in.

Post Conditions: Employee schedule information can be viewed.

Alternative Outcomes 1: User is not an administrator

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

**Use Case FR07: 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

**Use Case FR08: Deleting a schedule**

Actor: Administrator

Preconditions: User must be an administrator

Main success scenario:

1. Select the schedule or schedules intended to be deleted
2. Confirm to the system that your intention is to delete a particular schedule (button)

Alternative Outcomes 3: Schedule is still active or has not been worked

1. Reselects inactive schedules that are no longer required
2. End of use case

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

**Use Case FR09: Signing out**

Actor: Administrator

Preconditions: User must an authorized administrator

Main Scenario: The administrator must be able to exit the system once they have completed their tasks that they logged on to do in the first place. This action will terminate the connection between the administrator and system.  
End of use case.

# GUI:

A screenshot of a cell phone

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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

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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

Description automatically generated

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

A screenshot of a social media post

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

Staff count 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.

The form consists of three buttons for each day (schedule) which will give the user access to add or edit the schedule or delete it if needed.

A screenshot of a cell phone

Description automatically generated

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.