***User Requirements Specification***

Software solution for “Media Bazaar” GROUP 1

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Date: 19/06/2021

Version: 1.8

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## Agreements with client

### Sides:

Client: Media Bazaar represented by Andre Postma, *“Client”* later in this document.

Contractor: Group 1 (name TREE), *“Contractor”* later in this document.

### Agreements:

1. Contractor does the problem analysis.
2. Contractor prepares the problem solution in form of information system.
3. Contractor implements the solution in form of standalone software application for Windows operating system and a website.

Application is intended for employee management and shift scheduling. More information can be found in the “Project plan document. Software solution for Media Bazaar.”

The website is intended to be used by the employees to view their schedule, announcements, edit personal details and send messages to admins if something occurs and they can’t attend work.

1. Team presents the product to the Client.
2. First phase of the project must be completed before March 25th.
3. Second phase of the project must be completed before May 9th.
4. Third phase of project must be completed before June 6th.

## Functional requirements

* All the requirements were discussed with client. *“User” later in the document is an abstract alias to describe the functionality.*
* *MoSCoW table represents four levels of task prioritizing. The abbreviation stands for Must, Should, Could and Won’t. You may find it in the column 4 (“Priority”).*

*We consider it crucially important to define priorities before implementation phase, so both developers and client have realistic expectations on project results.*

* *Naming convention:*

*{FR-(Abbreviation from user’s type name)-(count in two-digit format)}*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Description | Priority |  |
| **Administration side- Application** | | | |  |
| **FR-A-01** | Login | User can login to the system with personal credentials | Must | US-A-01 |
| **FR-A-02** | Logout | User can logout of the system | Must | US-A-02 |
| **FR-A-03** | Change password | User can change the password | Must | US-A-03 |
| **FR-A-04** | View employees | User can view list of employees | Must | US-A-04 |
| **FR-A-05** | View employee’s details | User can view employee’s details | Must | US-A-05 |
| **FR-A-06** | Add employee | User can add new employee to the system  *See “Appendix A” for*  *information stored about employees* | Must | US-A-06 |
| FR-A-07 | Update employee | User can update employee information | Must | US-A-07 |
| FR-A-08 | Modify employee status | User can modify employee status  (Not started yet, working, stopped) | Must | US-A-07 |
| FR-A-09 | View  shift schedule | User can view overall work shift schedule for a selected period of time. | Must | US-A-08 |
| FR-A-10 | Assign  shifts to employee | User can assign one of the three shifts to employee.   * 1. Morning   (7:00 – 15:00)   * 1. Day   (15:00 – 23:00)   * 1. Night   (23:00 – 7:00) | Must | US-A-09 |
| FR-A-11 | Update  employee’s schedule | User can update information concerning employee’s schedule. | Must | US-A-10 |
| FR-A-12 | Cancel  employee’s  shift | User can cancel shift assignment for the employee | Must | US-A-11 |
| FR-A-13 | Add  administrator | User can add new administrator to the system | Should | US-A-12 |
| FR-A-14 | Add  manager | User can add new manager to the system | Should | US-A-13 |

***Waterfall phase (until March 25th):***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Description | Priority |  |
| **Management side- Application** | | | |  |
| **FR-M-01** | Login | User can login to the system with personal credentials | Must | US-A-01 |
| **FR-M-02** | Change password | User can change the password | Must | US-A-02 |
| **FR-M-03** | View employees | User can view list of employees | Must | US-A-03 |
| FR-M-04 | View employee’s details | User can view employee’s details | Must | US-A-04 |
| FR-M-05 | View  shift schedule | User can view overall work shift schedule for a selected period of time. | Must | US-A-05 |
| FR-M-06 | View statistical information | User can view statistical information.  ***For a selected date :***   1. Total number of employees. 2. Total salary paid. 3. Total number of hours worked.   ***For a selected time period:***   1. Average number of employees per work shift. 2. Total salary paid to all employees. 3. Average hourly wage per employee 4. Total number of hours worked by all employees. 5. Average number of hours worked by an employee. 6. Filtered based on selected deparment | Should | US-A-06 |

*Please note: More than one iteration is expected soon. In the section bellow we describe first iteration of length of 3 weeks (until June 6th , 2021).*

*See “Project plan. Phasing” for more details.*

***Iteration I (until April 18th):***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Description | Priority | Use case |
| **Employee side - Website** | | | | |
| **FR-E-01** | Login | User can login to the website with personal credentials. | Must | US-W-01 |
| **FR-E-02** | Logout | User can logout from the system. | Must | US-W-02 |
| **FR-E-03** | Change password | User can change his/her password | Must | US-W-03 |
| **FR-E-04** | Change first name | User can change his/her first name | Must | US-W-04 |
| **FR-E-05** | Change last name | User can change his/her last name | Must | US-W-04 |
| **FR-E-06** | Change Address | User can change his/her address | Must | US-W-04 |
| **FR-E-07** | Change email address | User can change his/her email address | Must | US-W-04 |
| **FR-E-08** | Change username | User can change his/her username | Must | US-W-04 |
| **FR-E-09** | Change password | User can change his/her automated generated password | Must | US-W-04 |
| **FR-E-10** | View schedule | User can view own schedule for a certain week. | Must | US-W-05 |
| **FR-E-11** | Set preferences on schedule | User can set preferences (e.g., days off) on working schedule.  *See “Appendix B. Availability for shifts” for*  *Preferences arrangement.* | Must | US-W-06 |
| **FR-E-12** | Send message to administrators | User can contact administrators via message. | Should | US-W-07 |
| **FR-E-13** | View announcements | User can view announcements. | Could | US-W-08 |

***Iteration II (until May 9th):***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Description | Priority | Use case |
| **Administrator side - Application** | | | | |
| **FR-A-14** | View list of products in stock | User can view list of products in stock.  *See “Appendix C: for*  *details.* | Must | US-A-13 |
| **FR-A-15** | Add product | User can add product to the system.  *See “Appendix C: for*  *details.* | Must | US-A-14 |
| **FR-A-16** | Modify product’s  name | User can modify product’s  name*.* | Must | US-A-15 |
| **FR-A-17** | Modify product’s  cost price | User can modify product’s  cost price. | Must | US-A-15 |
| **FR-A-18** | Modify product’s  selling price | User can modify product’s  selling price. | Must | US-A-15 |
| **FR-A-19** | Modify product’s size | User can modify product’s  size. | Must | US-A-15 |
| **FR-A-20** | Modify product’s department | User can modify product’s  department. | Must | US-A-15 |
| **FR-A-21** | Modify restocks  threshold. | User can modify restocks  threshold. | Should | US-A-16 |
| **FR-A-22** | Delete product from the system. | User can delete product from the system | Must | US-A-17 |
| **FR-A-23** | Notify product stock is low | User is notified when the number of items in stock is below the restock threshold | Must | US-A-17 |
| **FR-A-23** | Send a restock request. | User can send a stock request (Product and amount). | Must | US-A-18 |
| **FR-A-24** | Receive message from stock request | User is notified if the request has been accepted or declined by the depot | Must | US-A-18 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Description | Priority | Use case |
| **Depot worker side- Application** | | | | |
| **FR-D-1** | Login | User can log in. | Must | US-D-1 |
| **FR-D-2** | Logout | User can logout | Must | US-D-2 |
| **FR-D-3** | View list of requests. | User can view a list of restock requests. | Must | US-D-3 |
| **FR-D-4** | Accept restock request. | User can accept restock request. | Must | US-D-4 |
| **FR-D-4** | Reject restock request. | User can reject restock request. | Must | US-D-5 |
| **FR-D-5** | Send restock request to depot. | User can send restock request to depot workers | Must | US-D-6 |

***Iteration III (until June 6th):***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Description | Priority | Use case |
| **Administrator side- Application** | | | | |
| **FR-A-25** | View list of departments in stock | User can view list of departments.  *See “Appendix D: for*  *details.* | Must | US-A-25 |
| **FR-A-26** | Add department | User can add new department.  *See “Appendix D: for*  *details.* | Must | US-A-26 |
| **FR-A-27** | Modify department ’s  name | User can modify departments’  name*.* | Must | US-A-27 |
| **FR-A-28** | Modify department ’s  Manager. | User can modify department’s  cost price.  \*Fixed contract only | Must | US-A-28 |
| **FR-A-29** | Remove  department | User can remove certain department. | Must | US-A-29 |
| **FR-A-30** | Use auto-scheduling mechanism. | User can input date period and shifts for this period will be scheduled. | Must | US-A-30 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Description | Priority | Use case |
| **Manager side - Application** | | | | |
| **FR-M-07** | View statistics  for employee attendance. | User can view statistics for employee attendance. | Must | US-M-07 |
| **FR-M-08** | View statistics  for employee attendance and for product  per department. | User can view statistics for employee attendance and for product per department. | Must | US-M-08 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Description | Priority | Use case |
| **Employee side - Website** | | | | |
| **FR-E-14** | Check-in for certain shift. | User can check-in for a chosen shift.  \*only for the future shift in the day of check in. | Must | US-W-09 |
| **FR-E-15** | Check-out for certain shift. | User can check-out for a chosen shift.  \*only for the past shift in the day of check in. | Must | US-W-10 |

***Iteration IV (until June 20th):***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Description | Priority | Use case |
| **Employee side - Website** | | | | |
| **FR-E-16** | Call in sick | User can call in sick for their upcoming shift | Must | US-W-10 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Description | Priority | Use case |
| **Administrator side - Application** | | | | |
| **FR-A-31** | View employees who called in sick | User can view employees who called in sick | Must | US-A-31 |
| **FR-A-32** | Assign new department manager | User can assign a new manager to a particular department | Must | US-A-32 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | Description | Priority | Use case |
| **Manager side - Application** | | | | |
| **FR-E-16** | Call in sick | User can call in sick for their upcoming shift | Must | US-W-10 |

***Use cases – Application***

1. ***US-A-01: Administrator logs in***

Actors: Administrator

Requirement(s): ***FR-A-01***

Main Success Scenario:

1. Administrator runs on app icon.
2. Login form is open.
3. Administrator inputs login and password.
4. Administrator presses “Log in”.
5. Administrator form is open.

Extension:

1. Field is empty

a. Notify user.

2. Login is incorrect

a. Notify user.

3. Password is incorrect

a. Notify user.



1. ***US-A-02: Administrator logs out***

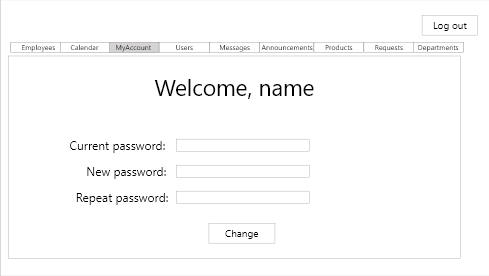
Actors: Administrator

Requirement(s): ***FR-A-02***

Main Success Scenario:

1. Administrator clicks on “Log out”.

2. Log in form is opened.



1. ***US-A-02: Administrator changes password***

Actors: Administrator

Requirement(s): ***FR-A-02***

Main Success Scenario:

1. Administrator clicks on “MyAccount”.
2. Administrator inserts current password.
3. Administrator inserts new password.
4. Administrator repeats new password.
5. Administrator clicks on *“Change”.*
6. System shows that information has been successfully updated.

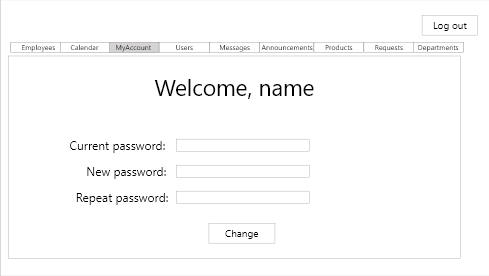
Extension:

1. Field is empty

a. Notify user.

2. Current password is wrong.

a. Notify user.



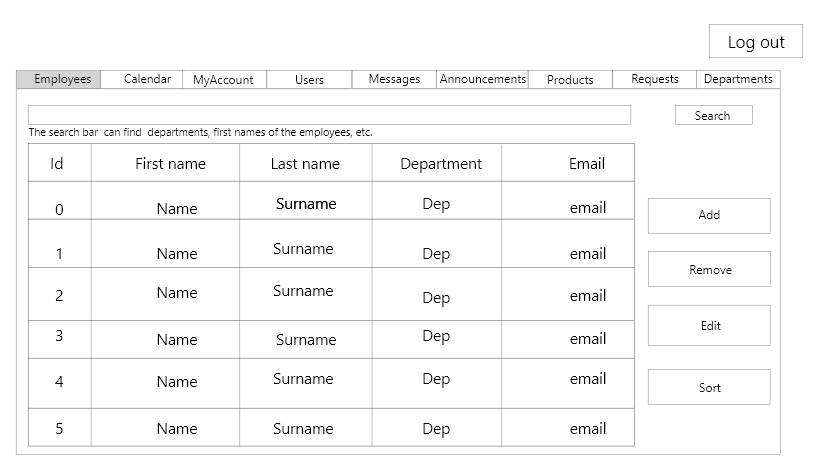
1. ***US-A-04: Administrator views the list of employees***

Actors: Administrator

Requirement(s): ***FR-A-04***

Main Success Scenario:

1. Administrator clicks on “Employees”.
2. Grid with employee information is shown



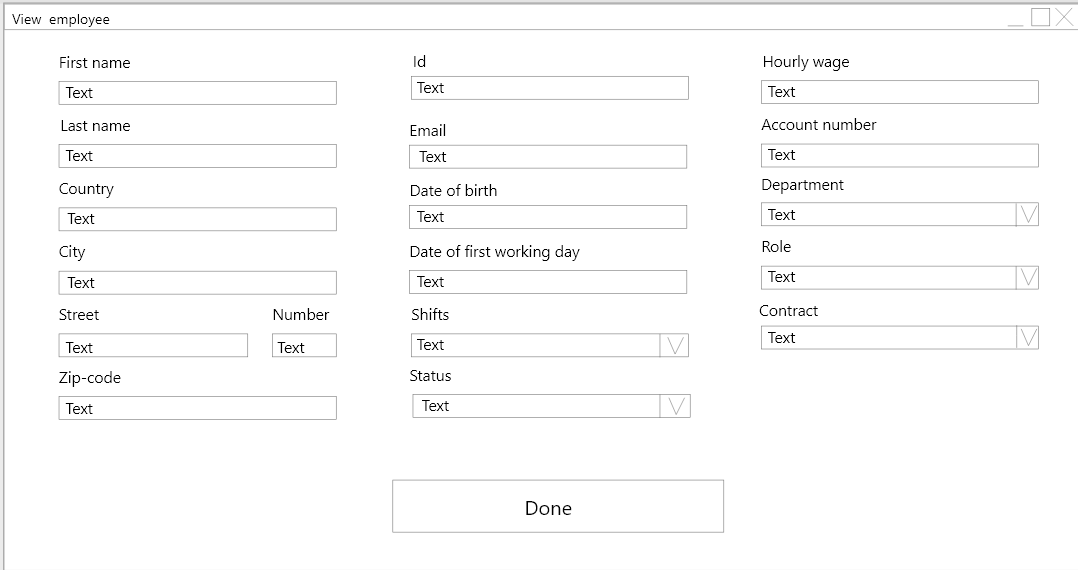
1. ***US-A-05: Administrator view details of certain employee***

Actors: Administrator

Requirement(s): ***FR-A-05***

Main Success Scenario:

1. Administrator clicks on “Employees”.
2. Grid with employee information is shown.
3. Administrator clicks on certain row.
4. Row, representing a certain employee is now selected.
5. Administrator clicks on view
6. Separate form with details is opened.



*Please note: In this case fields are read-only. Meaning one can read but not modify.*

1. ***US-A-06: Administrator adds new employee to the system***

Actors: Administrator

Requirement(s): ***FR-A-06***

Main Success Scenario:

1. Administrator clicks on “Employees”.
2. Administrator clicks on “Add employee”.
3. Separate form is opened.
4. Administrators insert all the data needed. *(See Appendix A for details)*
5. Administrator clicks on “Add”.
6. System notifies user that new employee was successfully added.
   1. Automatically generated password is shown on the screen
      1. Administrator writes it down on paper and closes the window with password.

Extension:

1. Field is empty

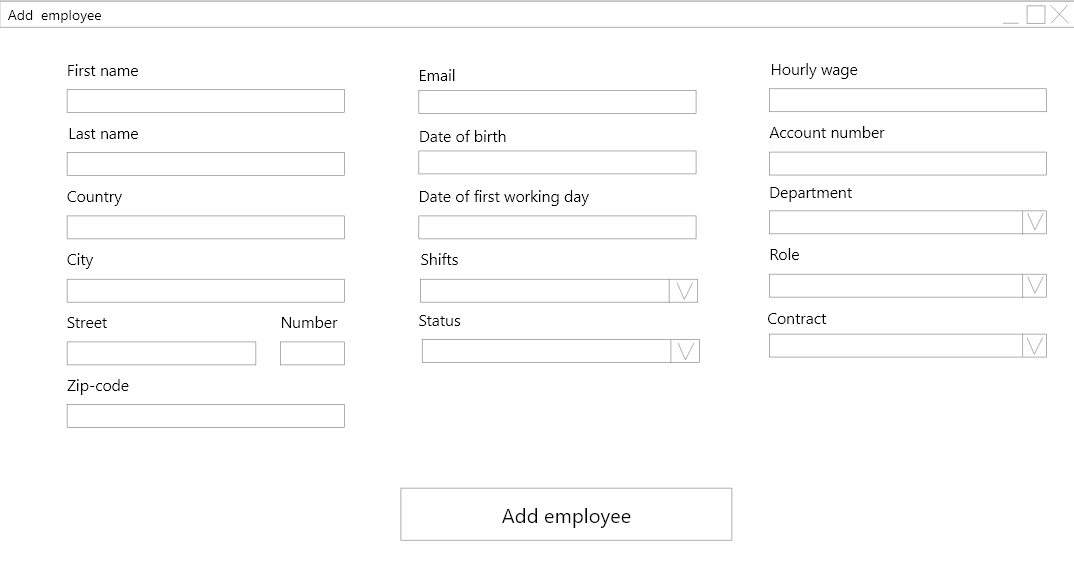
a. Notify user.

2. Email is invalid format.

a. Notify user.

3. Name is invalid format.

a. Notify user.



1. ***US-A-07: Administrator updates employee information***

Actors: Administrator

Requirement(s): ***FR-A-07, FR-A-08***

Main Success Scenario:

1. Administrator clicks on *“Employees”.*
2. Grid with employee information is shown.
3. Administrator clicks on certain row.
4. Row, representing a certain employee is now selected.
5. Administrator clicks on *“Edit”.*
6. Separate form with details is opened.
7. Administrator may change certain fields.
8. Employee status may be changed.

Extension:

1. Field is empty.

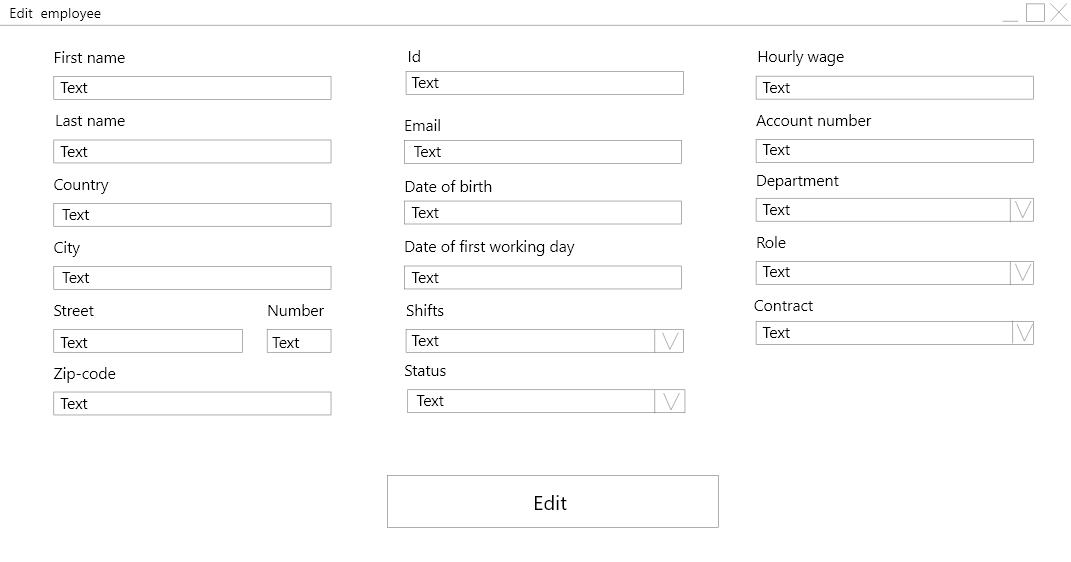
a. Notify user.

2. Email is invalid format.

a. Notify user.

3. Name is invalid format.

a. Notify user.



*Please note: Only certain field may be modified. See “Appendix A” for more details.*

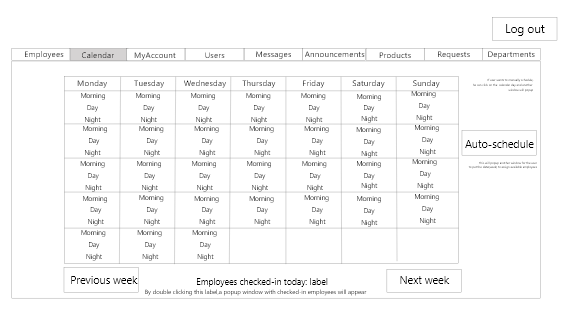
1. ***US-A-08: Administrator* views overall work shift schedule for a selected period.**

Actors: Administrator

Requirement(s): ***FR-A-09***

Main Success Scenario:

1. Administrator clicks on *“Schedule”.*
2. Administrator selects the certain dates
3. Schedule with requested dates is shown.
4. Administrator clicks on certain shift.
5. Separate form with details is opened.
6. Administrator sees the list of employees assigned to the shift.
7. Administrator clicks on *“Done”.*

******

*A label referenced by red arrow (See picture above) is a button. Clicking on it opens a separate window (See next page).*

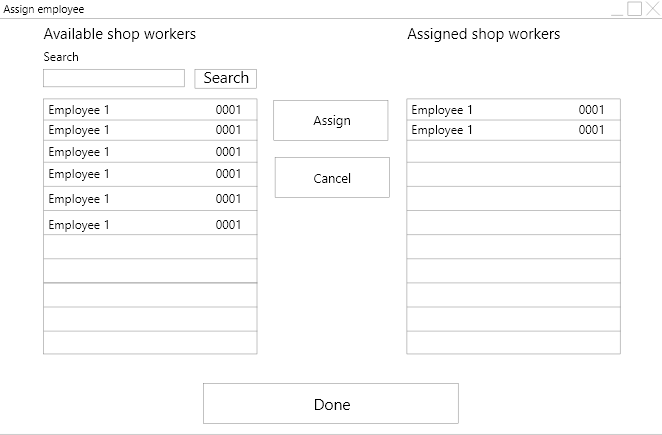
1. ***US-A-09: Administrator assigns shift to employee***

Actors: Administrator

Requirement(s): ***FR-A-10***

Main Success Scenario:

1. Administrator clicks on *“Schedule”.*
2. Administrator selects the certain dates
3. Schedule with requested dates is shown.
4. Administrator clicks on certain shift.
5. Separate form with details is opened.
6. Administrator sees the list of available employees.
7. Administrator chooses employee from the list.
8. Administrator clicks on *“Assign”.*
9. Administrator clicks on *“Done”.*

******

*In the separate window administrator can see the list of available shop workers and list of shop workers assigned for this shift.*

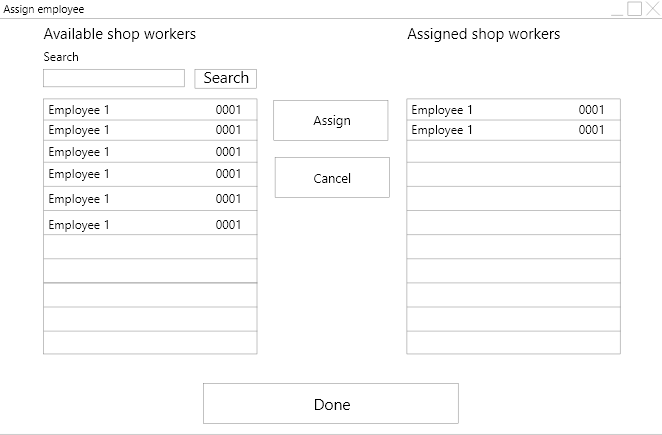
1. ***US-A-10: Administrator updates the schedule***

Actors: Administrator

Requirement(s): ***FR-A-11, FR-A-12***

Main Success Scenario:

1. Administrator clicks on *“Schedule”.*
2. Administrator selects the certain dates
3. Schedule with requested dates is shown.
4. Administrator clicks on certain shift.
5. Separate form with details is opened.
6. Administrator sees the list of employees.
7. Administrator chooses employee from the list
8. Administrator clicks on *“Cancel”.*
9. Administrator clicks on *“Done”.*

******

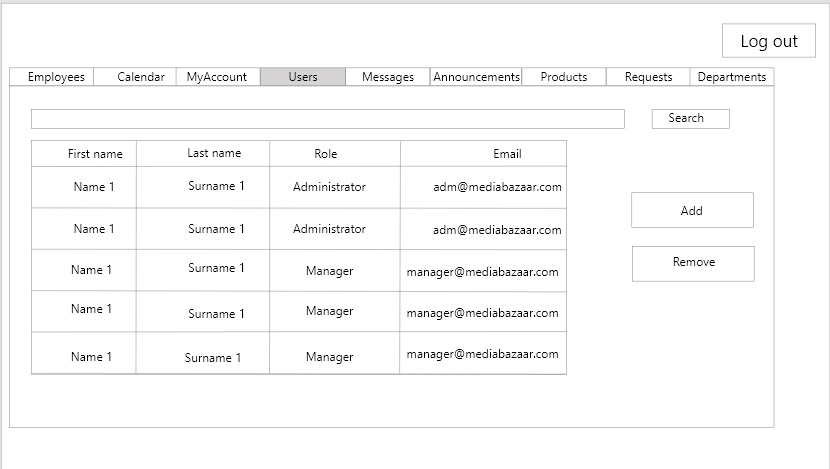
1. ***US-A-11: Administrator adds new user to the system***

Actors: Administrator

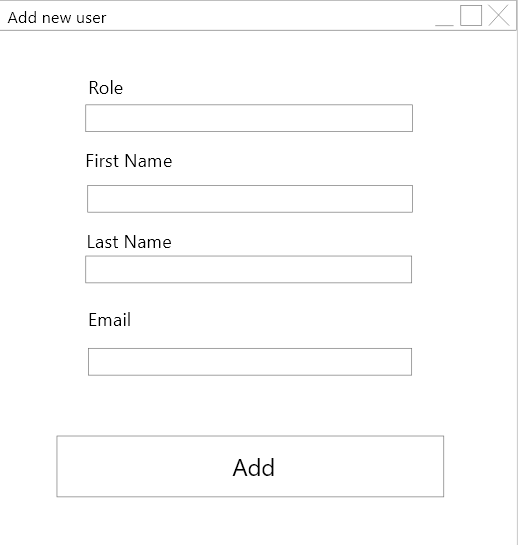
Requirement(s): ***FR-A-13, FR-A-14***

Main Success Scenario:

1. Administrator clicks on *“Users”.*
2. List of accounts is shown.
3. Administrator clicks on *“Add”.*
4. Separate form is opened.
5. Administrator fills in the textboxes.
6. Administrator clicks on *“Add”.*

******

*See next page.*

**

*Please note: This is the solution for the first phase of the project. Later more requirements for administrator and manager accounts can be discussed and added.*

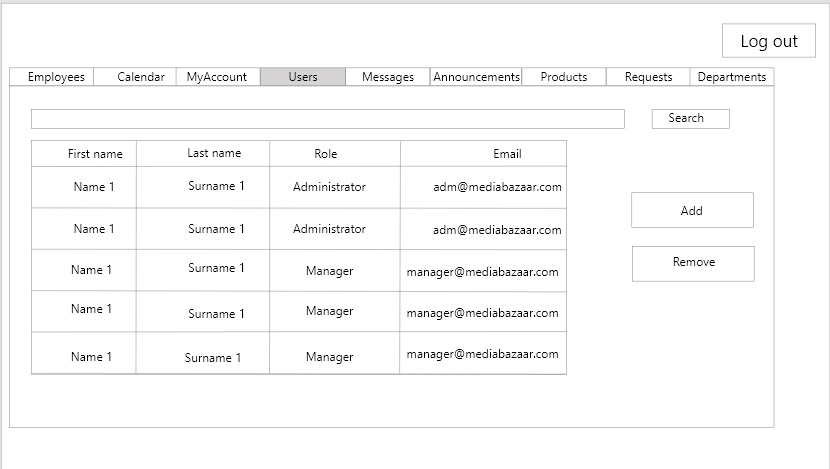
1. ***US-A-12: Administrator removes user from the system***

Actors: Administrator

Requirement(s): ***FR-A-15, FR-A-16***

Main Success Scenario:

1. Administrator clicks on *“Accounts”.*
2. List of accounts is shown.
3. Administrator selects row to remove.
4. Administrator clicks on *“Remove”.*
5. System informs user that operation was successful.

******

1. ***US-A-13: Administrator views list of products in stock***

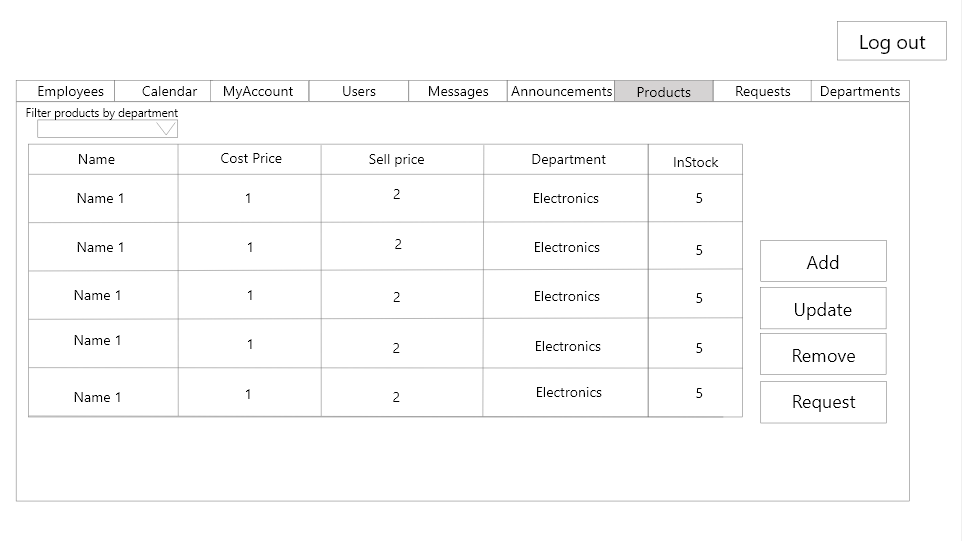
Actors: Administrator

Requirement(s): ***FR-A-14***

Pre-condition: Administrator logged in successfully

Main Success Scenario:

1. Administrator clicks on *“Products” button.*
2. An overview of all products is shown.



1. ***US-A-14: Administrator adds product to the system***

Actors: Administrator

Requirement(s): ***FR-A-15***

Pre-condition: Administrator logged in successfully

Main Success Scenario:

1. Administrator clicks on *“Products”* tab*.*

2. Administrator clicks on “Add product” button

3. Administrator fills in necessary fields

4. Administrator clicks on “Add” button

5. System notifies user that a product was successfully added

Extensions:

5.1. Field is empty

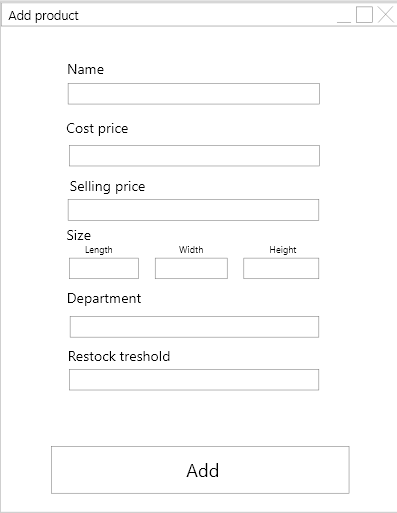
1. Notify user

2. Back to step 3 of MSS

5.2. Field is in wrong format

1. Notify user

2. Back to step 3 of MSS



1. ***US-A-15: Administrator modifies product’s name\****

Actors: Administrator

Requirement(s): ***FR-A-16 to FR-A-20***

Pre-condition: Administrator logged in successfully

Main Success Scenario:

1. Administrator clicks on *“Products”* tab

2. Administrator clicks on a product

3. Administrator clicks on “*Update*” button

4. Administrator changes the necessary field

5. Administrator clicks on the “*Save*” button

Extensions:

5.1. Field is in in correct format

1. Notify user

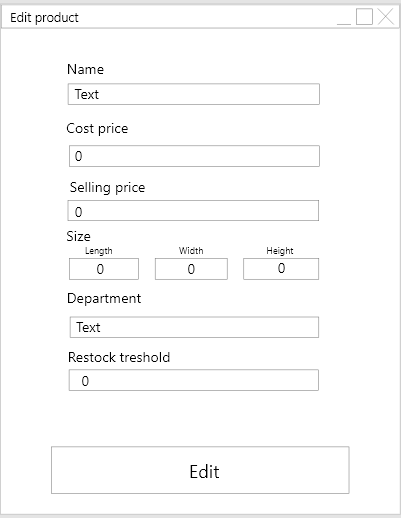
2. Back to step 4 of MSS

5.2. Field is empty

1. Notify user

2. Back to step 4 of MSS

***\*same use-case applies for product’s cost price, selling price, size dimensions, department***

******

1. ***US-A-16: Administrator modifies product’s restock threshold***

Actors: Manager

Requirement(s): ***FR-A-21***

Pre-condition: Administrator logged in successfully

Main Success Scenario:

1. Administrator clicks on *“Products”* tab

2. Administrator clicks on a product

3. Administrator clicks on “*Update*” button

4. Administrator changes the necessary field

5. Administrator clicks on the “*Save*” button

Extensions:

4.1. Field is in in correct format

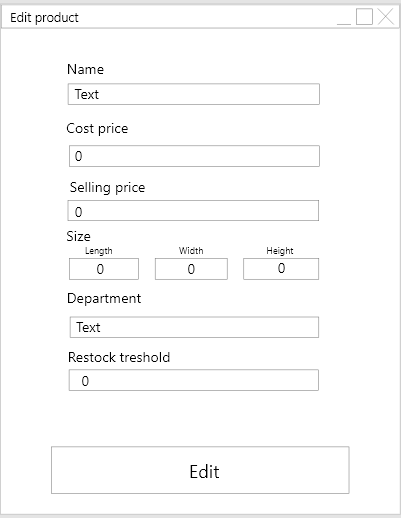
1. Notify user

2. Back to step 4 of MSS

4.2. Field is empty

1. Notify user

2. Back to step 4 of MSS

******

1. ***US-A-17: Administrator deletes product from system***

Actors: Manager

Requirement(s): ***FR-A-22***

Pre-condition: Administrator logged in successfully

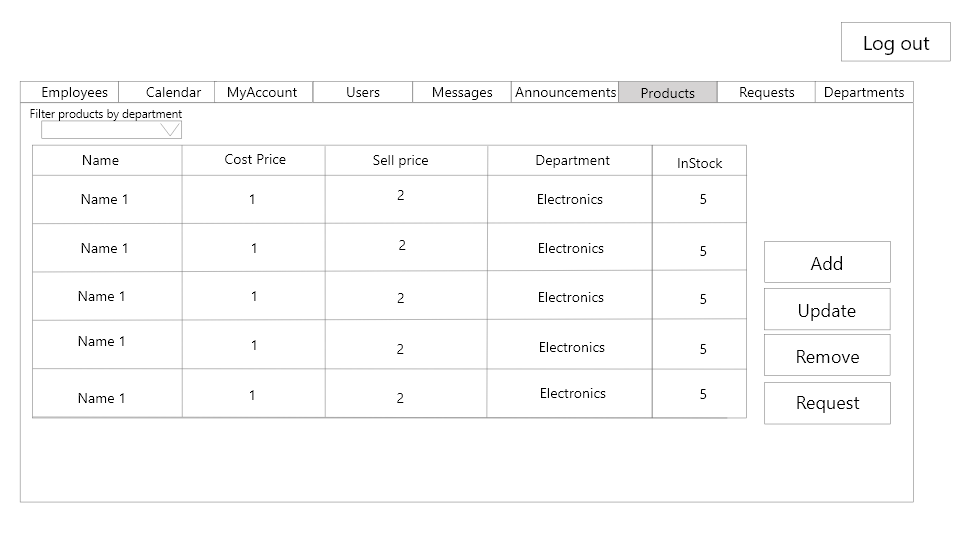
Main Success Scenario:

1. Administrator clicks on “*Products*” tab

2. Administrator clicks on a particular product

3. Administrator clicks on “*Delete*” button and confirms choice

4. System notifies user that the product was deleted successfully



1. ***US-A-18: Administrator sends a stock request (product and amount)***

Actors: Manager

Requirement(s): ***FR-A-23***

Pre-condition: Administrator logged in successfully

Main Success Scenario:

1. Administrator clicks on “*Stock*” tab

2. Administrator clicks on “*Request*” button

3. Administrator inputs product and amount

4. Administrator clicks on “*Request*” button

Extensions:

4.1. Field is in in correct format

1. Notify user

2. Back to step 3 of MSS

4.2. Field is empty

1. Notify user

2. Back to step 3 of MSS



1. ***US-D-01: Depot worker logs in***

Actors: Depot worker

Requirement(s): ***FR-D-01***

Pre-condition: System is running

Main Success Scenario:

1. User inputs username and password

2. User clicks on “*Login*” button

3. System redirects user to Home page

Extensions:

2.1. Username or password is incorrect

1. Notify user

2. Back to step 1 of MSS

2.2. Field is empty

1. Notify user

2. Back to step 1 of MSS



1. ***US-D-02: Depot worker logs out***

Actors: Depot worker

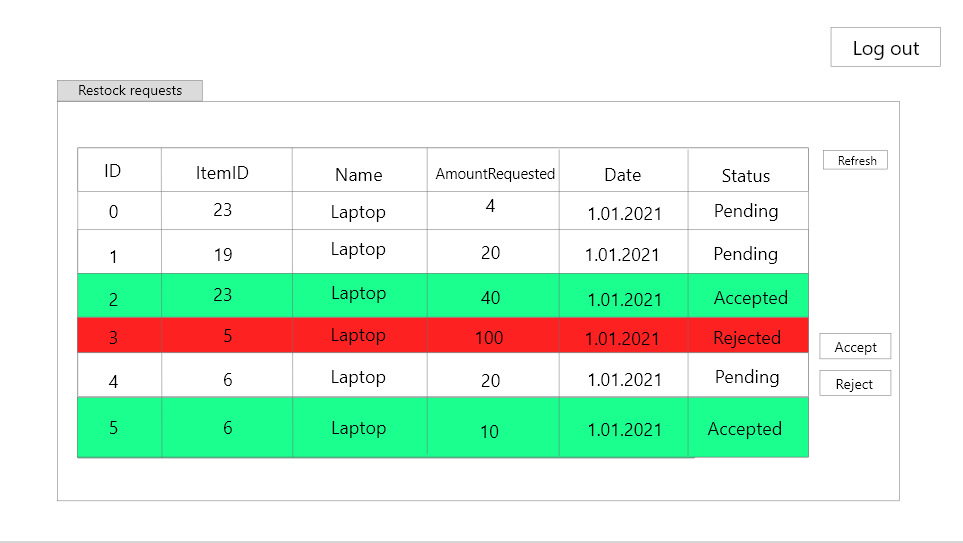
Requirement(s): ***FR-D-02***

Pre-condition: Depot worker logged in successfully

Main Success Scenario:

1. Depot worker clicks on “*Log out*” button

2. System redirects user to Login window



1. ***US-D-03: Depot worker views list of restock requests***

Actors: Depot worker

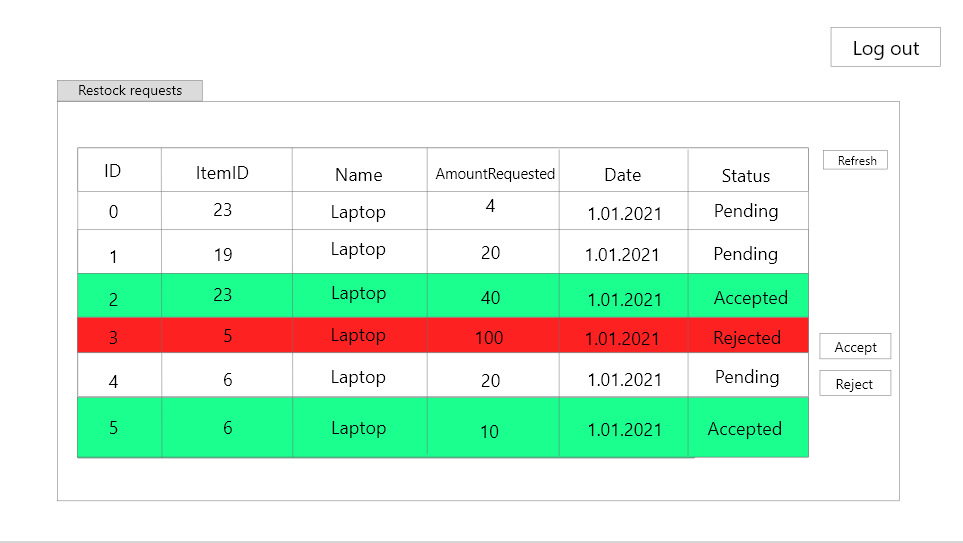
Requirement(s): ***FR-D-03***

Pre-condition: Depot worker logged in successfully

Main Success Scenario:

1. Depot worker is redirected to Home page with restock requests after login

2. Depot worker is presented the list of current restock requests



1. ***US-D-04: Depot worker accepts restock request***

Actors: Depot worker

Requirement(s): ***FR-D-04***

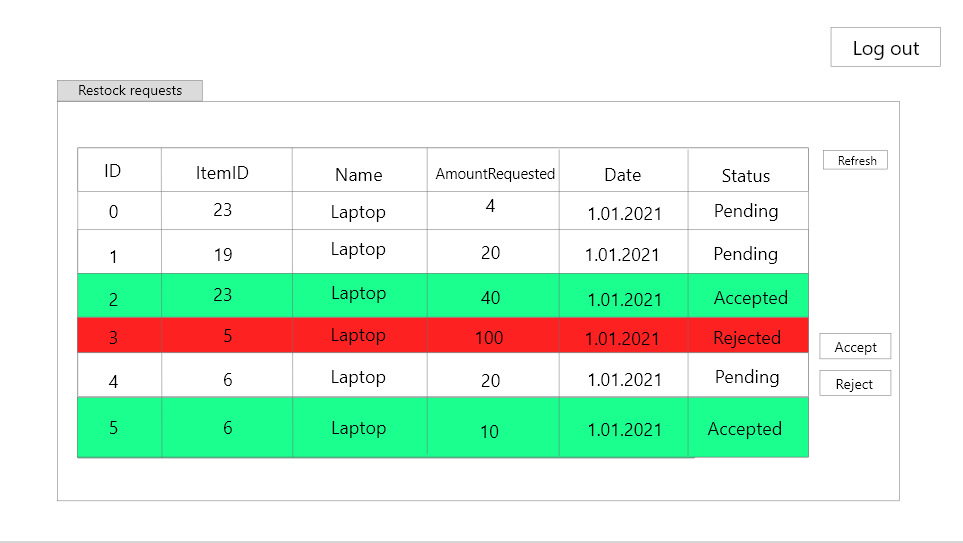
Pre-condition: Depot worker logged in successfully

Main Success Scenario:

1. Depot worker is redirected to Home page with restock requests after login

2. Depot worker is presented the list of current restock requests

3. Depot worker clicks on the “*Accept*” button next to the chosen restock request



1. ***US-D-05: Depot worker rejects restock request***

Actors: Depot Worker

Requirement(s): ***FR-D-05***

Pre-condition: Depot worker logged in successfully

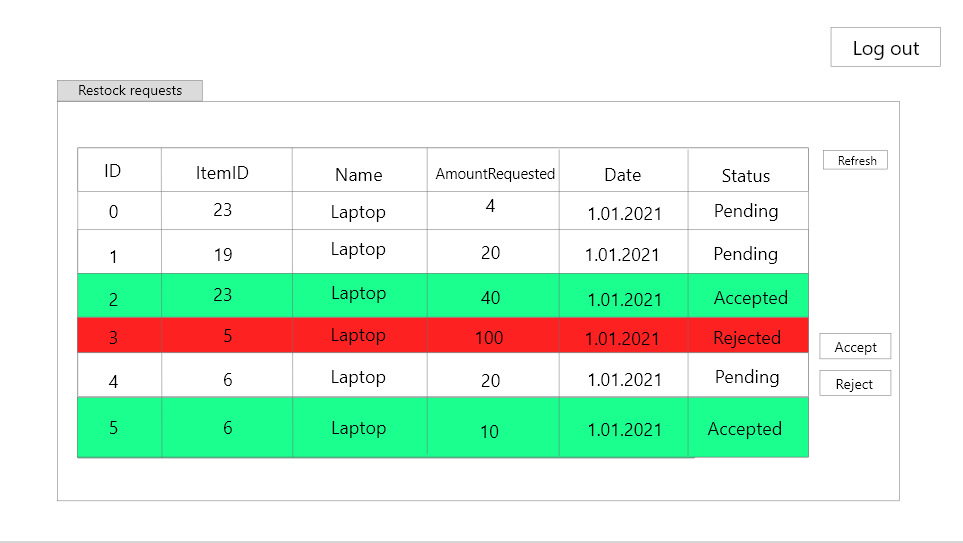
Main Success Scenario:

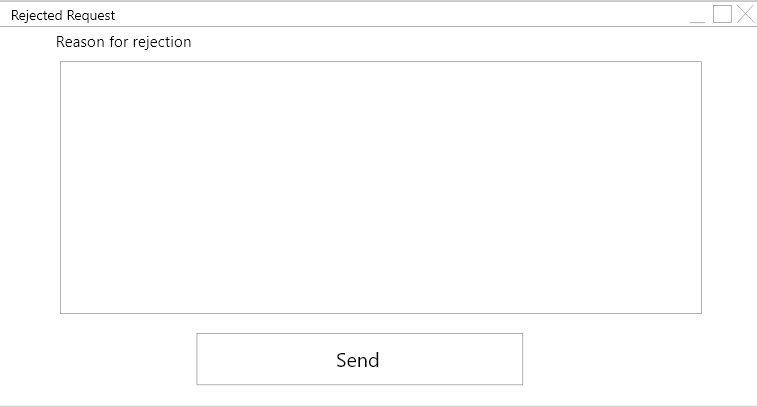
1. Depot worker is redirected to Home page with restock requests after login

2. Depot worker is presented the list of current restock requests

3. Depot worker clicks on the “*Reject*” button next to restock request

4. A separate window appears with reject reason.





1. ***US-A-25: User views list of departments***

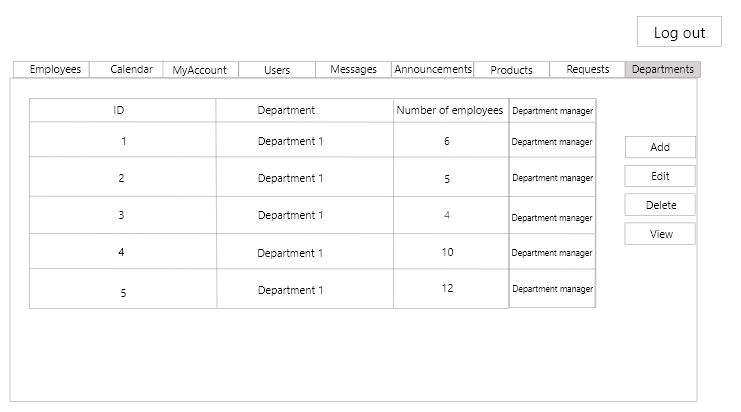
Actors: User as Administrator

Requirement(s): ***FR-A-25***

Pre-condition: Administrator logged in successfully

Main Success Scenario:

1. Manager clicks on *“Departments”.*

2. System displays list of departments

1. ***US-A-25: User views department details***

Actors: User as Administrator

Requirement(s): ***FR-A-25***

Pre-condition: Administrator logged in successfully

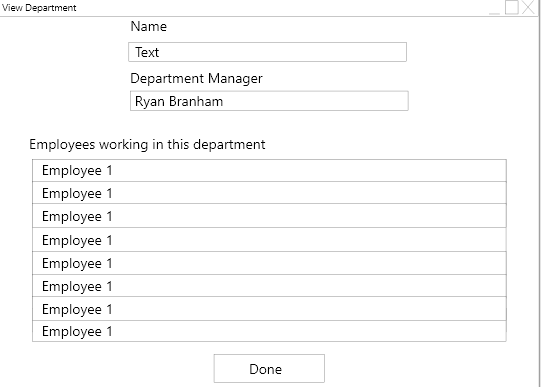
Main Success Scenario:

1. User clicks on *“Departments”.*

2. System displays list of departments

3. User clicks on “*View”.*

5. Separate window with department details appears.



1. ***US-A-26: User adds new department***

Actors: User as Administrator

Requirement(s): ***FR-A-26***

Pre-condition: Administrator logged in successfully

Main Success Scenario:

1. Administrator clicks on *“Departments”* tab*.*

2. Administrator clicks on “*Add Department”* button.

3. Administrator fills in the necessary fields.

4. Administrator clicks on the “*Add”* button.

5. System notifies User that the department was added successfully

Extensions:

5.1. Fields were in incorrect format

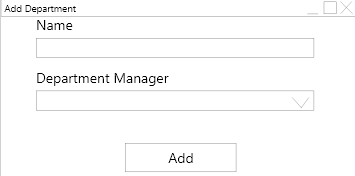
1. Notify user

2. Back to step 3 of MSS

5.2. Field is empty

1. Notify user

2. Back to step 3 of MSS



1. ***US-A-27: User modifies department’s name***

Actors: User as Administrator

Requirement(s): ***FR-A-27***

Pre-condition: Administrator logged in successfully

Main Success Scenario:

1. Administrator clicks on *“Departments”* tab*.*

2. Administrator chooses a particular department from the list and clicks on it.

3. Administrator clicks on “*Edit*” button.

4. Administrator input new name in appropriate field.

5. Administrator clicks on “*Save*”

6. System notifies the User the change was successful

Extensions:

6.1. Fields was in incorrect format

1. Notify user

2. Back to step 4 of MSS

6.2. Field is empty

1. Notify user

2. Back to step 4 of MSS



1. ***US-A-28: Administrator changes department’s manager***

Actors: User as Administrator

Requirement(s): ***FR-A-28***

Pre-condition: Administrator logged in successfully

Main Success Scenario:

1. Administrator clicks on *“Departments”* tab*.*

2. Administrator chooses a particular department from the list and clicks on it.

3. Administrator clicks on “*Change manager*”.

4. Administrator assigns new manager from available list of employees

5. System notifies User the change was successful.



1. ***US-A-29: Administrator removes department***

Actors: User as Administrator

Requirement(s): ***FR-A-29***

Pre-condition: Administrator logged in successfully

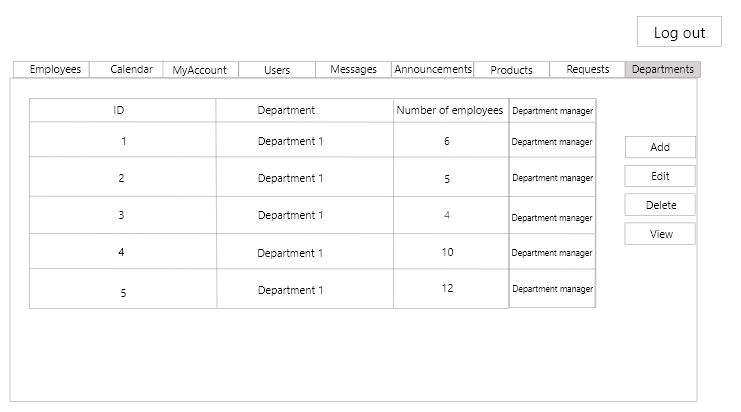
Main Success Scenario:

1. Administrator clicks on *“Departments”* tab.

2. Administrator chooses a particular department from the list and clicks on it.

3. Administrator clicks on the “*Delete*” button

4. System notifies User the department was deleted successfully



1. ***US-A-30: User uses auto-scheduler***

Actors: User as Administrator

Requirement(s): ***FR-A-30***

Pre-condition: Administrator logged in successfully

Main Success Scenario:

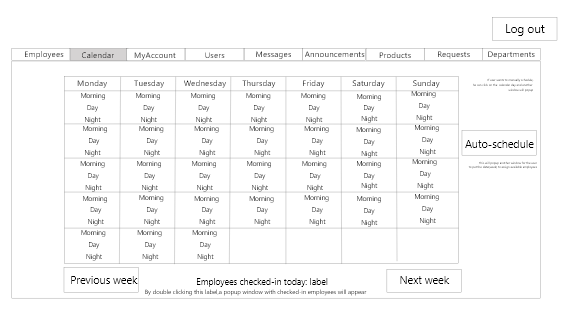
1. Administrator clicks on *“Calendar”* tab.

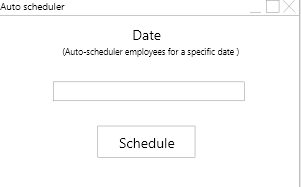
2. Administrator clicks on “*Auto-schedule*” button.

3. “Auto-scheduler window pops up.

4. Administrator enter a date to schedule employees.

5. System notifies User that schedule was complete successfully





1. ***US-A-30: User views employees who called in sick***

Actors: User as Administrator

Requirement(s): ***FR-A-31***

Pre-condition: Administrator logged in successfully

Main Success Scenario:

1. Administrator clicks on *“Calendar”* tab.

2. Administrator clicks on “*View called in sick employees*” button.

3. Window pops up with a list of employees who called in sick and on which date.

1. ***US-A-31: User assigns new department manager***

Actors: User as Administrator

Requirement(s): ***FR-A-32***

Pre-condition: Administrator logged in successfully

Main Success Scenario:

1. Administrator clicks on *“Departments”* tab.

2. Administrator clicks on a particular department from list.

3. Window pops up with a list of eligible employees.

4. User clicks on a particular employee

5. User clicks the “*Save*” button and window closes

1. ***US-M-07: Manager views statistical information about employees***

Actors: User as Manager

Requirement(s): ***FR-M-07***

Pre-condition: Manager logged in successfully

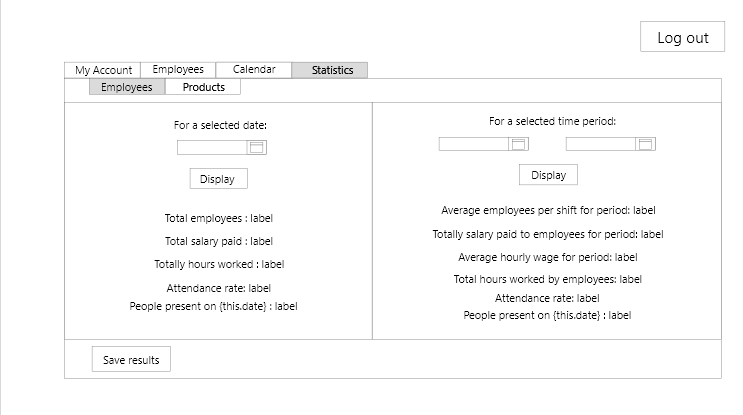
Main Success Scenario:

1. Manager clicks on *“Statistics”* tab*.*

2. Manager chooses the indicator from the list.

3. Manager clicks on *“Display”.*

4. Labels updates with the data.



1. ***US-M-07: Manager views statistical information about products***

Actors: User as Manager

Requirement(s): ***FR-M-07***

Pre-condition: Manager logged in successfully

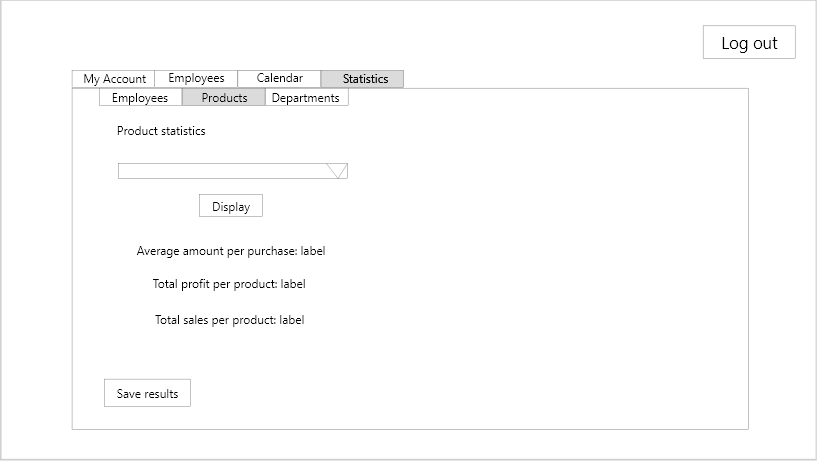
Main Success Scenario:

1. Manager clicks on *“Statistics”* tab*.*

2. Manager chooses the indicator from the list.

3. Manager clicks on *“Display”.*

4. Labels updates with the data.



1. ***US-M-07: Manager views statistical information about department***

Actors: User as Manager

Requirement(s): ***FR-M-07***

Pre-condition: Manager logged in successfully

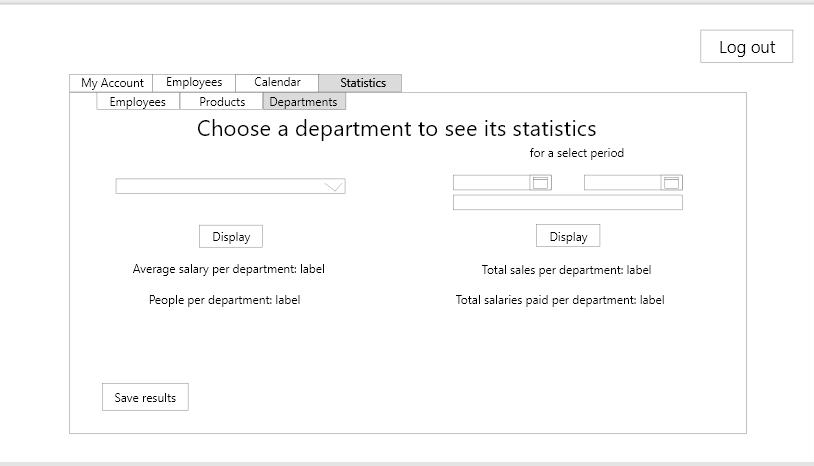
Main Success Scenario:

1. Manager clicks on *“Statistics”* tab*.*

2. Manager chooses the indicator from the list.

3. Manager clicks on *“Display”.*

4. Labels updates with the data.



1. ***US-W-09: Employee checks-in for certain shift***

Actors: User as Employee

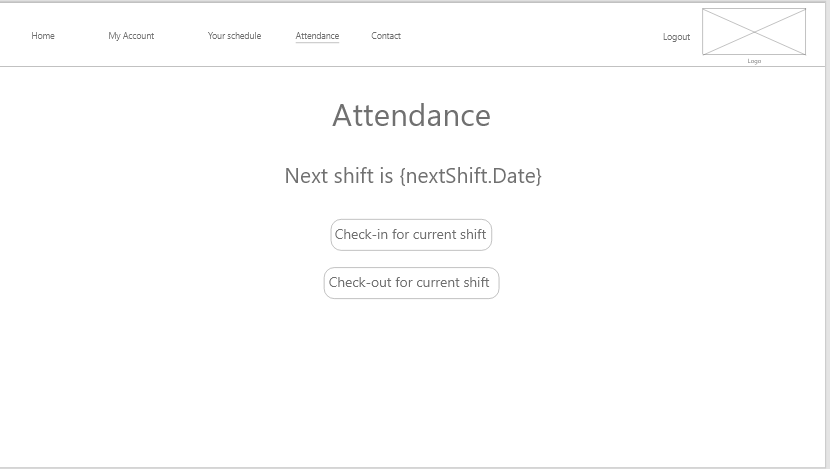
Requirement(s): ***FR-E-14***

Pre-condition: Employee logged in successfully (website)

Main Success Scenario:

1. Employee clicks on “*Check-in*”.

2. System notifies User check-in was successful



1. ***US-W-10: Employee checks-out for certain shift***

Actors: User as Employee

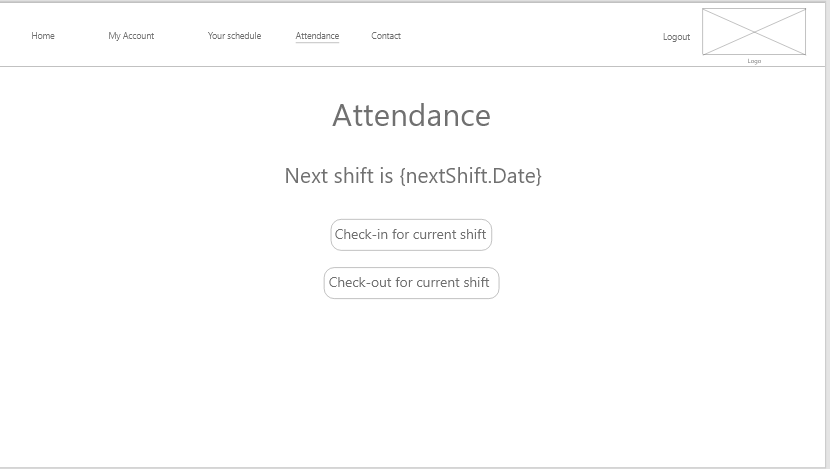
Requirement(s): ***FR-E-15***

Pre-condition: Employee logged in successfully (website)

Main Success Scenario:

1. Employee clicks on “*Check-out*”.

2. System notifies User check-out was successful



1. ***US-W-11: Employee calls-in sick for certain shift***

Actors: User as Employee

Requirement(s): ***FR-E-16***

Pre-condition: Employee logged in successfully (website)

Main Success Scenario:

1. Employee clicks on “*Call in sick*” tab.

2. System notifies User their call was send successfully

*Please note: Use cases for manager’s side functional requirements*

***FR-M-01*** *-* ***FR-M-06*** *repeat use cases for administrator side functional requirements. Hence, we made this table:*

|  |  |
| --- | --- |
| ***Functional requirement*** | ***Use case*** |
| *FR-M-01* | *US-A-01* |
| *FR-M-02* | *US-A-02* |
| *FR-M-03* | *US-A-03* |
| *FR-M-04* | *US-A-04* |
| *FR-M-05* | *US-A-05* |
| *FR-M-06* | *US-A-08* |

***Use cases – Website***

1. ***US-W-01: Employee logs in***

Actors: Employee

Requirement(s): ***FR-E-01***

Main Success Scenario:

1. Employee is on login page
2. Employee inputs their username and password
3. Employee clicks the “Login” button
4. Employee is notified that they logged in successfully
5. Employee is redirected to home page

Extension:

1. Field is empty

a. Notify user.

2. Login is incorrect

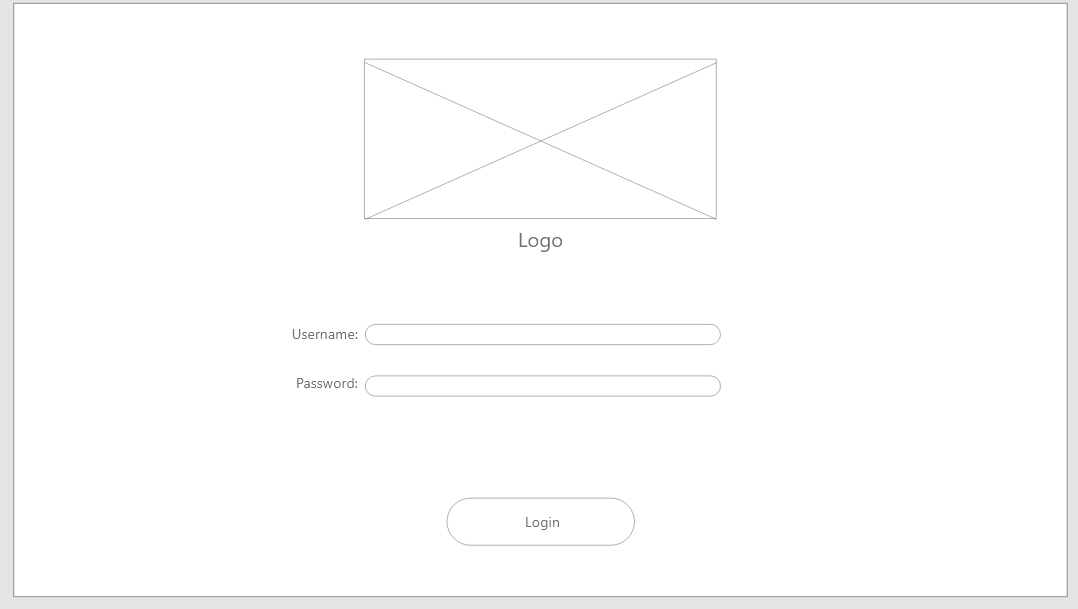
a. Notify user.

3. Password is incorrect

a. Notify user.

4. Employee logs in first time

a. Show window to change password (mandatory).



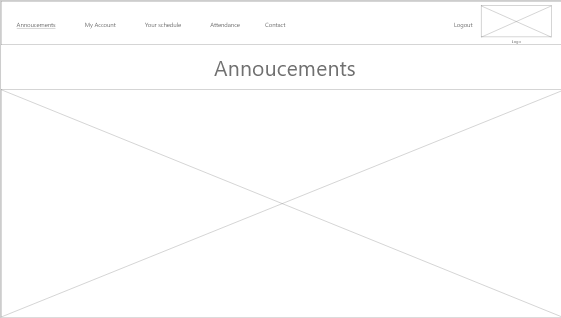
1. ***US-W-02: Employee logs out***

Actors: Employee

Requirement(s): ***FR-E-02***

Main Success Scenario:

1. Employee clicks on “Log out” button
2. Employee is redirected to Login page



1. ***US-W-03: Employee changes password***

Actors: Employee

Requirement(s): ***FR-E-03***

Main Success Scenario:

1. Employee clicks on “My Account” button
2. Employee inserts current password
3. Employee inserts new password
4. Employee repeats new password
5. Employee clicks on the “Change password” button
6. System displays message that password was successfully changed

Extension:

1. Field is empty

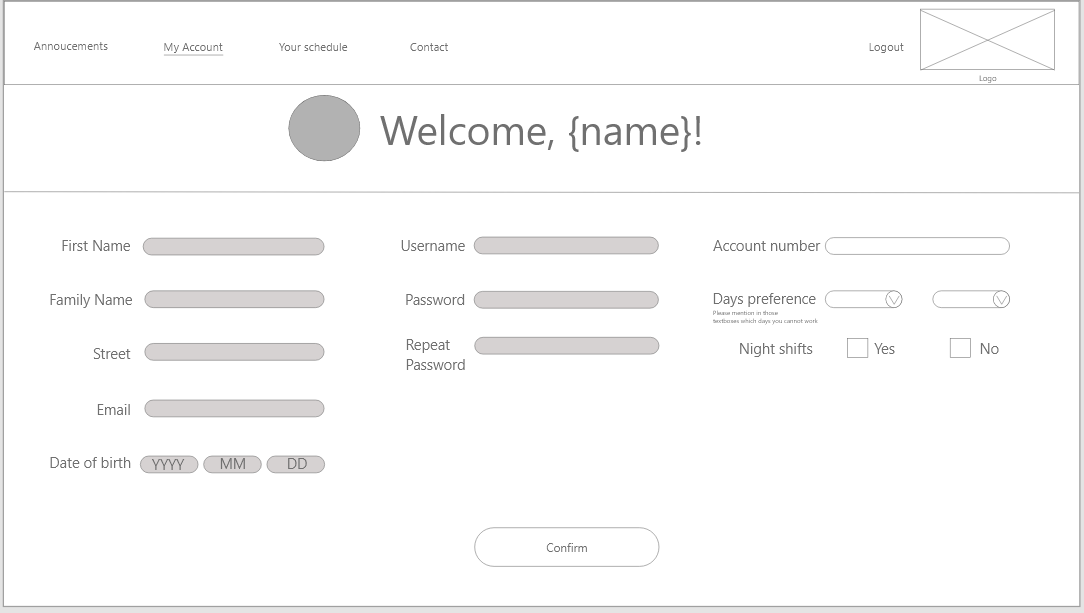
a. Notify user.

2. Current password is wrong

a. Notify user.

3. New password and repeat password fields do not match

a. Notify user.



1. ***US-W-04: Employee changes personal details***

Actors: Employee

Requirement(s): ***FR-E-04***

Main Success Scenario:

1. Employee clicks on “My account” button
2. Employee clicks on “Edit” button
3. Employee changes whichever fields they would like to change
4. Employee clicks on the “Save” button
5. Employee is notified they successfully updated their data

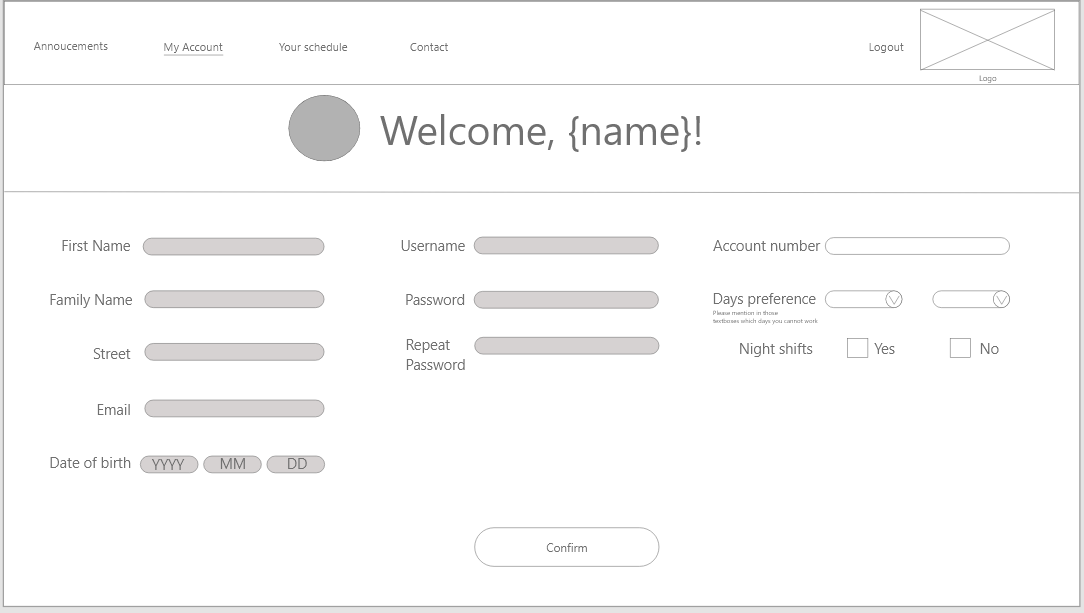
Extension:

1. Field is empty

a. Notify user.

2. Field is not in correct format

a. Notify user.



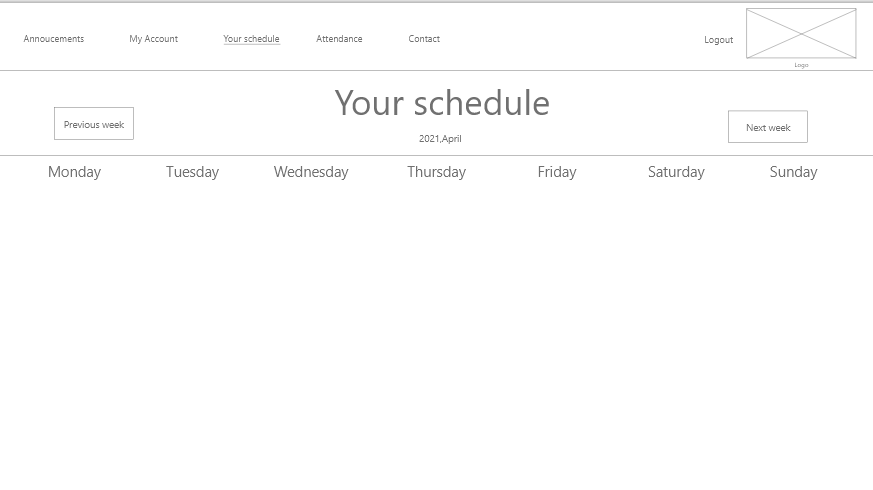
1. ***US-W-05: Employee views schedule***

Actors: Employee

Requirement(s): ***FR-E-05***

Main Success Scenario:

1. Employee clicks on the “Schedule” button
2. Employee is shown their schedule for this week



1. ***US-W-06: Employee sets a preference on schedule***

Actors: Employee

Requirement(s): ***FR-E-06***

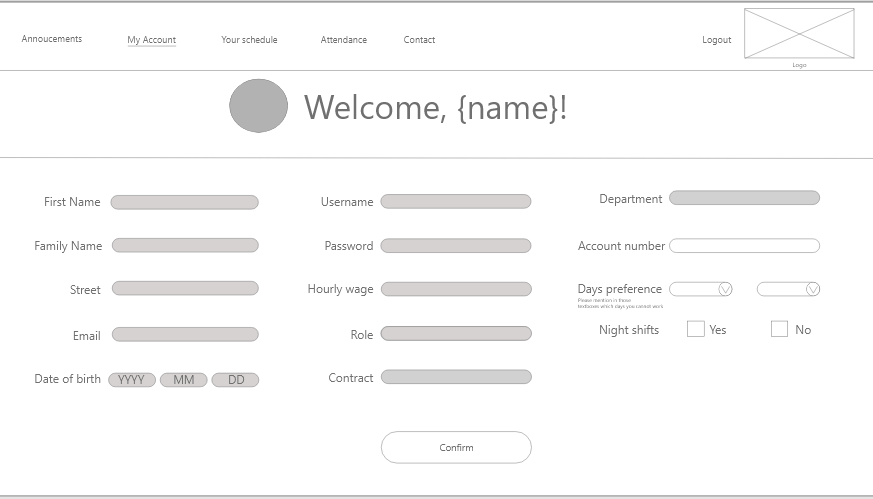
Main Success Scenario:

1. Employee clicks on “My Account” button
2. Employee picks up to two days during which they cannot work or if they are unavailable for night shifts
3. Employees checks if he’s available for night shifts.
4. Employee clicks on the “Confirm” button

Extension:

1. Employee picks more than two days

a. Notify user.



1. ***US-W-07: Employee sends message to administrator***

Actors: Employee

Requirement(s): ***FR-E-07***

Main Success Scenario:

1. Employee clicks on “Contact Administrator” button
2. Employee inputs their message
3. Employee chooses their administrator
4. Employee clicks on the “Send” button

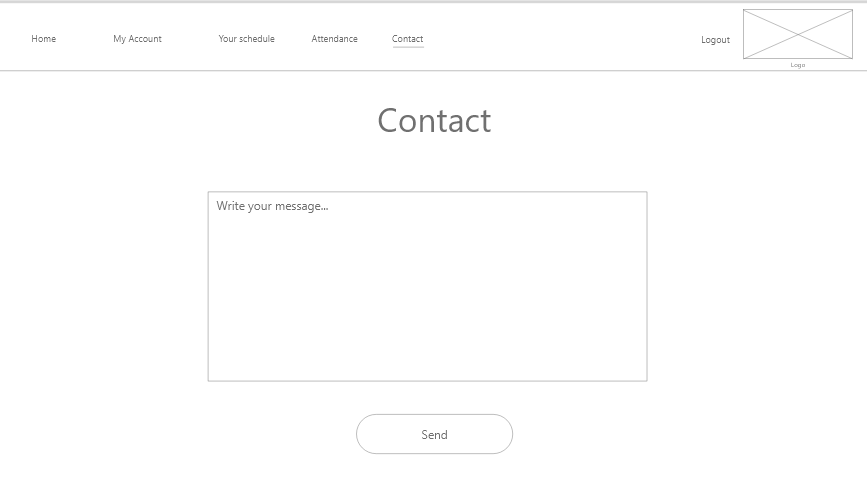
Extension:

1. Field is empty

a. Notify user.

2. No administrator chosen

a. Notify user.



1. ***US-W-08: Employee views announcements***

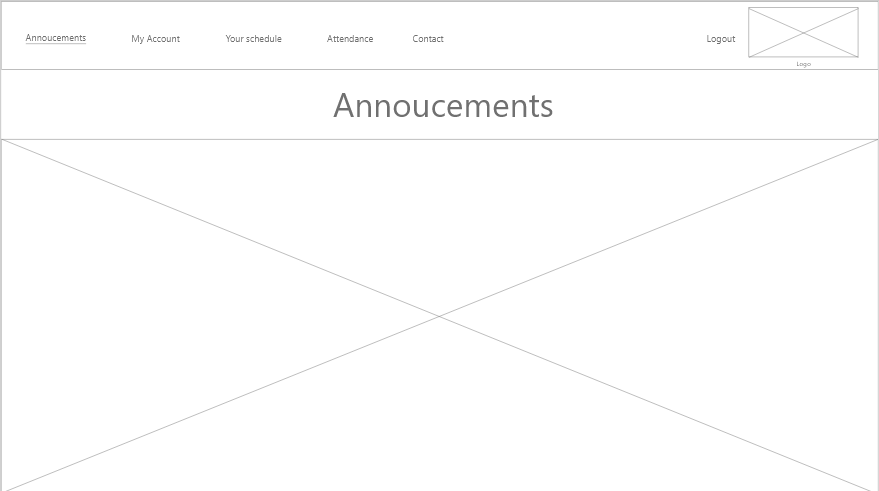
Actors: Employee

Requirement(s): ***FR-E-08***

Pre-condition: Manager has proper credentials

Main Success Scenario:

1. Employee clicks on “Announcements” button
2. Employee is redirected to Announcement’s page and shown recent announcements



Mobile wireframes

*Mobile wireframes with all the other ones can be found in our git repository via this link.*

[*https://git.fhict.nl/I454066/prj-cb07-group1/-/blob/master/Documentation/WebsiteMediaBazaar.pdf*](https://git.fhict.nl/I454066/prj-cb07-group1/-/blob/master/Documentation/WebsiteMediaBazaar.pdf)

**Appendix A**

*Here you may find the information concerning Media Bazaar employees that will be stored in the system.*

1. First name
2. Family name
3. Address (street, street number, zip code, town, country)
4. E-mail address
5. Username
6. Password
7. Date of birth
8. Date of first working day
9. Hourly wage
10. Account number
11. Department(s)
12. Role
13. Photo
14. Kind of employee
    1. Fixed term contract
       1. 32 working hours a week
       2. 40 working hours a week
    2. Availability for shifts

(Employee may indicate up to two(2) days as unavailable.)

* + 1. Availability for nightshifts.

**Appendix B**

*Here you may find the which records can and which cannot be changed.*

*Legenda:*

*Green – Can be changed by employee.*

*Blue – Can be changed by administrator.*

*Red – Cannot be changed at all.*

1. First name
2. Family name
3. Address (street, street number, zip code, town, country)
4. E-mail address
5. Username
6. Password
7. Date of birth
8. Date of first working day
9. Hourly wage
10. Account number
11. Department(s)
12. Role
13. Photo
14. Kind of employee
    1. Fixed term contract
       1. 32 working hours a week
       2. 40 working hours a week
    2. Availability for shifts
       1. Employee may indicate up to two (2) days of week as unavailable.
       2. Availability for nightshifts.

**Appendix C**

*Here you may find the information concerning Media Bazaar products that will be stored in the system.*

1. Name
2. Cost price
3. Selling price
4. Size
   1. Height.
   2. Width.
   3. Length.
   4. Weight.
5. Department.
6. Restock threshold.

**Revision table**

**v1.1**: **11/04 Bohdan** – Updated user requirements, table of contents, added updated wireframes to use cases and minor changes.

**v1.2**: **17/04 Andreea** – Updated functional requirements based on tutor’s feedback.

**v1.3**: **25/04 Bohdan** – Add functional requirements for Iteration II.

Added “Appendix C”. Updated table of contents.

**v1.4**: **26/04 Stelian** – Add use cases for functional requirements for Iteration II.

**v1.5**: **06/05 Stelian and Andreea** – Update and edit based on tutor and client feedback

**v1.6**: **06/05 Stelian and Bohdan** – Update functional requirements and use cases for Iteration III

**v1.7**: **05/06 Andreea** – Update based on client feedback.

**v1.8**: **19/06 Stelian** – Update for call in sick features.