# User Requirements Specifications Document



Group: 2-5
Version: Version 2.0

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# 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

- ## UC-11
*Use Case:* Administrator adds a new employee to the system
*Actor:* Administrator
*Main Success Scenario:*
1. The Actor wants to add a new employee.
2. The system prompts for the new employee's details.
3. The Actor provides the required information.
4. The system adds the new employee to the system.

*Extensions*:
- 4a: The provided information is incomplete.
  - System displays a message: "Please provide all required information."
  - Return to MSS 3

- ## UC-12

*Use Case*: Employee requests vacation time
*Actor*: Employee
*Main Success Scenario:*
1. The Actor wants to request time off.
2. The system shows the user's upcoming shifts.
3. The Actor selects the shifts for which they want time off.
4. The system displays a form for the user to provide a reason and duration.
5. The Actor submits the time-off request.
6. The system updates the schedule with the time-off information.

*Extensions*:
    3a: The Actor has no upcoming shifts.
- System displays a message: "No upcoming shifts found."
- End of use case.

- ## UC-13:

*Use Case*: Administrator manages user roles and permissions
*Actor*: Administrator
*Main Success Scenario*:
1. The Actor wants to manage user roles and permissions.
2. The system provides options to view and modify user roles.

3. The Actor selects a user and modifies their role and permissions.
4. The system updates the user's roles and permissions accordingly.

*Extensions:*
   3a: The Actor cancels the role modification.
   - System discards the changes.
   - End of use case.


- UC-14

*Use Case*: Employee manages product inventory
*Actor*: Employee
*Main Success Scenario:*
   1. The Actor wants to update product inventory.
   2. The system provides options to view and modify product quantities.
   3. The Actor selects a product and updates its quantity.
   4. The system updates the product inventory accordingly.

*Extensions*:
   3a: The Actor cancels the inventory update.
   - System discards the changes.
   - End of use case.

- ## UC-15

*Use Case*: Customer provides product ratings and reviews
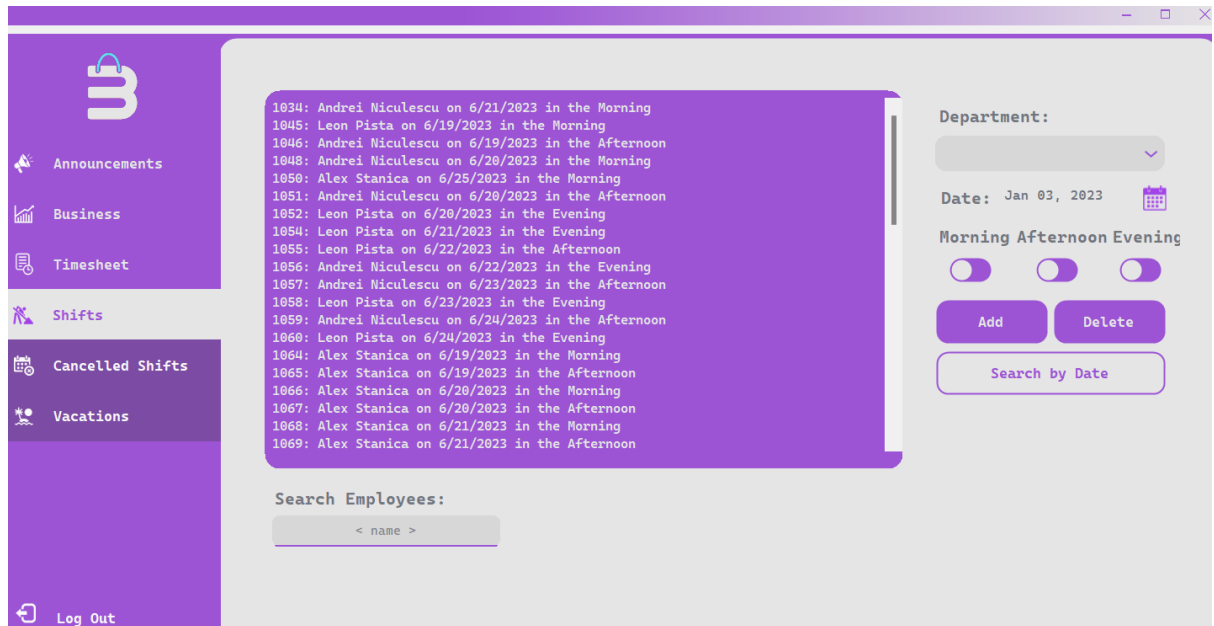*Actor*: Customer
*Main Success Scenario:*
1. The Actor wants to provide a rating and review for a product.
2. The system prompts the user to select the purchased product.
3. The Actor selects the product.
4. The system opens a review section for the user to rate and write a review.
5. The Actor submits the rating and review.
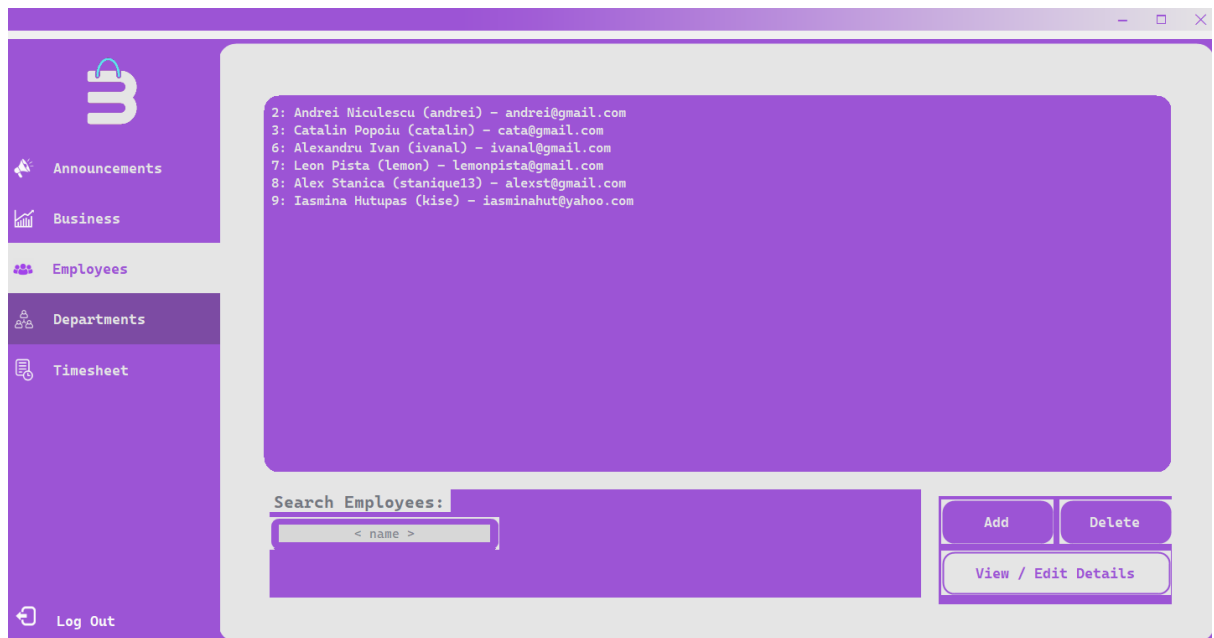6. The system records the rating and review for the specified product.

*Extensions*:
   3a: The Actor has not purchased any products.
   - System displays a message: "No purchased products found."
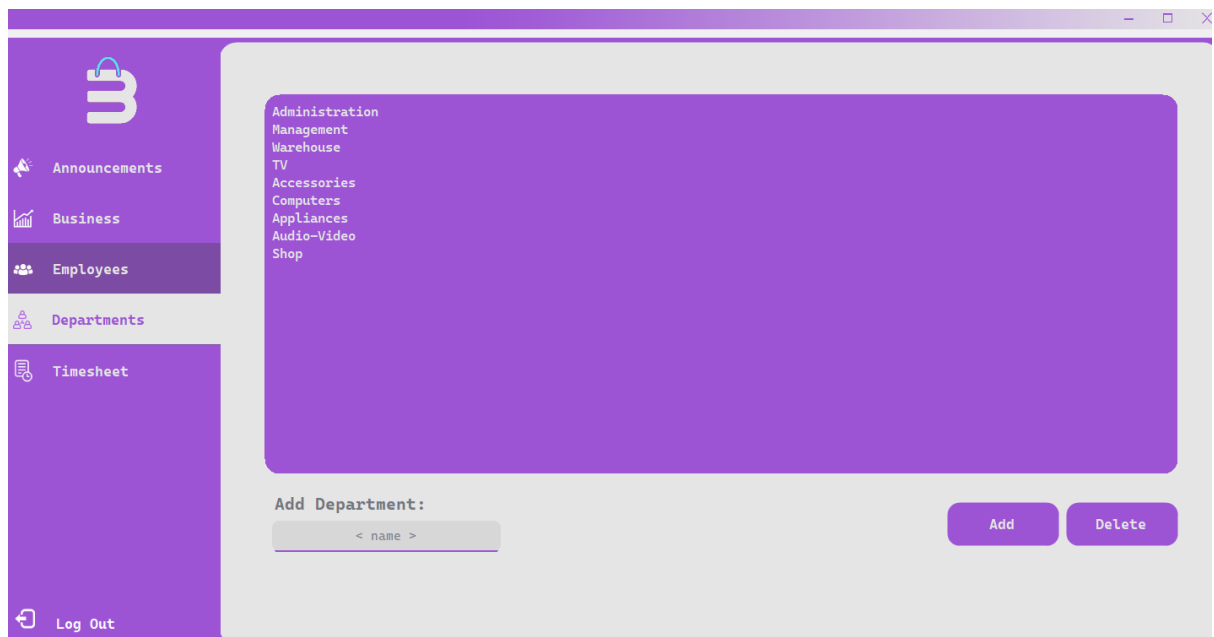   - End of use case.

# GUI



Description:
In the shift tab, as an admin, you will be able to Add and Delete Shifts and search for Employees who have an assigned shift.

2: Andrei Niculescu (andrei) — andrei@gmail.com
3: Catalin Popoiu (catalin) — cata@gmail.com
6: Alexandru Ivan (ivanal) — ivanal@gmail.com
7: Leon Pista (lemon) — lemonpista@gmail.com
8: Alex Stanica (stanique13) — alexst@gmail.com
9: Iasmina Hutupas (kise) — iasminahut@yahoo.com

Announcements
Business
Employees
Departments
Timesheet
Log Out

Search Employees:
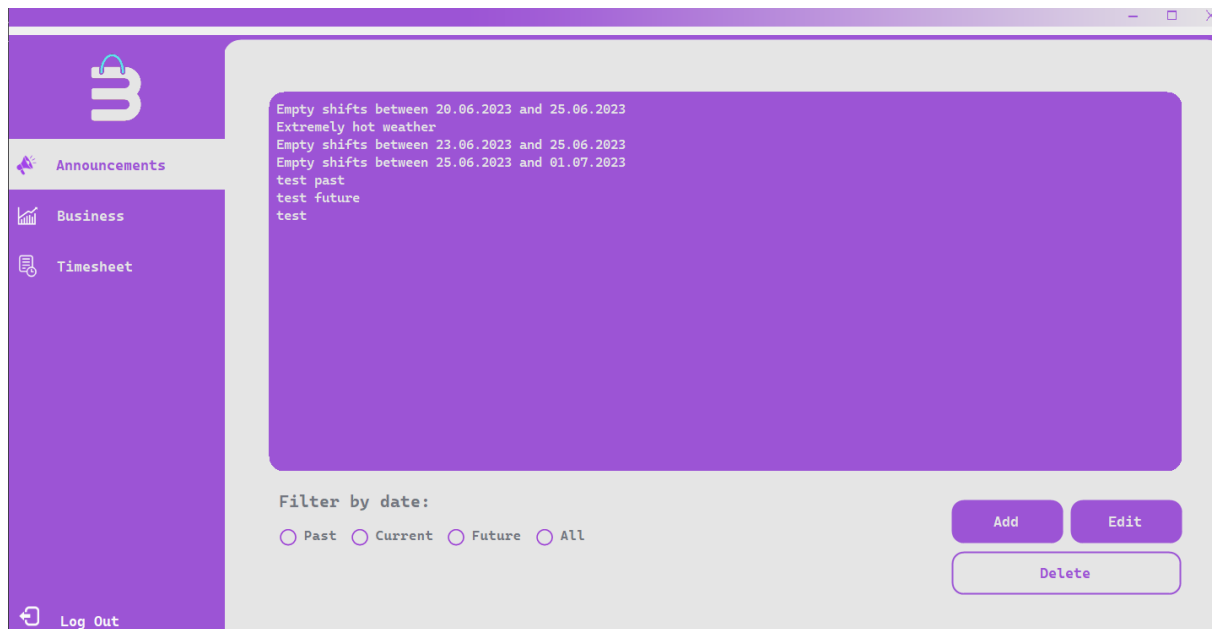< name >

Add     Delete
View / Edit Details

Description:
As an admin, when you open the employee tab you have the ability to add and delete an employee as well as search and edit employee credentials
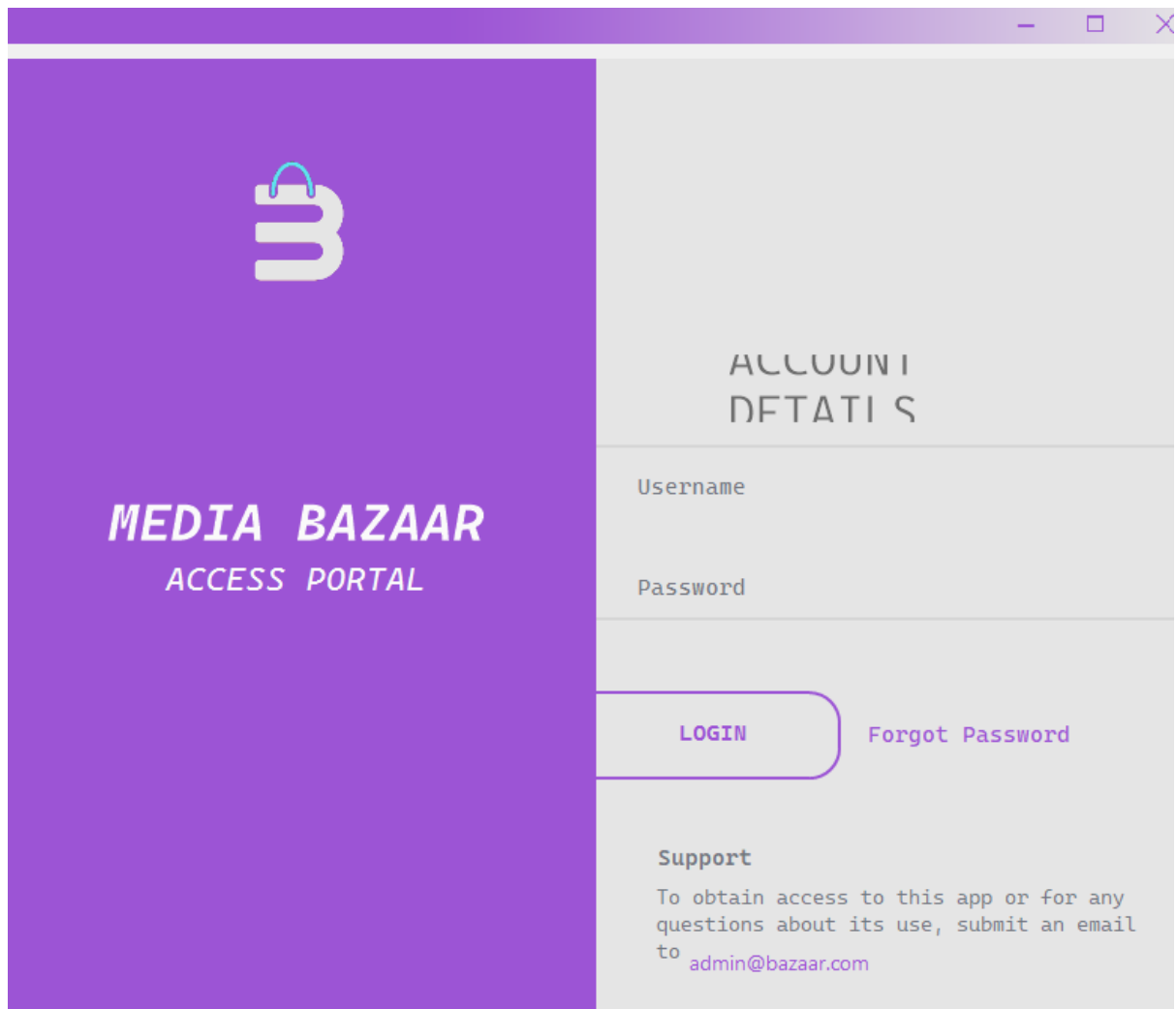


Administration
Management
Warehouse
TV
Accessories
Computers
Appliances
Audio-Video
Shop

Announcements
Business
Employees
Departments
Timesheet
Log Out

Add Department:
< name >

Add     Delete

Description:
In the departments tab, you will be able to add and delete departments as well as search for them

Empty shifts between 20.06.2023 and 25.06.2023
Extremely hot weather
Empty shifts between 23.06.2023 and 25.06.2023
Empty shifts between 25.06.2023 and 01.07.2023
test past
test future
test

Filter by date:
◯ Past   ◯ Current   ◯ Future   ◯ All

Announcements
Business
Timesheet

Log Out

Add          Edit
Delete

Description:
In the announcements tab, as an admin, you are able
to write a general message for all of your employees
to see. If you find the message inappropriate you
can choose to delete or edit it

ACCOUNT
DETAILS

Username

Password

LOGIN          Forgot Password

Support

To obtain access to this app or for any
questions about its use, submit an email
to admin@bazaar.com

Description:
In the login form, you will have to know your
credentials in order for you to be able to access
your account. If you do not remember you can press
the "Forgot Password" link

# Website Wireframe