User Requirements Specification

Software solution for "Media Bazaar"
GROUP 1

Members: Bohdan Tymofieienko, Stelian Rumenov, Andreea Sindrilaru, Andrei Sava.

Tutor: Pencheva, Sabina S.

Date: 19/06/2021

Version: 1.8

Table of contents

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.
4) Team presents the product to the Client.
5) First phase of the project must be completed before March 25th.
6) Second phase of the project must be completed before May 9th.
7) 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. a. Morning (7:00 – 15:00) b. Day (15:00 – 23:00) c. Night (23:00 – 7:00)	Must	US-A-09

ID	Name	Description	Priority	
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 :_	Should	US-A-06

		i) Total number of employees. ii) Total salary paid. iii) Total number of hours worked. ***For a selected time period:*** i) Average number of employees per work shift. ii) Total salary paid to all employees. iii) Average hourly wage per employee iv) Total number of hours worked by all employees. v) Average number of hours worked by an employee. vi) Filtered based on selected deparment		2021

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

ID	Name	Description	Priority	Use case
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

ID	Name	Description	Priority	Use case
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.

Media Bazaar

First name

Last name

Log in

2) 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.

3) 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.

4) *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

5) 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.

6) 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.
   a. Automatically generated password is shown on the screen
      i. 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.

7) 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.

8) 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).

9) 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.

10) 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".*

11) 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.

Add new user _ □ ✕

Role

First Name

Last Name

Email

Add

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.

12) *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.

13) *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.

					Log out

| Employees | Calendar | MyAccount | Users | Messages | Announcements | Products | Requests | Departments |

Filter products by department

Name	Cost Price	Sell price	Department	InStock	
Name 1	1	2	Electronics	5	
Name 1	1	2	Electronics	5	Add
Name 1	1	2	Electronics	5	Update
Name 1	1	2	Electronics	5	Remove
Name 1	1	2	Electronics	5	Request

14) *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

15) 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**

16) *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

17) *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

18) *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

19) *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

Media Bazaar

First name

[   ]

Last name

[   ]

[Log in   ]
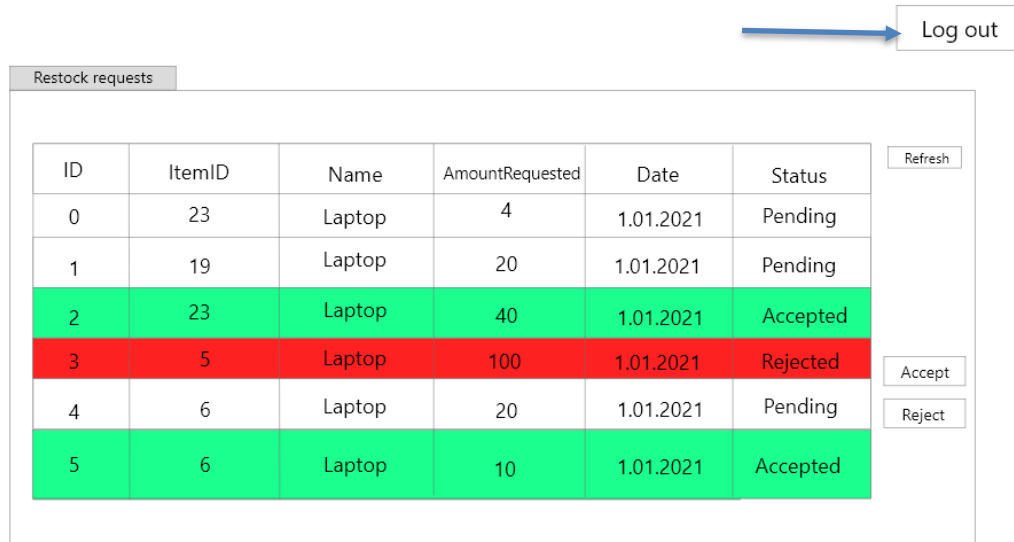
---

20) *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

21) *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

Log out

Restock requests						
ID	ItemID	Name	AmountRequested	Date	Status	Refresh
0	23	Laptop	4	1.01.2021	Pending	
1	19	Laptop	20	1.01.2021	Pending	
2	23	Laptop	40	1.01.2021	Accepted	
3	5	Laptop	100	1.01.2021	Rejected	Accept
4	6	Laptop	20	1.01.2021	Pending	Reject
5	6	Laptop	10	1.01.2021	Accepted	

22) *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

					Log out

Restock requests

ID	ItemID	Name	AmountRequested	Date	Status	
0	23	Laptop	4	1.01.2021	Pending	Refresh
1	19	Laptop	20	1.01.2021	Pending	
2	23	Laptop	40	1.01.2021	Accepted	
3	5	Laptop	100	1.01.2021	Rejected	Accept
4	6	Laptop	20	1.01.2021	Pending	Reject
5	6	Laptop	10	1.01.2021	Accepted	

23) *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.

ID	ItemID	Name	AmountRequested	Date	Status
0	23	Laptop	4	1.01.2021	Pending
1	19	Laptop	20	1.01.2021	Pending
2	23	Laptop	40	1.01.2021	Accepted
3	5	Laptop	100	1.01.2021	Rejected
4	6	Laptop	20	1.01.2021	Pending
5	6	Laptop	10	1.01.2021	Accepted

Log out

Restock requests

Refresh

Accept

Reject

Rejected Request

Reason for rejection

Send

24) *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

Log out

| Employees | Calendar | MyAccount | Users | Messages | Announcements | Products | Requests | Departments |

ID	Department	Number of employees	Department manager	
1	Department 1	6	Department manager	Add
2	Department 1	5	Department manager	Edit
3	Department 1	4	Department manager	Delete
4	Department 1	10	Department manager	View
5	Department 1	12	Department manager	

25) 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.

View Department

Name

Text

Department Manager

Ryan Branham

Employees working in this department

| Employee 1 |
| Employee 1 |
| Employee 1 |
| Employee 1 |
| Employee 1 |
| Employee 1 |
| Employee 1 |
| Employee 1 |

Done

26) ***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

Add Department   _ □ ×

Name

Department Manager

Add

27) *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

Edit Department

Name

Text

Department Manager

Ryan Branham

Edit

28) *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.

29) *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

Log out

Employees	Calendar	MyAccount	Users	Messages	Announcements	Products	Requests	Departments

ID	Department	Number of employees	Department manager	
1	Department 1	6	Department manager	Add
2	Department 1	5	Department manager	Edit
3	Department 1	4	Department manager	Delete
4	Department 1	10	Department manager	View
5	Department 1	12	Department manager	

30) *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

31) *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 *"Messages"* tab.

2. Administrator clicks on "*Call-in-sick messages*" tab.

3. A list with a list of employees is displayed showing Topic, Sender and Time.

32) *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.

33) *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.

34) *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.

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
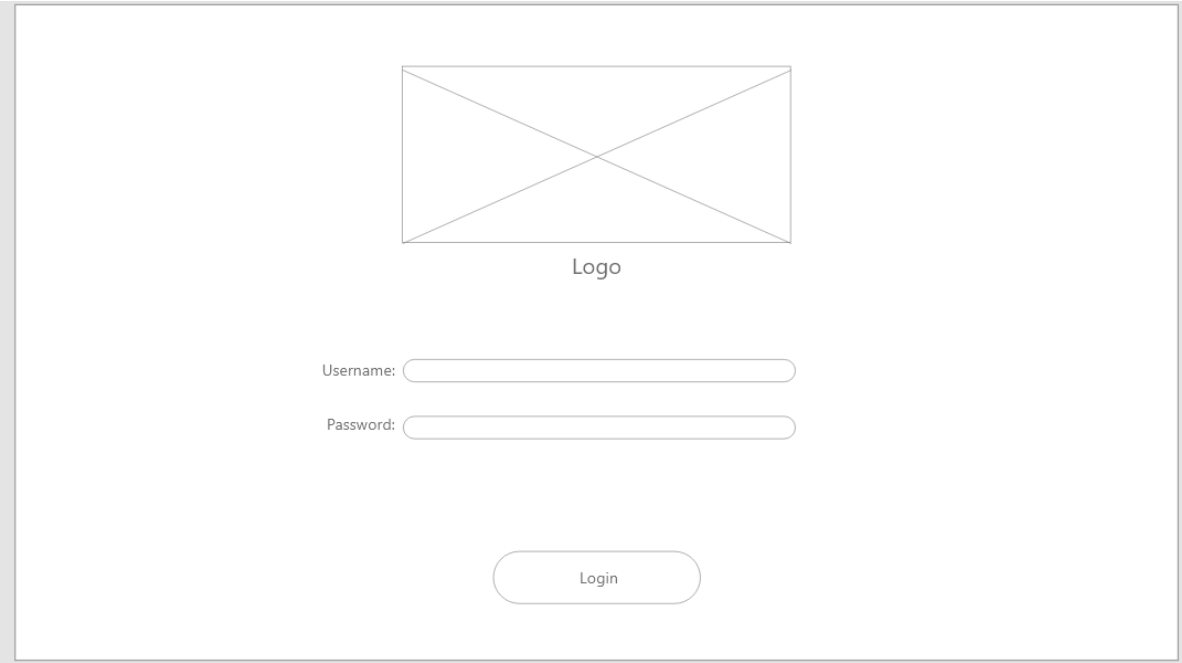
35) US-W-01: Employee logs in

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).
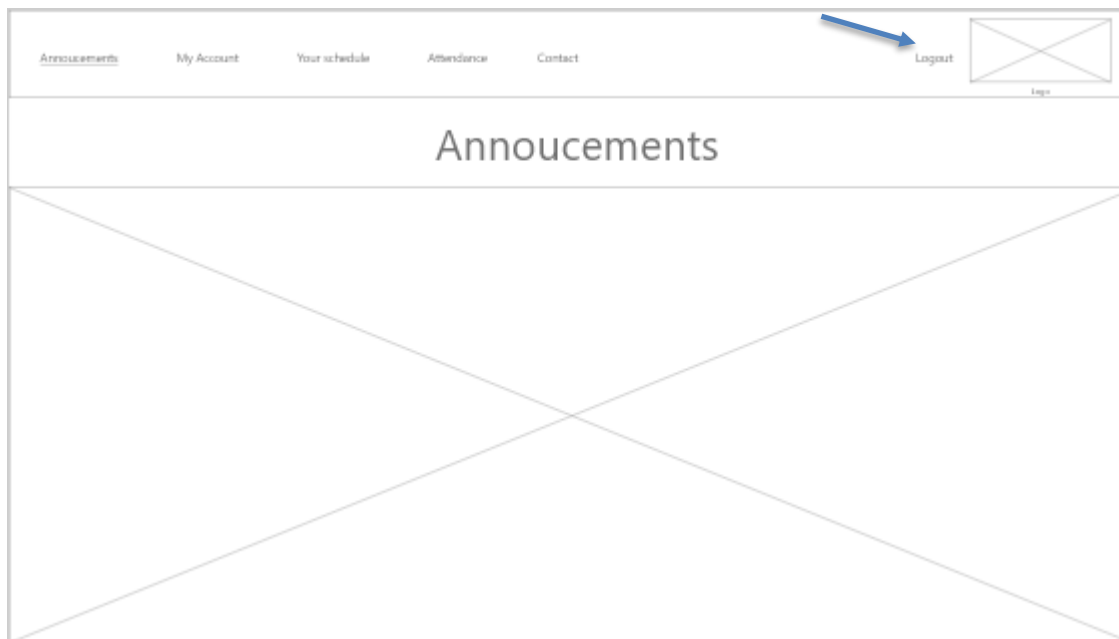

Logo

Username:

Password:

Login

36) 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

37) 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.

38) 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.
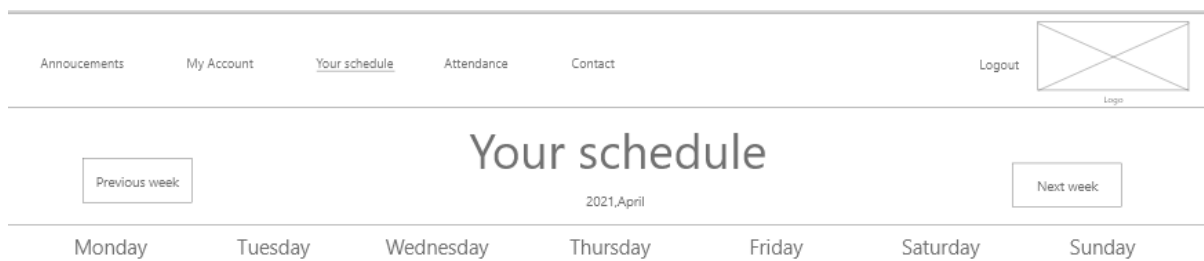2. Field is not in correct format
   a. Notify user.

39) 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

40) 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.

41) 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.

42) 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
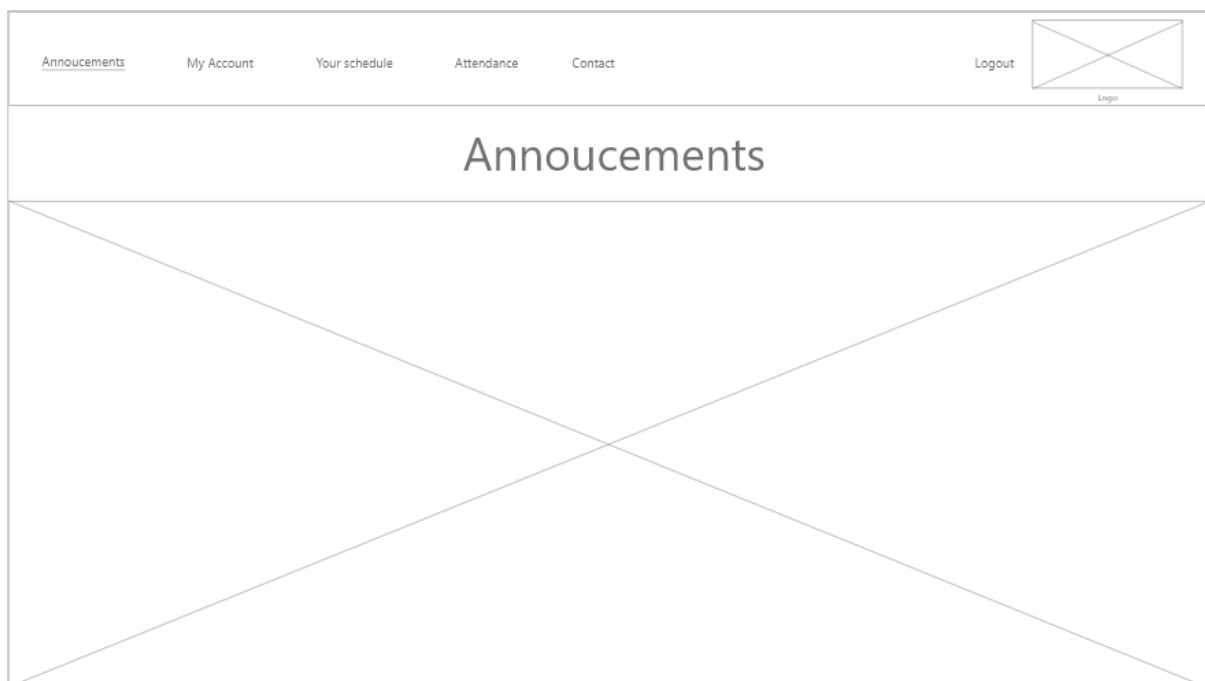
43) US-W-09: Employee checks-in for certain shift
Actors: User as Employee
Requirement(s): **FR-E-14**
Pre-condition: Employee logged in successfully (website)
Main Success Scenario:
1. Employee clicks on "*Check-in*".
2. System notifies User check-in was successful

44) *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

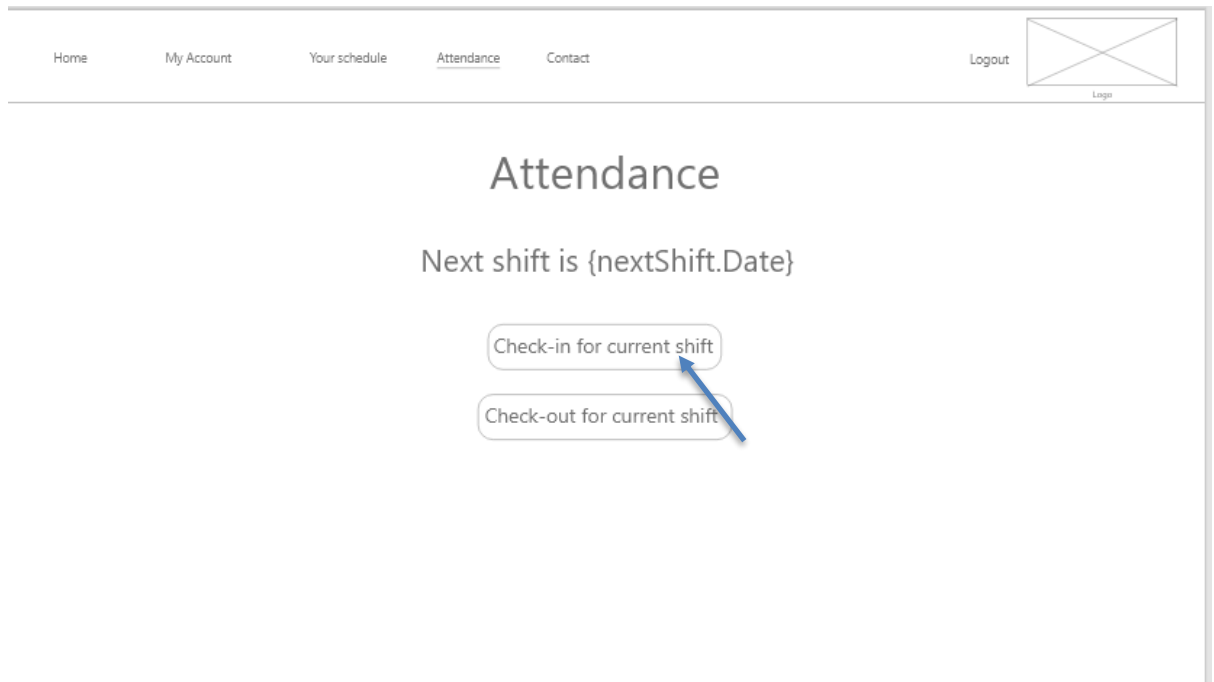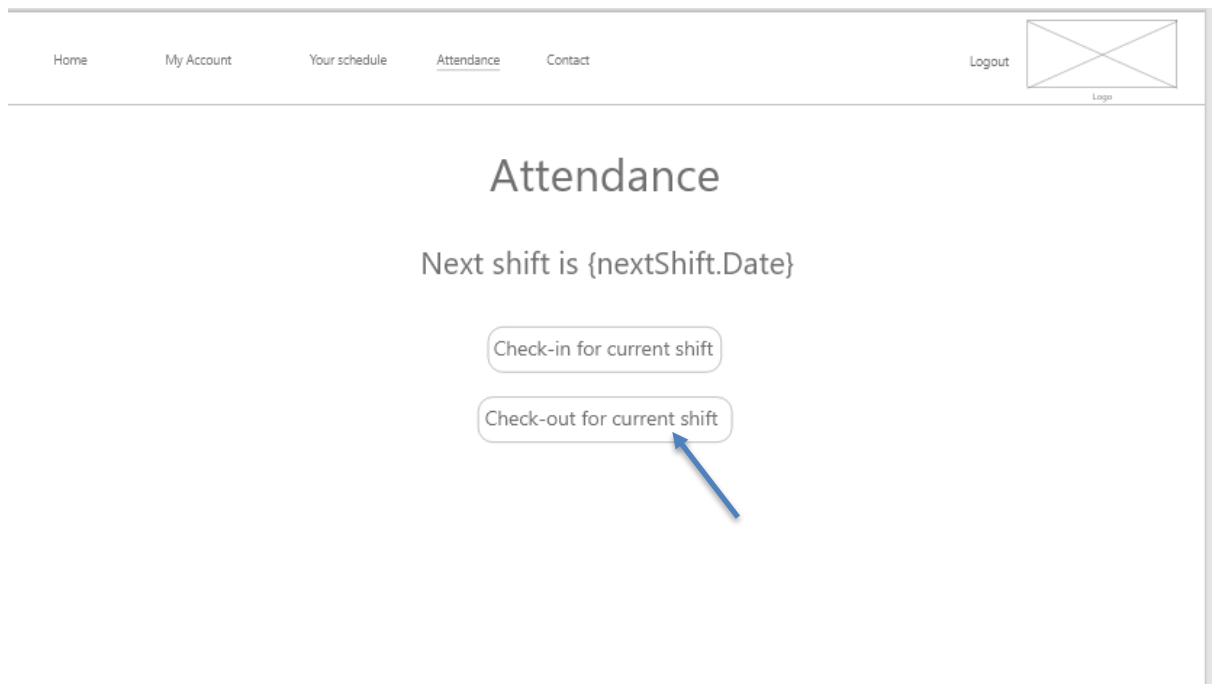**45) *US-W-11: Employee calls-in sick for certain shift***

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

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

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
    a. Fixed term contract
        i. 32 working hours a week
        ii. 40 working hours a week
    b. Availability for shifts
       (Employee may indicate up to two(2) days as unavailable.)
        i. 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
    a. Fixed term contract
        i. 32 working hours a week
        ii. 40 working hours a week
    b. Availability for shifts
        i. Employee may indicate up to two (2) days of week as unavailable.
        ii. 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
   a. Height.
   b. Width.
   c. Length.
   d. 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.