User Requirements Specification

Software solution for "Media Bazaar" GROUP 1

Members: Bohdan Tymofieienko, Stelian Rumenov, Andreea

Sindrilaru, Andrei Sava.

Tutor: Pencheva, Sabina S.

Date: 06/06/2021

Version: 1.7

Table of contents

Agreements with client	3
Functional requirements and prioritizing table	4
Use cases	14
Appendix A	39
Appendix B	40
Appendix C	41
Revision Table	42

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.
- 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.

Pg. 3 Fontys ICT S2-S07

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)}

Pg. 4 Fontys ICT S2-S07 2021

Waterfall phase (until March 25th):

ID	Name	Description	Priority	
Administration side- Application				
FR-A-01	Login	User can login to the system with personal credentials	Must	
FR-A-02	Change password	User can change the password	Must	
FR-A-03	View employees	User can view list of employees	Must	
FR-A-04	View employee's details	User can view employee's details		
FR-A-05	Add employee	User can add new employee to the system See "Appendix A" for information stored about employees	Must	
FR-A-06	Update employee	User can update employee information	Must	
FR-A-07	Modify employee status	User can modify employee status (Not started yet, working, stopped)	Must	
FR-A-08	View shift schedule	User can view overall work shift schedule for a selected period of time.	Must	
FR-A-9	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	Must	

Pg. 5

		(23:00 – 7:00)	
FR-A-10	Update employee's schedule	User can update information concerning employee's schedule.	Must
FR-A-11	Cancel employee's shift	User can cancel shift assignment for the employee	Must
FR-A-12	Add administrator	User can add new administrator to the system	Should
FR-A-13	Add manager	User can add new manager to the system	Should

ID	Name	Description	Priority			
	Management side- Application					
FR-M-01	Login	User can login to the system with personal credentials	Must			
FR-M-02	Change password	User can change the password	Must			
FR-M-03	View employees	User can view list of employees	Must			
FR-M-04	View employee's details	User can view employee's details	Must			
FR-M-05	View shift schedule	User can view overall work shift schedule for a selected period of time.	Must			
FR-M-06	View statistical information	User can view statistical information. For a selected date:	Should			

- 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 department

Pg. 7

Please note: More than one iteration is expected soon. In the section bellow we describe first iteration of length of 3 weeks (until June 6^{th} , 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
	Adm	inistrator side - Applicatio	on	
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
	Dep	ot worker side- Applicatio	n	
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
	Adm	inistrator side- Application	on	
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-29	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
	Ma	anager 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
	E	imployee 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

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:

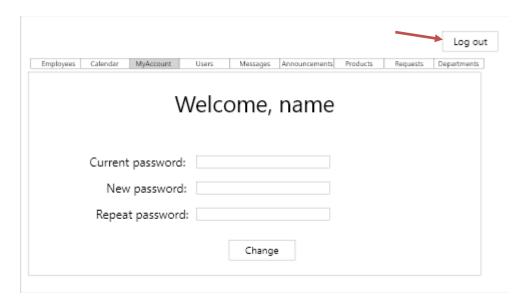
- 1. Field is empty
 - a. Notify user.
- 2. Login is incorrect
 - a. Notify user.
- 3. Password is incorrect
 - a. Notify user.



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-03* 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.

Employees	Calendar	MyAccount	Users	Messages	Announcements	Products	Requests	Departments
		٧	Velc	ome,	name			
	Current p	password:						
		password						
	Repeat	password	:					

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

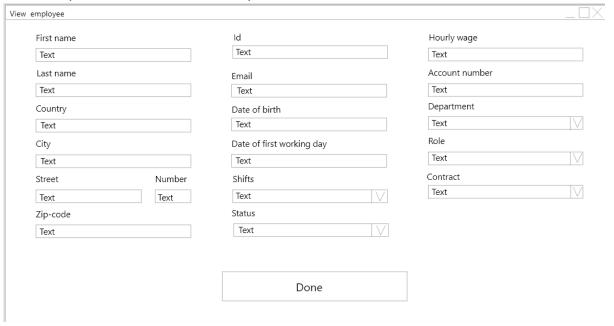
Log out Employees Requests Departments Calendar MyAccount Messages Announcements Products Search The search bar can find departments, first names of the employees, etc. Department Email Ιd First name Last name Surname Dep email 0 Name Add Surname 1 Name Dep email Remove Surname Name 2 email Dep Edit 3 Dep Name Surname email 4 Surname Dep email Name Sort 5 Name Surname Dep email

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
 - 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.

First name		Email	Hourly wage
Last name		Date of birth	Account number
Country		Date of first working day	Department
City		Shifts	Role
Street	Number	Status	Contract
Zip-code			V

7) US-A-07: Administrator updates employee information

Actors: Administrator

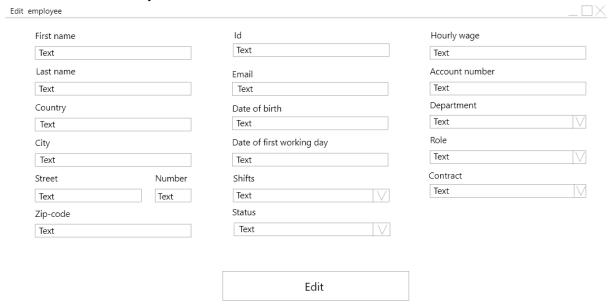
Requirement(s): FR-A-07, FR-A-08

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.



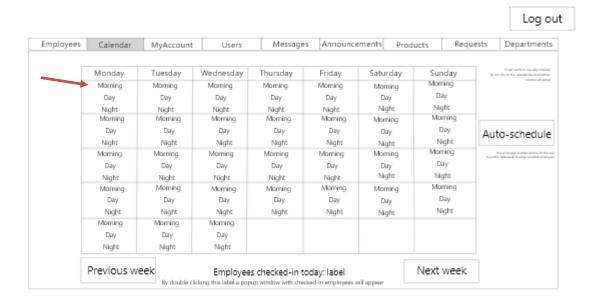
Please note: Only certain field may be modified. See "Appendix A" for more details.

Pg. 21 Fontys ICT S2-S07

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".



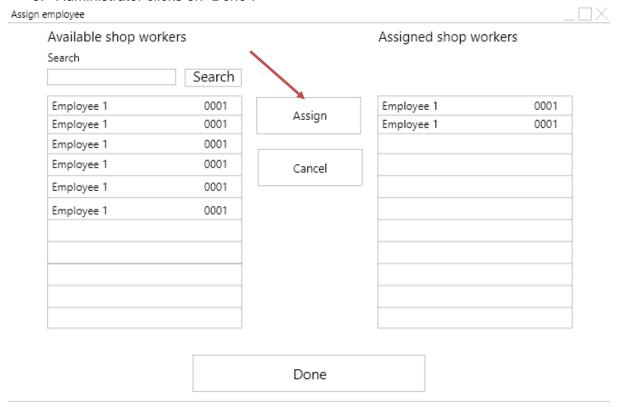
A label referenced by red arrow (See picture above) is a button. Clicking on it opens a separate window (See next page).

Pg. 22 Fontys ICT S2-S07

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.

Pg. 23 Fontys ICT S2-S07

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".

	Search			
Employee 1	0001		Employee 1	0001
Employee 1	0001	Assign	Employee 1	0001
Employee 1	0001			
Employee 1	0001	Cancel		
Employee 1	0001			
Employee 1	0001			

11) US-A-11: Administrator adds new user to the system

Actors: Administrator

Requirement(s): FR-A-12, FR-A-13

Main Success Scenario:

1. Administrator clicks on "Users".

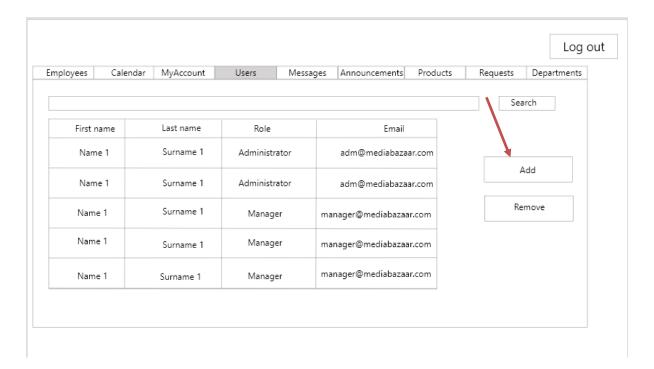
2. List of accounts is shown.

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	X
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.

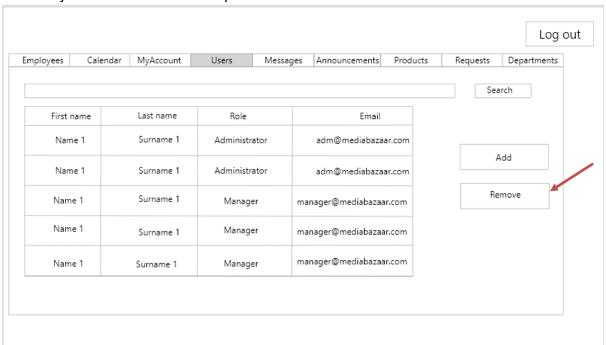
12) US-A-12: Administrator removes user from the system

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
ter products by d	epartment							
Name		Cost Price	Sell pr	ice	Department	InStock		
Name 1		1	2		Electronics	5		
Name 1		1	2		Electronics	5		Add
Name 1		1	2		Electronics	5	U	pdate
Name 1		1	2		Electronics	5	Re	emove
Name 1		1	2		Electronics	5	Re	equest
Name 1		1	2		Electronics		Re	equest

Pg. 28

14) US-A-14: Administrator adds product to the system

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

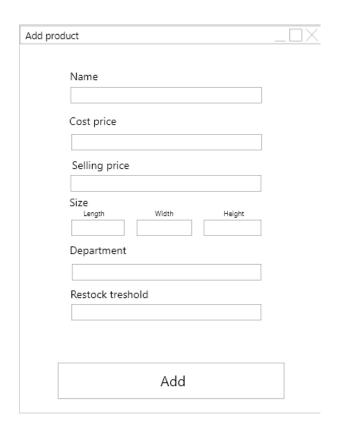
Pre-condition: Administrator logged in successfully

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



Pg. 29 Fontys ICT S2-S07

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

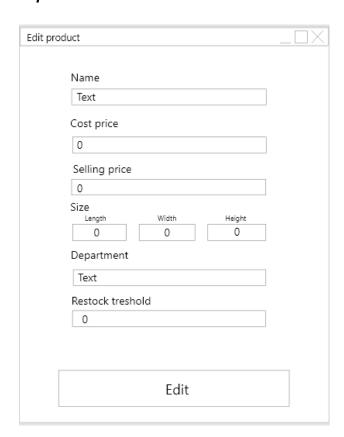
Main Success Scenario:

- 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

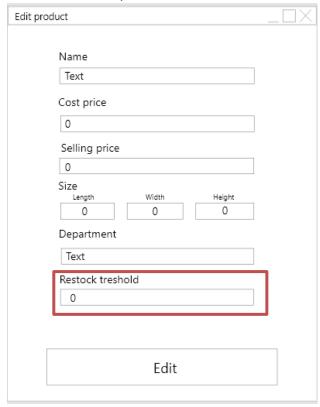
Pre-condition: Administrator logged in successfully

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

Log out

Calendar	MyAccount	Users	Messages	Announcements	Products	Requests	Department
department							
	Cost Price	Sell pr	ice	Department	InStock		
ı	1	2		Electronics	5		
ı	1	2		Electronics	5		Add
	1	2		Electronics	5		Jpdate
	1	2		Electronics	5	R	emove
	1	2		Electronics	5	R	equest
	1	2		Electronics	5	R	equest
	Jepartment	Cost Price 1 1 1 1	Cost Price Sell price Sel	Cost Price Sell price 1 1 2 1 1 2 1 1 2 1 2	Cost Price Sell price Department 1 2 Electronics 1 2 Electronics 1 2 Electronics 1 2 Electronics 1 2 Electronics		Cost Price Sell price Department InStock 1 2 Electronics 5 1 3 4 5 1 4 5 5 1 5 5 5 1 5 5 1 5 5 1 5 5 1 5 5 1 5 5 1 5 5 1 5 5 1 5 5 1 5 5 1 5 5 1 5 5 1 5 5 1 5 5 1 5 5 1 5

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

Request pr	oducts		$\underline{\hspace{1cm}}$
		abel nlo about product	
	Amount		
	Req	uest	

Pg. 33 Fontys ICT S2-S07

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



Pg. 34

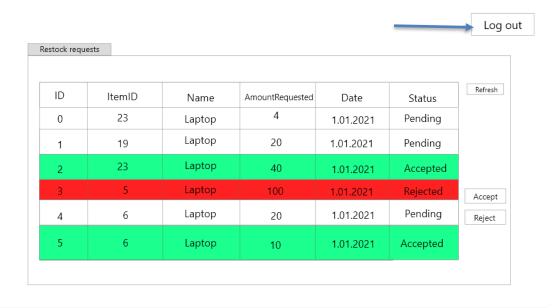
20) US-D-02: Depot worker logs out

Actors: Depot worker Requirement(s): *FR-D-02*

Pre-condition: Depot worker logged in successfully

Main Success Scenario:

Depot worker clicks on "Log out" button
 System redirects user to Login window



Pg. 35

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



Pg. 36 Fontys ICT S2-S07

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

Pg. 37 Fontys ICT S2-S07

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.

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

ected Request			
Reason for	rejection		
		Send	
		Sena	

Pg. 38

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:

Manager clicks on "Departments".
 System displays list of departments

Log out

Employees	Calendar	MyAccount	Users	Messages	Announcements	Products	s Requests	Departments
	ID		Department	t	Number of emplo	yees Depa	artment manager	
1			Department 1		6 D		artment manager	Add
	2		Department	t 1	5	Depa	artment manager	Edit
	3		Department	t 1	4	Depa	artment manager	Delete
							-	View
	4		Department	:1	10	Depa	artment manager	
	5		Department	t 1	12	Depa	artment manager	

25) US-A-25: User views department details

Actors: User as Administrator Requirement(s): *FR-A-25*

Pre-condition: Administrator logged in successfully

- 1. User clicks on "Departments".
- 2. System displays list of departments
- 3. User clicks on "View".
- 5. Separate window with department details appears.

	Name	
	Text	
	Department Manager	
	Ryan Branham	
	rking in this department	
Employee 1		
	Done	

26) US-A-26: User adds new department

Actors: User as Administrator Requirement(s): *FR-A-26*

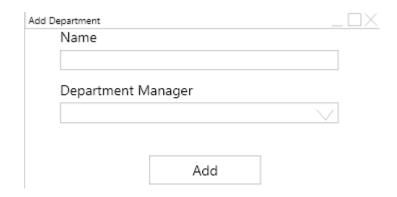
Pre-condition: Administrator logged in successfully

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



Pg. 41 Fontys ICT S2-S07

27) US-A-27: User modifies department's name

Actors: User as Administrator Requirement(s): *FR-A-27*

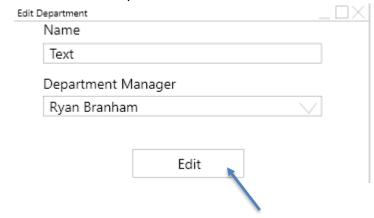
Pre-condition: Administrator logged in successfully

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



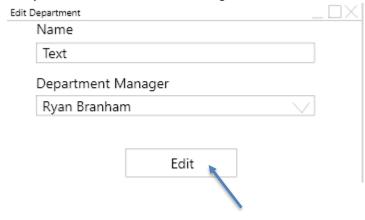
28) US-A-28: Administrator changes department's manager

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.



Pg. 43 Fontys ICT S2-S07

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

Departmen	Requests	oducts	Announcements Pro	Messages	Users	MyAccount	Calendar	Employees
	ent manager	Departme	Number of employees	:	Department		ID	
Add	nt manager	Departme	6	: 1	Department		1	
Edit	ent manager	Departme	5	: 1	Department		2	
Delete	nt manager	Departme	4	:1	Department		3	
View	nt manager	Departme	10	1	Department		4	
	ent manager	Departme	12	:1	Department		5	

Pg. 44 Fontys ICT S2-S07

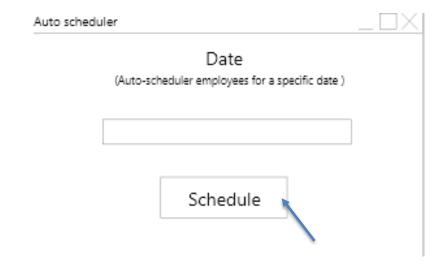
30) US-A-30: User uses auto-scheduler

Actors: User as Administrator Requirement(s): *FR-A-30*

Pre-condition: Administrator logged in successfully

- 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

Employees Calendar	MyAccount	Users	Messages	Announce	ements Prod	ucts Requ	ests Departments
Monday Morning Day Night Morning	Tuesday Moming Day Night	Wednesday Moming Day Night	Thursday Moming Day Night Morring Day Night Morring Day Night Moming Day Night Moming Day Night Moming Day	Friday Moming Day Night	Saturday Morning Day Night Morning Day Night	Sunday Morning Day Night Morning Day Night Morning Day Night Morning Day	Fue and through holds, to achieve the achieve the achieve the property achieves the pr

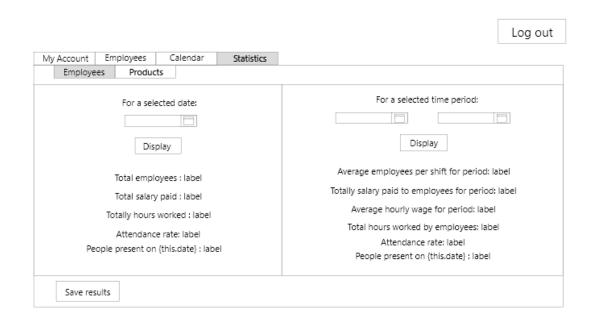


31) US-M-07: Manager views statistical information about employees

Actors: User as Manager Requirement(s): *FR-M-07*

Pre-condition: Manager logged in successfully

- 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.

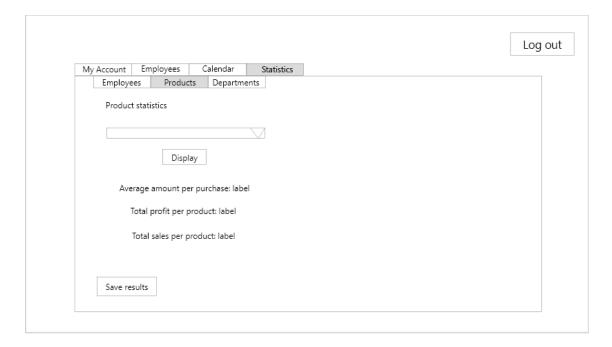


32) US-M-07: Manager views statistical information about products

Actors: User as Manager Requirement(s): *FR-M-07*

Pre-condition: Manager logged in successfully

- 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.

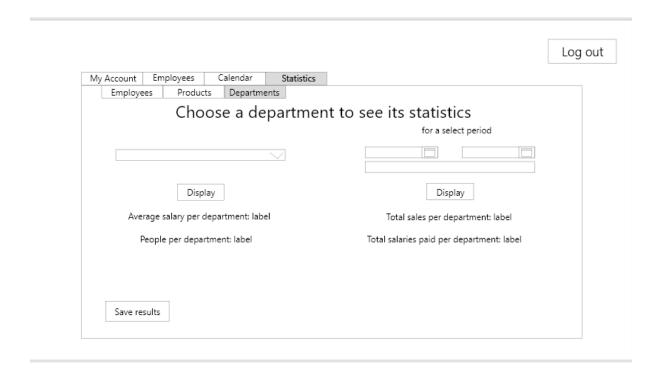


33) US-M-07: Manager views statistical information about department

Actors: User as Manager Requirement(s): *FR-M-07*

Pre-condition: Manager logged in successfully

- 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-W-09: Employee checks-in for certain shift

Actors: User as Employee Requirement(s): *FR-E-14*

Pre-condition: Employee logged in successfully (website)

- 1. Employee clicks on "Check-in".
- 2. System notifies User check-in was successful

Home	My Account	Your schedule	Attendance	Contact	Logout
			А	ttendance	
			Next sh	nift is {nextShift.Date}	
				eck-out for current shift	

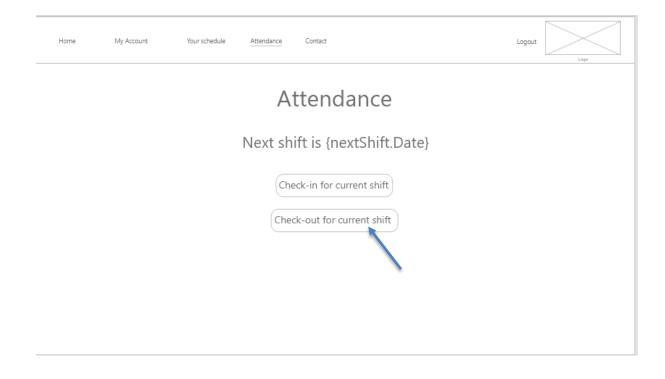
35) US-W-09: Employee checks-out for certain shift

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



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:

Pg. 50 Fontys ICT S2-S07

Functional requirement	Use case
FR-M-01	US-A-01
FR-M-02	US-A-02
FR-M-03	<i>US-A-03</i>
FR-M-04	US-A-04
FR-M-05	US-A-05
FR-M-06	US-A-08

Use cases - Website

36) US-W-01: Employee logs in

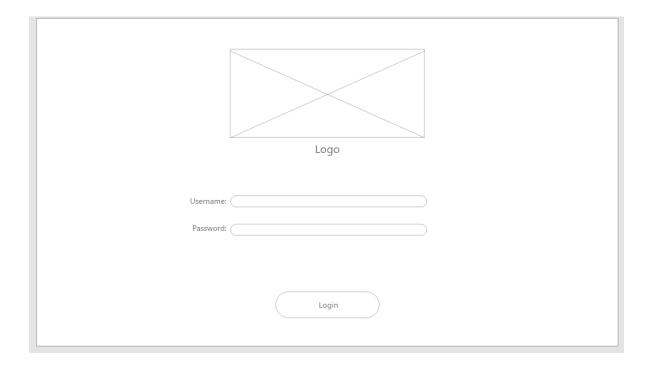
Actors: Employee

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).



37) US-W-02: Employee logs out

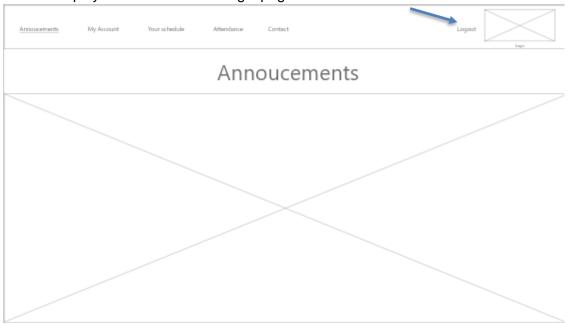
Actors: Employee

Requirement(s): *FR-E-02* Main Success Scenario:

1. Employee clicks on "Log out" button

Pg. 52

2. Employee is redirected to Login page



38) US-W-03: Employee changes password

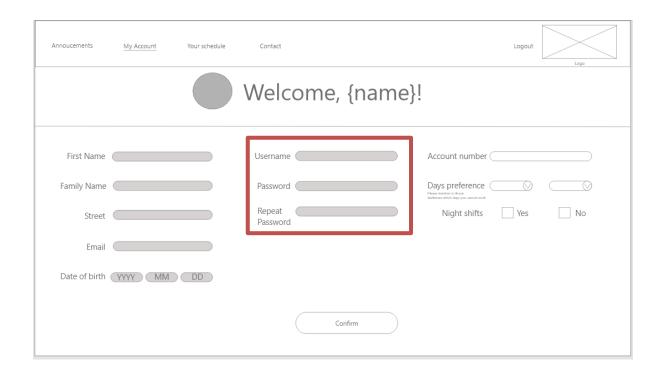
Actors: Employee

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.



39) US-W-04: Employee changes personal details

Actors: Employee

Requirement(s): *FR-E-04* Main Success Scenario:

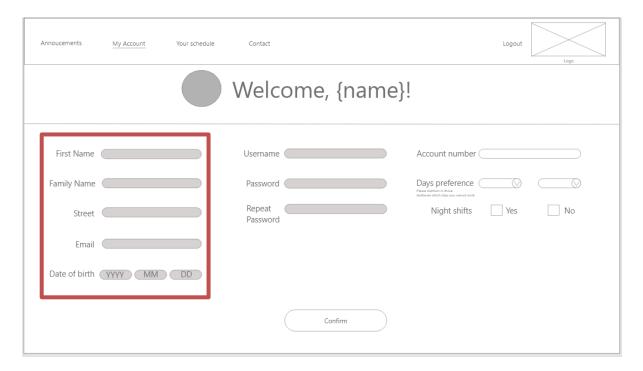
1. Employee clicks on "My account" button

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.



40) 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

Annoucements	My Account	Your schedule	Attendance	Contact		Logout	Lago
Previous w	reek		You	ır sche	dule		Next week
Monday	Tueso	day We	dnesday	Thursday	Friday	Saturday	Sunday

Pg. 56

41) US-W-06: Employee sets a preference on schedule

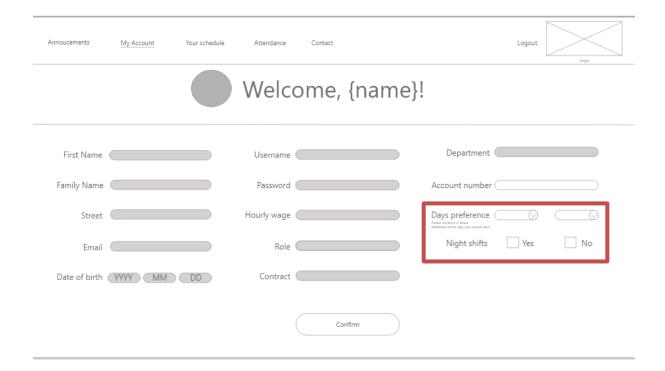
Actors: Employee

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.



42) 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.

Contact

Write your message				
			_	
	(Send)	
	/		/	

Pg. 58

43) US-W-08: Employee views announcements

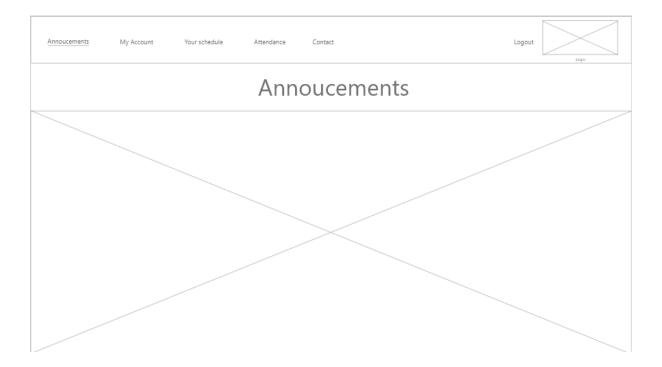
Actors: Employee

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



Pg. 59

Mobile wireframes

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

https://git.fhict.nl/l454066/prj-cb07-group1/-/blob/master/Documentation/WebsiteMediaBazaar.pdf

Pg. 60 Fontys ICT S2-S07

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
- 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.

Fontys ICT

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.

Pg. 64 Fontys ICT S2-S07