# Media Bazaar

User Requirements Specifications

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# 1 Agreements With Client

For this project we were asked to create a Windows Forms application and web application for the company Media Bazaar, to keep track of employee and product information.

In a meeting with our client, we discussed what kind of functionalities our solution needs to have and what it should be able to do. Our priority is to finish the desktop application. Down below is a list of the most important agreements we made.

#### 1.1 Waterfall

- Data stored for employees will be name, address, email, phone number, contact details of spouse, birthday, BSN, function(s) (and role in system), start date and possible end date, and type of contract. When people leave the company information related to the reason why they left will be stored. Sometimes an employee needs to have certain diplomas or abilities. (languages etc.) There should be an option to filter or search all data.
- 2. Employees who need to use the application must have an account to log in to the system.
- 3. Human resources, who should be able to handle the employees' functions, they should be able to add employees, should be able to view and update employees' personal information and statistics, in addition to that they should be able to put employees on inactive. Human resources can also handle schedule management.
- 4. There are three different shifts the employees can be scheduled for 8:00-12:30, 12:30-17:00, and 17:00-21:30. An employee can have a maximum of two shifts per day. The shifts include half an hour break, this is paid as well.
- 5. There should be information stored on products such as brand, model, price, description, weight, height, width, depth, category, place in the depot (location number), shipment date, and possibly who asked for the shipment. Barcode is also an option. There should be an option to filter or search all data.
- 6. Logistics employees should be able to view and adjust information about stock and depot management. Depot employees can prepare the reshelve request and create purchase requests to let the depot manager buy the products. The depot manager can handle stock and the depot employee management.
- 7. Sales representatives should be able to request stock and view the information. For products sales representatives view product information, make reshelve requests and they can handle store stock.
- 8. Management should view the employee statistics, and if it is possible let them view product statistics. Statistics for management should include absents, sick people, employees who work on certain dates, and who is present.
- 9. Administration can handle everything for stock and employees including the schedule, In addition to that, they can add departments, view it, or adjust and delete it. The administration has tasks that both HR and logistics have as well. They can see and use everything those departments do.
- 10. The system should be understandable for new employees

#### 1.2 First iteration

In this iteration we need to finish the desktop application, but reshelve requests are not the priority for the first iteration and the deadline for the first iteration is week 9.

# 1.2.1 Desktop application

# First priority

- 1. Management can add, view, update and delete departments. Management must be able to view employees for each department and switch them to another department.
- 2. The employee can switch to another user type.
- 3. The employee overview should show id, first and last name, phone number, email, and department. Password should be completely hidden.
- 4. Active employees can be displayed on the employee viewing page and unactive employees can be shown on different pages.
- 5. The design should combination of blue with black and white for the colors.
- 6. The management, human resources, admin, and managers can see employees statistics

#### 1.2.2 Website

## **Second priority**

- 1. Employees can log in and log out.
- 2. Employees can log in and change their password after the first login.
- 3. Employees can view and update personal information.
- 4. Employees can view the schedule.

### Third priority

- 5. Employees can register for sick.
- 6. Employees can register better.
- 7. Employees can add their availability.

#### 1.3 Second iteration

We have agreed on some new functions to be added and old ones to be improved. The first priority is finishing the desktop application, second is to improve the employee website. After that, there are a few new functions for the desktop and something related to both. There are also a few things that are not important for now, but will be asked for later, making a start on this would be great.

### 1.3.1 Desktop application

# First priority

- 1. There should be an option to switch between user types/functions.
- 2. Change the schedule to a weekly/monthly overview with a "preview". Clicking shows all people. Another click would show employee information. Showing the amount as well is a plus. The schedule itself will look more like for example the outlook schedule. Switch around the days and shifts.
- 3. The media bazaar logo should be on the login page.
- 4. Add some visuals to the statistics pages.
- 5. The delete button in the product should be one separate button for deleting all of them. Not a button for each product on the table.
- 6. More icons can be used (logout for example).
- 7. Change the name of the 'mark inactive' buttons to be a bit more appropriate.
- 8. Make a different page for inactive employees which you can access by for example a button. Not as a filter as it is right now.
- 9. For design make sure everything is clear to see. For placement of buttons think about what is used in most applications. The company would like certain combinations of blue with black and white for the colors.

#### Third priority

- 10. An option should be added to manage to reshelve requests. (Would be great to see a status like complete, incomplete, etc.).
- 11. It would be nice to have an option to set if or how many items were broken on arrival.

#### Fourth priority

12. Add in department management for viewing, adding, updating and removing departments. The department management should be able to see which employees work in a department and switch employees between departments as well.

### 1.3.2 Website

#### Second priority

- 1. The schedule in the website has to be changed. It should be really easy to see when an employee has to work. Use "boxes" like in the outlook or teams agenda for example. Also, add the specific times to shifts. (both monthly or weekly schedule will be fine, try to choose what works best or do both)
- 2. The logo should be put at the top of the website.

# **Fourth priority**

3. Employees can register sick and/or set their attendance on the website. This can be checked by a manager or someone else (also on the website).

### 1.3.3 Combined/both

# Third priority

- 1. Try to make a start on setting your availability as an employee on the website. The HR manager must be able to see this in the desktop application.
- 2. It would be great to have a notification system for both the desktop application and the website.

# **Fourth priority**

3. Check-in and check-out from a work shift (with a card).

#### 1.4 Third iteration

For this iteration we have received new functional requirements and have been asked to improve our last software solution. The first priority will be the website and automatic schedule. The second priority has to be creating options to mark employees' presence and absence. Finally, we will have to add statistics for products and department management as well as generate a new application for registering sales (cashiers system).

#### 1.4.1 Desktop application

## First priority

- 1. Add logo to the login page
- 2. Automatic schedule
  - Automatic scheduling should take FTEs and availability/unavailability into account.
  - Scheduling should be done automatically at a certain moment.
- 3. Have color scheme for status in reshelve request
- 4. Set arrival date when reshelve request is delivered
- 5. Change text labels and statics in the background from dark to white
- 6. Remove year in date in the schedule table
- 7. Add filters on the top of the schedule and schedule table on the bottom
- 8. Keep numbers and avoid a list of names
- 9. Show how many hours people work(FTE)
- 10. Add option to update a certain shift(of a certain employee)
- 11. The department listbox should be aligned with the employee table at the top
- 12. In the header of the schedule put the day of the week above or below the date. Also, center the text
- 13. Rearrange notification, change the view, and logout button
- 14. Change as many buttons as possible to have icons
- 15. Add an option for the manager to make announcements using notifications
- 16. Option to disable(certain) notification
- 17. The filter by label should be deleted

# Second priority

- 1. Option for the HR manager to see availability
- 2. Check-in and check-out
- 3. Register absence manually

#### Third priority

- 1. Move departments to separate table
- 2. Add statics for products(stock management)
  - Amount of products per category
  - Amount of products broken(percentage)
  - Amount of sales per product
- 3. Operations for department management
- 4. Add department statics for department management
  - Amount of employees per department

- Amount of employees planned per department(that day)
- 5. New application for registering sales(cashier system)

#### 1.4.2 Website

# First priority

- 1. Change the layout of the schedule on the website to be similar to application
- 2. Add a new page for availability where people can register sick or ask for vacation. The employee has to give a reason.
- 3. When employees register sick there should also be an option to register when they are better.
- 4. The schedule on the website should display free or sick days
- 5. Notification and logo should go in the navigation bar
- 6. Change text to icons in the navigation bar
- 7. The homepage can have the same, bigger icons as a menu with a welcome message. Also, put the logo somewhere on the home page
- 8. Add an option for the manager to make announcements using notifications
- 9. Option to disable(certain) notification

### **Second priority**

1. When the employee checks out should be displayed on the website

#### 1.5 Fourth Iteration

For this iteration we didn't get any new functionalities. Most of the tasks are to complete all we have right now and apply feedback as well as start working on the automatic schedule

#### 1.5.1 Desktop application

# First priority

- 1. Automatic schedule
  - Add a default minimum of employees however we to make it adjustable for a certain day and it will be possible to add maximum employees.
  - Take into account that it should not be possible for employees to overwork their FTE, however, it is not a problem if they have fewer hours
  - Scheduling should be done automatically at a certain moment.

#### 2. Checkin/checkout

- The time should be registered when checking in or out. For people who have two shifts in a row, there is no double check-in or check-out needed.
- When an employee did not show up it would be nice to have it displayed in red. When they were 15 minutes late or left 15 minutes early it can be indicated with yellow or orange.

# Second priority

- 1. Department
  - For department management it should be possible to delete and view departments. Viewing includes the number of employees as well as statistics. (Other features regarding department management have a lower priority.)

#### Third priority

• Changing colors of reshelve request to a scale from red to green

#### 1.5.2 Website

#### First priority

- 1. Make the schedule on the website look like the one we have on the desktop.
- 2. For schedule switch days and shifts, furthermore, use some color scheme
- 3. Use icons instead of only text when someone is assigned
- 4. Add a textbox to specify a reason when user select 'others' as a reason

#### Second priority

- 1. Use white text on darker background
- 2. Change colours of the icons on the homepage(use blue instead of purple)

# **2 Functional Requirements**

There are certain things the system should be able to do. Media Bazaar has different users for the apps and the different products all have different uses.

# 2.1 Desktop App

The main app Media Bazaar has asked us to generate a software system that will be to keep track of employees and products. This app has seven different users, who will all have different functional requirements.

We will categorise the functional requirements by function. In the following part, we will use tables to prioritise the requirements using the MoSCoW methods.

### 2.1.1 General functions for desktop application

Must	FR-01: User must be able to log in to the system. FR-02: User must be able to log out from the system. FR-38: The user must be able to change user type without login out.	FR-01: ✓ FR-02: ✓ FR-38: ✓
Should		
Could		
Won't		

# 2.1.2 Employee for desktop application

Must	FR-03: All managers, management, admin, and the HR manager must be able to view filtered employees. FR-04: The HR manager and admin must be able to add new employees. FR-05: The HR manager and admin must be able to update employee information. FR-06: The HR manager and admin must be able to remove an employee. FR-07: The HR manager and admin must be able to schedule the employees manually. FR-08: The HR manager and admin must be able to update an employee's scheduled shift. FR-09: The HR manager and admin must be able to view the schedule for all employees. FR-14: The HR manager and admin must be able to schedule employees automatically.	FR-03: ✓ FR-04: ✓ FR-05: ✓ FR-06: ✓ FR-07: ✓ FR-09: ✓ FR-14: ✓
Should	FR-67: The HR manager and admin should be able to set a maximum and minimum when scheduling employees automatically.	FR-67: <b>√</b>
Could	FR-13: The HR manager could be able to view information about the contracts. FR-55: The HR manager could be able to see the availability of all of the employees.	FR-13: FR-55: ✓
Won't		

# 2.1.3 Attendance for desktop application

Must		
Should	FR-57: Employees should be able to check-in and check out from a work shift with a card. FR-11: The HR manager and admin should be able to change the attendance of the employees.	FR-57: ✓ FR-11: ✓
Could	FR-12: The HR manager and admin could be able to view the attendance of the employees.	FR-12:
Won't		

# 2.1.4 Product and stock for desktop application

Must	FR-15: The sales representative, depot employees, management, and admin must be able to view information about the products. FR-16: The depot manager and admin must be able to add new products. FR-17: The depot manager, sales representative, and admin must be able to update product information. FR-18: The depot manager and admin must be able to remove products.	FR-15: ✓ FR-16: ✓ FR-17: ✓ FR-18: ✓
Should	FR-20: The sales representative, depot manager, depot employees, and admin should be able to filter products. FR-21: The depot manager and admin should be able to view all product information, even removed ones. FR-22: The depot employees, management, and admin should be able to view filtered stock information. FR-23: The sales representative should be able to adjust the store stock.	FR-20: ✓ FR-21: ✓ FR-22: FR-23:
Could		
Won't		

# 2.1.5 Requests for desktop application

Must	FR-24: The depot manager must be able to view restock requests and assign depot employees. FR-25: Depot employees, sales representatives, and admin must be able to view all of the reshelve requests. FR-26: The sales representative must be able to make reshelve requests. FR-28: The depot manager must be able to approve or deny reshelve requests. FR-30: The sales representative, depot employee, and depot manager must be able to view the request status. FR-31: Depot employees must be able to register the preparation of the requests. (For example, register how many products they sent)	FR-24: ✓ FR-25: ✓ FR-26: ✓ FR-28: ✓ FR-30: ✓ FR-31: ✓
Should	FR-58: The sales representative should be able to register how	FR-58: <b>√</b>

	many products were broken upon arrival.	
Could		
Won't		

# 2.1.6 Departments for desktop application

Must	FR-40: Department management must be able to view departments. FR-42: Department management must be able to remove departments.	FR-40: ✓ FR-42: ✓
Should	FR-39: Department management should be able to add a department. FR-41: Department management should be able to update departments.	FR-39: ✓ FR-41: ✓
Could	FR-44: Department management could switch employees between departments.	FR-44:
Won't		

# 2.1.7 Notification for desktop application

Must	FR-62: Manager must be able to make announcements to all employees on the website	FR-62: <b>√</b>
Should	FR-54: User should be able to receive and view notifications. FR-60: Sales representatives should get notified when the status of the reshelve request created by them gets updated or when it gets accepted or denied or shipped	FR-54: ✓ FR-60: ✓
Could		
Won't		

# 2.1.8 Others for desktop application

Must	FR-33: All managers, management, admin, and the HR manager must be able to view statistics about employees. FR-34: The sales representative, depot manager, management, and admin must be able to view statistics about products. FR-35: Department management must be able to view statistics about departments. FR-63: Users must be able to adjust the settings	FR-33: ✓ FR-34: ✓ FR-35: ✓ FR-63: ✓
Should		
Could	FR-37: Management could be able to view statistics about sales.	FR-37:
Won't		

### 2.2 Website

The website has different functionalities for all of the employees, which will help the Media Bazaar manage the employees.

We will categorize the functional requirements by function. In the following part, we will use tables to prioritize the requirements using the MoSCoW methods.

# 2.2.1 General functions for the website

Must	FR-45:User must be able to log in to the website FR-46: User must be able to log out to the website FR-47: User must be able to change the password when they log in for the first time.	FR-45: ✓ FR-46: ✓ FR-47: ✓
Should		
Could		
Won't		

# 2.2.2 Employee for website

Must	FR-48: Employees must be able to view and change their personal information. FR-49: Employees must be able to view the thier schedule. FR-50: Employees must be able to register when they are not available (sick, vacation, other) FR-51: Employees must be able to register when they are better again.	FR-48: ✓ FR-49: ✓ FR-50: ✓ FR-51: ✓
Should	FR-53: Employees should be able to add their unavailability.	FR-53: <b>√</b>
Could	FR-52: Employees could register their attendance. FR-56: Employees could be able to update their unavailability.	FR-52: FR-56:
Won't		

# 2.2.3 Attendance for desktop application

Must		
Should	FR-65: Employees should be able to manually check-out	FR-65: <b>√</b>
Could		
Won't		

# 2.2.4 Notifcation for website

Must		
Should	FR-59: User should be able to receive and view notifications. FR-61: Employee should get notified when when they get scheduled	FR-59: ✓ FR-61: ✓
Could		
Won't		

# 2.2.5 Settings for website

Must	FR-66: Users must be able to adjust settings	FR-66: <b>√</b>
Should		
Could		
Won't		

# 2.3 Cashier application

# 2.3.1 Sales

Must		
Should		
Could	FR-36: Cashiers could be able to register sales using a cashier system.	FR-36:
Won't		

# 3 Use cases desktop application

#### 3.1 General functions

#### UC-01

FR-01

Use Case: Login to the main app

Actor: User

Pre-condition: Actor is registered in the application

Post-condition: System displays page based on the actor's job title

#### Main Success Scenario:

1. Actor enters their username and password

- 2. Actor selects the login button
- 3. System displays a page based on actor's job title

#### Extensions:

1a: No text entered

- 1. System tells actor to fill up all the boxes
- 2. Return to MSS 1

1b: Wrong information entered

- 1. System tells actor that wrong info is entered
- 2. Return MSS 1

#### UC-02

FR-02

Use Case: Logout of the main app

Actor: User

Pre-condition: Actor is already logged in the system

Post-condition: Login page is opened

## Main Success Scenario:

- 1. Actor selects the logout button
- 2. System closes actors page
- 3. System opens login page

FR-38

Use Case: Switching to another user type

Actor: User

Pre-condition: Actor is already logged in the system Post-condition: Switched to the desired user type

### Main Success Scenario:

- 1. Actor press on change view
- 2. System shows list of the user types that the user has
- 3. Actor selects user type
- 4. Actor confirms
- 5. System shows the desired user type page

### 3.2 Employee

### UC-03

FR-03

Use Case: View filtered employees

Actor: Human Resources/managers/admin/management Pre-Condition: Actor is already logged in to the system Post-Condition: Filtered employees are displayed

#### Main Success Scenario:

- 1. Actor select employees page
- 2. Actor selects "filter employees"
- 3. Actor enters/selects what he wants to filter on
- 4. Actor clicks filter button
- 5. System displays employee data of employees that meet the filter

#### Extensions:

4a: The system is not connected to the database

- 1. A message will show telling the actor to connect the system to the database
- 2. Return to MSS step 1

4b: There are no employees in database

- 1. System shows there are no employees matching the filter method
- 2. End of use case

4c: Actor doesn't determine how she/he want to filter the employees

- 1. System shows there is no determined method to filter the employees
- 2. Return to MSS step 3

4d: There are no employees found

- 1. System shows there are no employees matching the filter method
- 2. Return to MSS step 3

#### UC-04

FR-04

Use Case: Add employee

Actor: Human Resources/admin

Pre-condition: Actor is on the adding employee page

Post-condition: A new employee is added

#### Main Success Scenario:

- 1. Actor fills in all the new information
- 2. The actor clicks 'add new employee'
- 3. The system saves the new employee's information

#### Extensions:

2a: Not all user information is entered

- 1. A message will show telling the actor to fill in all the information needed
- 2. Return to MSS step 1

2b: The entered information is in the wrong format

- 1. A message will show telling the actor what field is filled in wrong
- 2. Return to MSS step 1

FR-05

Use Case: Update employee information

Actor: Human Resources/admin

Pre-condition: Actor is logged in the system Post-condition: Actor updated employee info

#### Main Success Scenario:

- 1. Actor select employee page.
- 2. Actor selects an employee
- 3. All info about employee are displayed
- 4. Actor changes the desired info
- 5. Actor selects the update "option"
- 6. System updates employees info

#### Extension:

- 2a. Actor did not select any employee
  - 1. System tells actor to select an employee
  - 2. Return to MSS1
- 3a. Actor didn't fill up all information
  - 1. System will tell actor to fill up all information
  - 2. Return to MSS 1

#### UC-06

FR-06

Use Case: Remove employee

Actor: Human Resources/admin

Pre-condition: Actor is already logged in to the system Post-condition: Employee is moved to inactive list

#### Main Success Scenario

- 1. Actor clicks the employee page
- 2. Actor selects the employee they want to remove
- 3. Actor fills in the reason they remove the employee
- 4. Actor clicks remove button
- 5. System moves employee to inactive list

#### Extensions:

4a: No employee is selected

- 1. System gives a message telling the actor to select an employee
- 2. Return to MSS step 2

4b: No reason is entered

- 1. System gives a message telling the actor they should enter a reason
- 2. Return to MSS step 3

#### 3.3 Schedule

#### UC-07

FR-07

Use Case: Schedule an employee at the desired time

Actor: Human Resources/admin

Pre-condition: Select the Planning tab

Post-condition: Selected employee will be scheduled on selected time

#### Main Success Scenario:

- 1. Actor selects desired day and shift
- 2. Actor selects the desired employee
- 3. Selected employees will be scheduled on a selected time

#### Extension:

- 1a. Actor didn't select any desired day and shift.
  - 1. Message going to show the actor has to select a desired day and shift
  - 2. Return to MSS 1
- 3a. Selected employee already has 2 work shifts that day
  - 1. Message showing they already have 2 shifts and can't have more
  - 2. End of use case

#### **UC-08**

FR-08

Use Case: Move employee to another shift

Actor: Human Resources/admin

Pre-condition: Select desired day and shift

Post-condition: Employee has been move to another shift

#### Main Success Scenario:

- 1. Actor selects the employee
- 2. System shows the shifts list
- 3. Actor chooses the desired shift
- 4. Actor confirms the shift update
- 5. System will update the schedule

#### Extension:

- 4a. Selected employee already has 2 work shifts that day
  - 1. Message showing they already have 2 shifts and can't have more
  - 2. Return to MSS 2

FR-09

Use case: View schedule

Actor: Human Resources/administrator Pre-condition: Opened schedule page Post-condition: Actor view schedule

### Main Success Scenario:

- 1. Actor selects view schedule
- 2. System will show schedule

#### Extension:

1a: There is no schedule.

- 1. System shows there are no schedules
- 2. End of use case

# 3.4 Availability

### UC-11

FR-11

Use Case: Adjust employees' attendance

Actor: Human resources/admin

Pre-Condition: Actor is viewing the attendance list Post-Condition: Attendance of all employees is updated

#### Main Success Scenario:

- 1. Actor changes the attendance if needed
- 2. Actor clicks save
- 3. The system saves the changed list

#### Extensions:

2a: There is no attendance selected for an employee

- 1. System will display a message warning that employees, where no attendance is selected, will automatically be registered present
- 2. System will automatically register the employee as present
- 3. End of use case

#### UC-12

FR-12

Use Case: View employees' attendance

Actor: Human resources/admin

Pre-Condition: Actor is already logged in to the system

Post-Condition: System displays attendance list

#### Main Success Scenario:

- 1. Actor opens the schedule on page
- 2. Actor clicks the attendance list and selects a date
- 3. System displays a list of the employees for that day with registered attendance

### Extensions:

2a: No date selected

- 1. System will automatically select today's date
- 2. Return to MSS 2

FR-14

Use Case: Generate schedule automatically

Actor: Human resources/admin

Pre-Condition: Actor is already on schedule page Post-Condition: schedule setting has been setted

#### Main Success Scenario:

- 1. Actor selects auto scheduling page
- 2. Actor selects the week and the year
- 3. Actor fills the required number of employees per shift
- 4. Actor confirms
- 5. System shows the new schedule

#### Extensions:

4a: Missing amount of the employees per role

- 1. System shows there are amount of the employees per shifts isn't entered
- 2. Return to MSS step 3

#### 3.5 Product and stock

#### UC-13

FR-15

Use case: View information about the products

Actor: Sales representative/depot employees/management/admin

Pre-condition: Actor is logged in to the system Post-condition: Show product information

#### Main Success Scenario:

- 1. Actor select stock page
- 2. System shows the stock page
- 3. Actor search the product by filling the suitable search method to the actor
- 4. System shows product information in new page

#### Extensions:

3a: Actor didn't fill any field

- 1. System show that there are no any search method implemented
- 2. Return to MSS step 2

#### UC-14

FR-16

Use case: Add a new product

Actor: Depot manager/admin

Pre-condition: Actor is logged in to the system

Post-condition: Product is added

## Main Success Scenario:

- 1. Actor select Stock page
- 2. System show Stock page
- 3. Actor select adding product button
- 4. System show fields of all of the required informations for the product including the location in the warehouse or store
- 5. Actor fill all of the required fields
- 6. Actor click add
- 7. System show product added successfully

#### Extensions:

6a: The required fields are not filled

- 1. System show the missing fields
- 2. Return to MSS step 5

FR-17

Use Case: Update product information

Actor: Depot manager/sales representative/admin

Pre-condition: Actor has selected a product

Post-condition: Product information has been changed

#### Main Success Scenario:

- 1. Actor clicks 'update information'
- 2. Actor sees all information about the product displayed
- 3. Actor changes desired information
- 4. Actor clicks save
- 5. The page displays the updated information

#### Extensions:

4a: Invalid information was entered

- 1. System displays a message about what information is invalid
- 2. Return to MSS step 3

#### UC-16

FR-18

Use case: Remove products

Actor: Depot Manager/admin

Pre-condition: Actor is logged in to the system Post-condition: Product is removed successfully.

#### Main Success Scenario:

- 1. Actor select stock page
- 2. System show stock page
- 3. Actor search for the product
- 4. Actor selects product
- 5. System shows the product on page
- 6. Actor clicks on delete product
- 7. System shows that is added successfully

#### FR-21

Use case: View all of the products information even the removed ones

Actor: Depot manager/admin

Pre-condition: Actor is logged in to the system

Post-condition: See all of the products include deleted ones

#### Main Success Scenario:

- 1. Actor selects the stock page.
- 2. System shows the stock page.
- 3. Actor filter stock with the search tools
- 4. System shows filtered search results for the stock list.
- 5. Actor can see all of the product's information, even the removed ones.

#### Extensions:

4a: there are no products found.

- 1. System shows there are no products found.
- 2. Return to MSS step 3.

### 3.6 Reshelve Requests

#### UC-19

FR-24

Use case: View the reshelve requests and assign certain depot employees

Actor: Depot manager/admin

Pre-condition: Actor is logged in to the system

Post-condition: Shows requests and being able to assign employees

#### Main Success Scenario:

- 1. Actor select requests page
- 2. System shows the requests
- 3. Actor select request
- 4. System shows request on page
- 5. Actor selects the depot employee by filling the required field
- 6. System shows that is assigned successfully

#### Extensions:

5a: Can't assign it.

- 1. System shows that can't assign it
- 2. Return to MSS step 5.

#### UC-20

FR-25

Use case: Viewing all reshelve requests

Actor: Depot employee/sales representative Pre-condition: Actor is logged in to the system Post-condition: All of the requests are shown

#### Main Success Scenario:

- 1. Actor select requests page.
- 2. System shows all of the requests.

### Extensions:

2a: There are no requests.

- 1. System shows that there are no requests
- 2. Return to MSS step 1

FR-26

Use Case: Make a reshelve request

Actor: Sales representative

Pre-condition: The user is already logged in to the system

Post-condition: A reshelve request has been sent

#### Main Success Scenario:

- 1. Actor clicks on reshelving requests
- 2. Actor selects 'new request'
- 3. Actor selects the product and enters the amount they want to request
- 4. Actor clicks 'send request'
- 5. Request gets added to the 'reshelve requests page' and is sent to the depot

#### Extensions:

4a: The amount entered is invalid

- 1. System will display a message telling the actor to change the amount
- 2. Return to MSS step 3

4b: There already is a request for this item that hasn't been handled yet

- 1. System will display a message telling the actor that there is a pending request
- 2. End of use case

#### UC-22

FR-31

Use case: Prepare requests

Actor: Depot employee

Pre-condition: Actor is logged in to the system

Post-condition: Requests are handled

#### Main Success Scenario:

- 1. Actor select requests page
- 2. System shows all of the requests
- 3. Actor select request
- 4. System shows the product location and the amount
- 5. Actor confirms that he/she got the product with the right amount
- 6. System shows all of the picks until the actor finishes with request
- 7. When the actor is done with the request the system shows that he/she is done
- 8. System goes back to requests list page

#### Extensions:

1a: There are no requests

- 1. System shows there is no request at that moment
- 2. End of the use case

FR-28

Use case: Approve or deny reshelve request

Actor: Depot Manager

Pre-condition: Actor is on reshelve requests page

Post-condition: Reshelve request got approved or denied

#### Main Success Scenario:

- 1. Actor select request
- 2. System shows the option to deny or approve the request
- 3. Actor chooses to approve or deny
- 4. System shows the reshelve request status got updated

#### UC-40

FR-30

Use case: View reshelve request

Actor: Depot Manager/ Sales reporesentative/ Depot employee

Pre-condition: Actor is on reshelve requests page Post-condition: Reshelve request got shown

#### Main Success Scenario:

- 1. Actor press twic on the reshelve request
- 2. System shows the information of the reshelve request

# 3.7 Department

# **UC-23** FR-39

Use Case: Add department

Actor: Management employee

Pre-Condition: Actor is already in department page Post-Condition: New department has been saved

#### Main Success Scenario

- 1. Actor presses on create
- 2. System shows create department page
- 3. Actor fills the department name
- 4. Actor fills department job titles
- 5. Actor fills in all required information
- 6. Actor presses confirms
- 7. System Shows the new department has been established successfully

#### Extensions:

6a: Not all information is added

- 1. System gives a message telling the actor to enter the information
- 2. Return to MSS step 5

# UC-24

FR-40

Use Case: View department.

Actor: Manager

Pre-Condition: Actor is already on departements page

Post-Condition: Information on the selected department is shown

#### Main Success Scenario

- 1. Actor selects a department
- 2. System displays departments information

FR-41

Use Case: Update department.

Actor: Manager

Pre-Condition: Actor is already on departements page Post-Condition: A department has been updated

#### Main Success Scenario

- 1. Actor selects a department
- 2. System displays departments information
- 3. Actor changes the given information
- 4. Actor confirms
- 5. System saves the edited information

#### Extensions:

4a: Not all information is added

- 1. System gives a message telling the actor to enter the information
- 2. Return to MSS step 3

#### UC-26

FR-42

Use Case: Remove department.

Actor: Manager

Pre-Condition: Actor is already on departements page Post-Condition: A department has been removed

#### Main Success Scenario

- 1. Actor selects the department
- 2. Actor presses on delete
- 3. System ask for confirmation
- 4. Actor Confirm
- 5. System ask for password to authenticate the delete
- 6. Actor fills in the password
- 7. Actor confirms
- 8. System shows that the department has been deleted successfully

#### Extensions:

2a: No department is selected

- 3. System gives a message telling the actor to select a department
- 4. Return to MSS step 1

#### 3.8 Notification

#### UC-27

FR-62

Use case: Make Announcements on the website

Actor: Manager

Pre-condition: Actor opened announcements page

Post-condition: Announcement is made

#### Main Success Scenario

- 1. Actor fills in all the information about the announcement
- 2. Actor chooses the job titles
- 3. Actor chooses the departments
- 4. Actor chooses on which platform
- 5. Actor confirms
- 6. System saves the new value and sends the announcement to employee

#### Extensions:

2a: Actor didn't choose job title

- 1. System displays the message that the actor has to choose the job title
- 2. Return to MSS step 2

#### 3.9 Others

#### UC-28

FR-33

Use case: View statistics about the employees'

Actor: Human recourses/management/managers Pre-condition: Actor is logged in to the system Post-condition: Employee statistics are displayed

#### Main Success Scenario:

- 1. Actor select home page
- 2. System shows a statistics page with the employee statistics.

#### UC-41

FR-34

Use case: View statistics about products

Actor: Sales representative/depot/management/administration

Pre-condition: Actor is logged in to the system Post-condition: Product statistics are displayed

#### Main Success Scenario:

- 1. Actor select home page
- 2. System shows a statistics page with the product statistics.

#### UC-42

FR-35

Use case: View statistics about departments

Actor: management

Pre-condition: Actor is logged in to the system Post-condition: Department statistics are displayed

#### Main Success Scenario:

- 1. Actor select home page
- 2. System shows a statistics page with the department statistics.

# **UC-43** FR-63

Use Case: Adjust settings

Actor: Employee

Pre-Condition: Actor is already on setting page Post-Condition: Settings has been changed

### Main Success Scenario

- 1. Actor selects a setting
- 2. Actor chooses to disable or enable
- 3. Actor confirms the changes
- System shows the changes got saved

## 4 Use cases website

## 4.1 General functions

# UC-29

FR-45

Use Case: Login to the website

Actor: Employees

Pre-condition: Actor opens the website

Post-condition: System displays a login page

#### Main Success Scenario:

- 1. Actor enters their username and password
- 2. Actor selects the login button
- 3. System displays a profile

### Extensions:

2a: No text entered

- 1. System tells actor to fill up all the boxes
- 2. Return to MSS 1

2b: Wrong information entered

- 1. System tells actor that wrong info is entered
- 2. Return MSS 1

# UC-30

FR-46

Use Case: Logout of website

Actor: Employees

Pre-condition: Actor is already logged in the system

Post-condition: Login page is opened

## Main Success Scenario:

- 1. Actor selects logout option
- 2. System closes actor's page
- 3. System opens login page

# UC-31

#### FR-47

Use Case: Change password on the website

Actor: Employees

Pre-condition: Actor logs in for the first time on the website.

Post-condition: System shows the password changed successfully.

#### Main Success Scenario:

- 1. Actor enters the credentials.
- 2. Actor selects the login button
- 3. System displays form.
- 4. Actor fills the new password in the fields.
- 5. Actor clicks on save.
- 6. System shows that the password changed successfully.

#### Extensions:

- 2a: No text entered
- 1. System tells actor to fill up all the boxes
- 2. Return to MSS 1
- 2a: wrong credentials
- 3. System shows that the credentials are wrong.
- 4. Return to MSS 1

# UC-32

FR-48

Use Case: Edit Profile

Actor: Employees

Pre-Condition: Actor is logged into the website Post-Condition: System displays profile page

#### Main Success Scenario:

- 1. Actor selects what he wants to edit(optional)
- 2. Actor enter new value(s)
- 3. Actor submit new value(s)
- 4. System displays new entered value(s)

## Extensions:

- 2a. There is no new value(s)
- 1. End of the Use Case

# **UC-33** FR-49

Use Case: View Schedule

Actor: Employees

Pre-condition: Actor is logged into the website

Post-condition: System displays view schedule page

# Main Success Scenario:

- 1. Actor selects schedule on page
- 2. System shows the schedule page

## 4.2 Availability

### UC-34

FR-50

Use case: Register sick

Actor: Employee

Pre-Condition: Actor on register sick page

Post-Condition: Actor reported sick

#### Main Success Scenario:

- 1. Actor selects the reason
- 2. Actor sets the start date
- 3. Actor confirms the report
- 4. System shows that the report was sent successfully

#### Extensions:

- 1a. Actor selects another
  - 1. Actor fills the reason
  - 2. Return to MSS step 2
- 3.a: Reason is not selected
  - 1. System shows that there is no reason selected
  - 2. Return to MSS step 1
- 3. b: Start date isn't settled
  - 1. System shows the start date isn't settled
  - 2. Return to MSS step 2
- 3. c: Reason isn't filled when selecting other
  - 1. System actor to fill the reason.
  - 2. Return to MSS step 1

#### UC-35

FR-51

Use case: Register Better

Actor: Employee

Pre-Condition: Actor on unavailability page Post-Condition: Actor reported better

### Main Success Scenario:

- 1. Actor selects the end date
- 2. Actor confirms the report
- 3. System shows that the report sent successfully

# UC-36

FR-53

Use Case: Add Unavailability

Actor: Employee

Pre-Condition: Actor is on Unavailability page.

Post-Condition: Employee added her/his Unavailability.

#### Main Success Scenario

- 1. Actor selects the shifts
- 2. Actor confirms the selected shifts
- 3. System shows the Unavailabilityis been submitted successfully

#### Extensions:

- 1a. Actor doesn't selected any shift
  - 1. System shows there are no shifts selected.
  - 2. System asks the actor if they want to submit no shifts.
  - 3. Actor confirms
  - 4. System shows the Unavailability is been submitted successfully
  - 5. End of use case

#### 4.3 Others

UC-37

FR-66

Use Case: Adjust settings

Actor: Employee

Pre-Condition: Actor is already on setting page Post-Condition: Settings has been changed

## Main Success Scenario

- 1. Actor selects a setting
- 2. Actor chooses to disable or enable
- 3. Actor confirms the chanegs
- 4. System shows the changes got saved

# 5 GUI

# 5.1 Desktop application

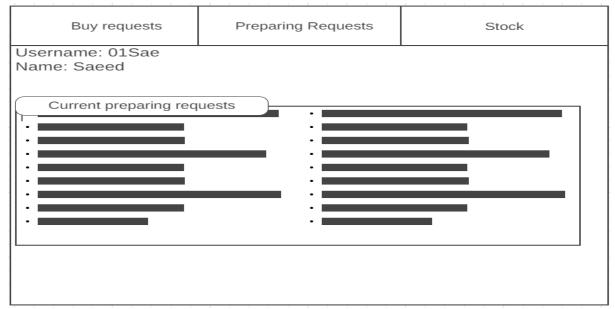
# 5.1.1 Log in

Below you see the login page.

Media Bazaar	
Username	
Password	
Forgot your Username or password?	
Log in	$\supset$

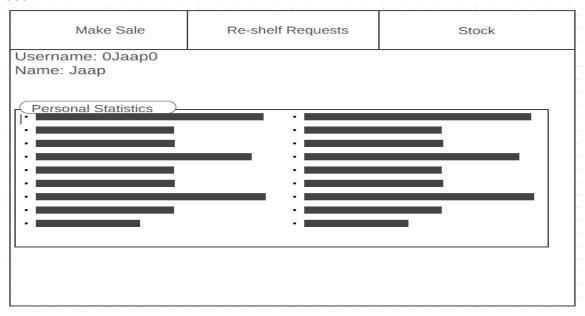
# 5.1.2 Home Logistics employee

This is the homepage for the depot worker. They can go to the desired pages using the buttons at the top. On the left, you can see personal information about the employee. On the middle, there are the assigned requests information for that depot employee



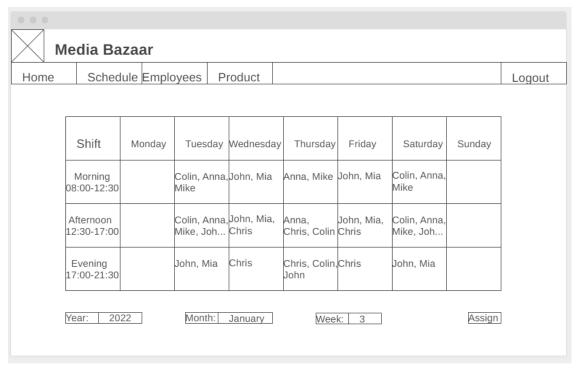
## 5.1.3 Home sales representative

This is the home page for the sales representative. They can go to the desired pages using the buttons at the top. In the middle, you can see statistics about the sales for the logged-in user.



### 5.1.4 Home Human Resources

This is the home page for human resources. They can go to the desired pages using the buttons at the top. In the middle, you can see the schedule of the week. On the middle left, there will see their username and name.



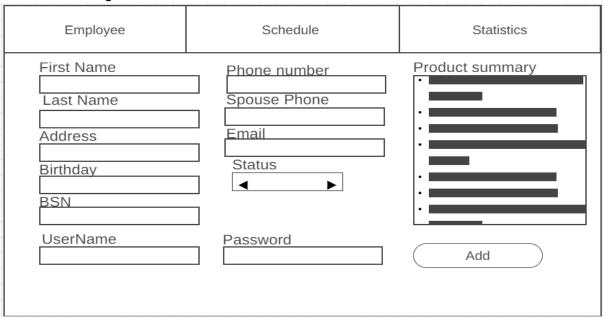
## **5.1.5 Scheduling Human Resources**

On this page you can schedule an employee. At the top you can search for an employee by using their name or date of birth or the job title after you find the employee you can assign them by selecting the shift in the schedule and which week of the year in the middle of the page and clicking assign, when you are done with scheduling you have to save it, to let the others get the new version of the schedule.



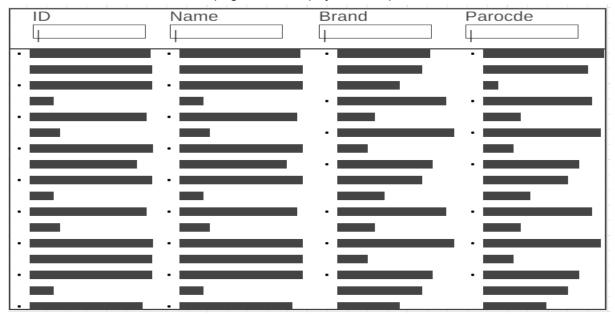
## **5.1.6 Adding Employee Human Resources**

This is the page where the Human Resource department adds new employees, by filling the fields and clicking add.



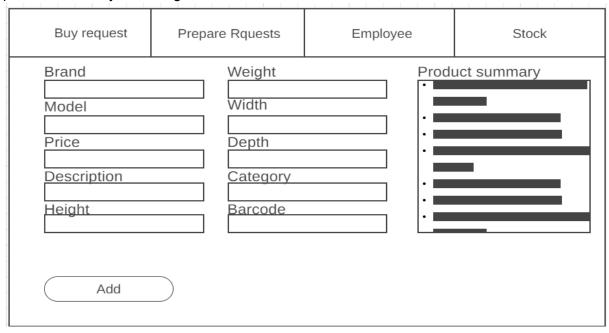
# 5.1.7 Stock searching page

This is an overview of the stock page. At the top, you see options to filter with.



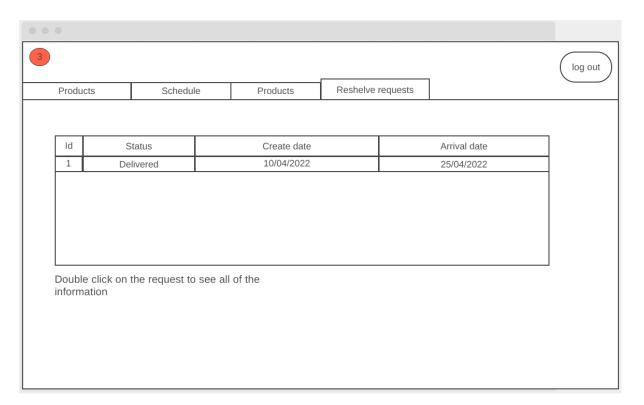
# 5.1.8 Add product page

This page where you can add product by filling the fields and clicking add, you will find product summary on the right.

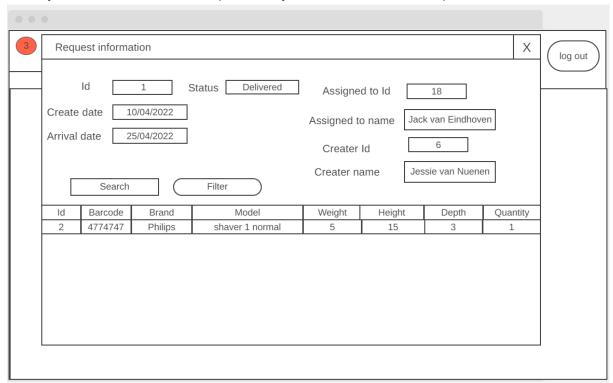


## 5.1.9 View reshelve request page

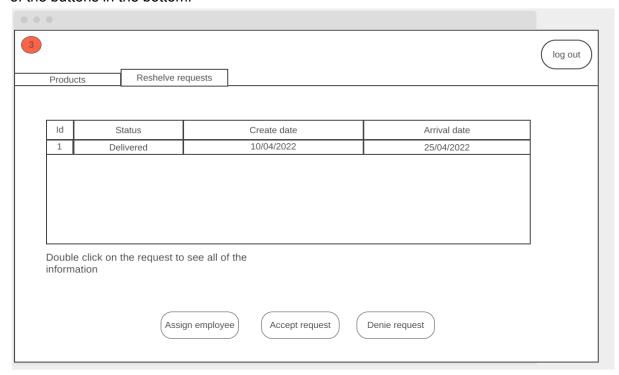
In this page you can see all of the reshelve requests in the box and by double click on the raw of the request you will be able to see more information about the request. The one on the top is the page for admins, the one at the bottom for depot managers.



When you double click on the request raw you will see form with request information.

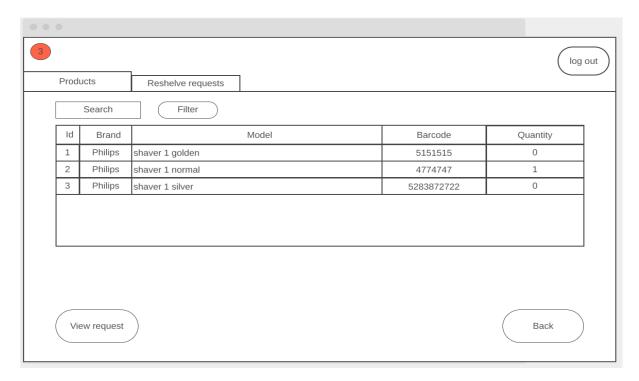


In this page depot manager can accept and deny request by selecting them and clicking one of the buttons in the bottom.

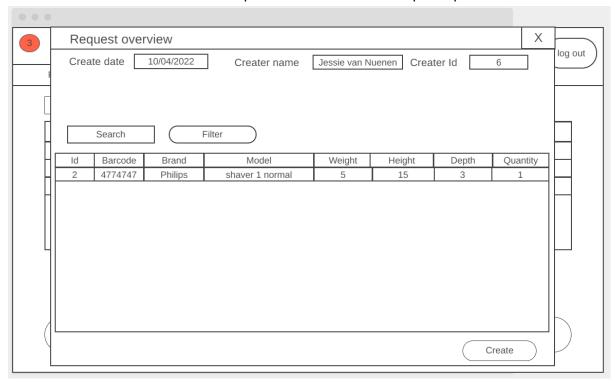


## 5.1.10 Create reshelve request page

In creating a reshelve page sales representatives can make a product request by increasing the quantity of the product in the table in the middle of the page, and they can search for the product by typing in the search box in the top left of the page, and clicking the filter button. In the bottom left they can click on the button to view the request and order it.

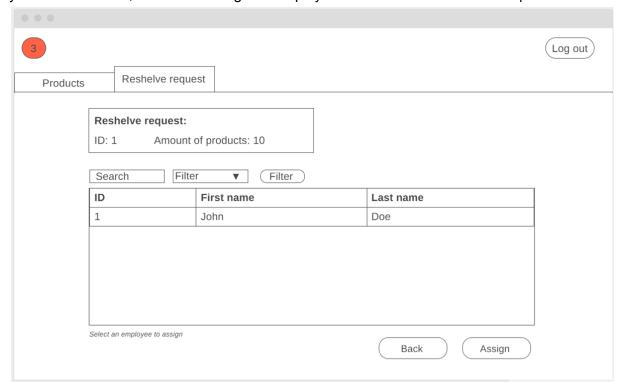


In overview reshelve requests they can view the request and adjust the quantity by clicking on the quantity cell and change the amount. Lastly after checking the information they can click on the create button and the request will be sent to the depot department.



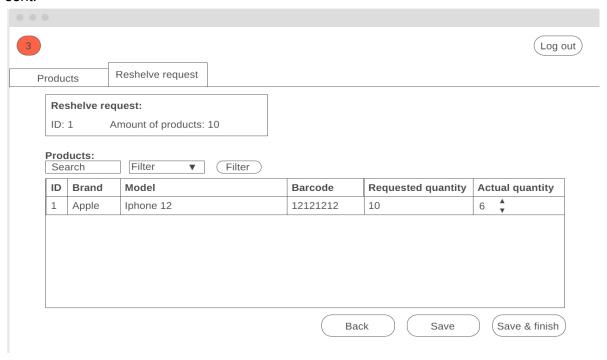
## 5.1.11 Assign employee to do reshelve request page

After selecting a request and clicking assign in the view page, this page will be opened. Here you can search for, select and assign an employee to the selected reshelve request.



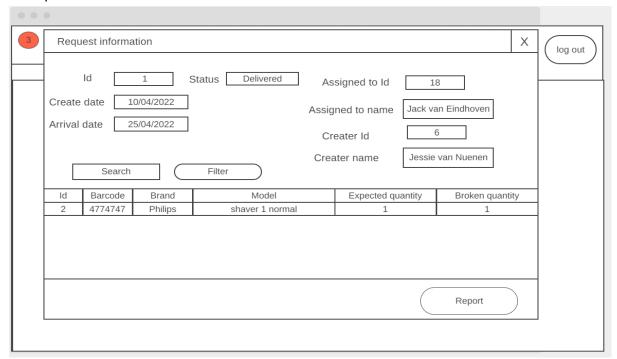
## 5.1.12 Preparing reshelve request page

Below you see the page for the depot employees to prepare the request. This means that they can register how many items they have ready to send to the store. This is registered in 'actual quantity'. To save the changes you click 'save', if the request is done and ready to be send, you can click 'Save & finish'. This will save the changes and set the request status to sent.



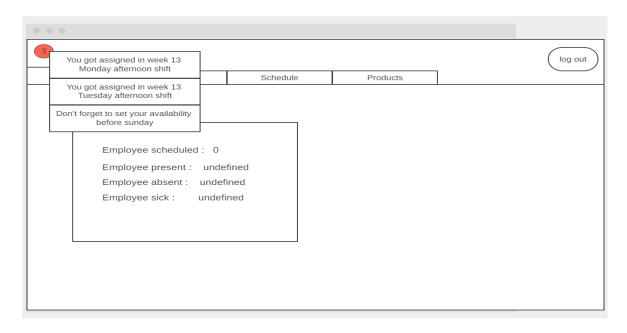
## 5.1.13 Register broken in reshelve request page

In this page you can report broken by entering the amount of broken in the new cell of the Expected quantity column. After that you can just click the report button and it will register the report.



## 5.1.14 View notification

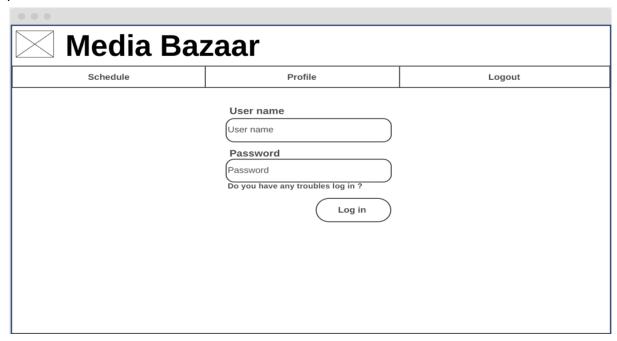
In the top left you can see the notifications caused by actions in the system.



### 5.2 Wireframe for the Website

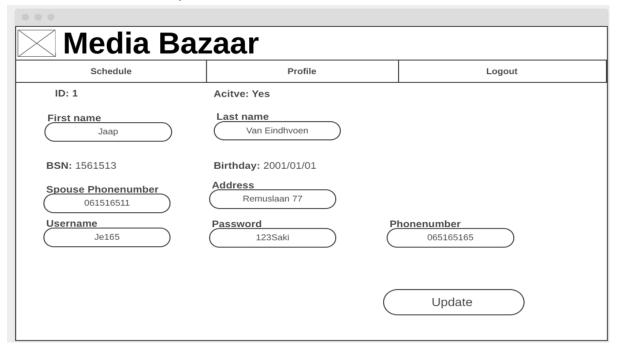
# 5.2.1 Log in

Below you can see log in page you will be able to see Media Bazaar logo. You will be able to login by filling the user name and the password in the boxes after that you will have to click on log in button. Incase of log in issues you will be able to double click on the label under the password box to see more information in case of that.



### 5.2.2 Personal information

In this page Employee will be able to view them information and adjust them by changing them in the box and click update.



# 5.2.3 View employee schedule

In this page employees can see their schedule for current and incoming weeks.



## 5.2.4 View notification

In the top left you can see the notifications caused by actions in the system.

