

User Requirement Specification Document

Media Bazaar

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State	Complete
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1. User Requirements

i. Non-Functional Requirements

NFR	General Requirements	MosCoW
1	Usability	Must
2	Security	Should
3	Compatibility	Should
4	Scalability	Could

ii. Functional Requirements

FR	General Requirements	MoSCoW
1	Create new employee	Must
2	Edit existing employee	Must
3	View existing employee	Must
4	Delete existing employee	Must
5	Create new work shift	Must
6	Edit existing work shift	Must
7	View existing work shift	Must
8	Delete existing work shift	Must
9	Assign work shift to employee	Must
10	View work shift of specific employee	Must
11	Remove employee from work shift	Must
12	Automatically assign employees on workshift	Should
13	Create new products	Should
14	Edit existing products	Should
15	View existing products	Should
16	Delete existing products	Should
17	Request product restock	Could
18	View restock request	Could
19	Check in and check out of work shifts for employee	Could

2. Use Cases

i. Functional Requirements

Must-Have Use Cases:

1. Create new employee

A system administrator can add a new employee to the database by providing essential details such as name, contact information, and position.

Use case:	UC-01: Create New Employee
Actor:	HR Manager
Pre-condition:	Be logged in
Main Success Scenario:	<ol style="list-style-type: none">1. Actor requests to create new employee2. System shows field that required to be entered3. Actor filled in required data4. Actor adds employee5. System checks employee details6. Employee added7. End use case
Extensions:	5a) Data not valid <ol style="list-style-type: none">1. System shows error2. Return to step 3

2. Edit existing employee

Users with appropriate permissions can update the information of an existing employee, including their contact details or job position.

Use case:	UC-02: Edit Existing Employee
Actor:	HR Manager
Pre-condition:	Be logged in
Main Success Scenario:	<ol style="list-style-type: none">1. Actor selects a specific employee

	<ol style="list-style-type: none"> 2. Actor requests to edit the selected employee 3. System shows fields that are currently filled with the employee's details 4. Actor changes a detail from the wanted fields. 5. Actor confirms changes 6. System checks employee details 7. System displays that the employee details has been changed
Extensions:	6a) Data not valid <ol style="list-style-type: none"> 1. System shows error 2. Return to step 4

3. View existing employee

The HR Manager can access and review the information of an existing employee, including their contact information and job details.

Use case:	UC-03: View existing employee
Actor:	HR Manager
Pre-condition:	Be logged in
Main Success Scenario:	<ol style="list-style-type: none"> 1. Actor requests to view employee 2. System shows employee data 3. End use case
Extensions:	

4. Delete existing employee

The HR Manager can remove an employee from the system, ensuring that their data is securely deleted.

Use case:	UC-04: Delete existing employee
Actor:	HR Manager
Pre-condition:	Be logged in

Main Success Scenario:	<ol style="list-style-type: none"> 1. Actor selects an employee to delete 2. System asks actor for confirmation 3. Actor confirms 4. System deletes selected employee 5. Employee deleted 6. End use case
Extensions:	3a) Actor cancels the action <ol style="list-style-type: none"> 1. Employee is not deleted 2. End use case

5. Create new work shift

HR Manager can create new work shift schedules, specifying details like date, time, and job assignment.

Use case:	UC-05: Create new work shifts
Actor:	HR Manager
Pre-condition:	Be logged in
Main Success Scenario:	<ol style="list-style-type: none"> 1. Actor Clicks "Create New Shift" 2. System shows new form to create work shift 3. Actor fills in the required information to create a work shift 4. Actor clicks "Add Shift" 5. System creates work shift 6. End use case
Extensions:	5a) Data not valid <ol style="list-style-type: none"> 1. System shows error 2. Return to step 3

6. Edit existing work shift

HR Manager can modify the details of an existing work shift, such as changing the time or reassigning employees.

Use case:	UC-06: Edit existing work shifts
Actor:	HR Manager

Pre-condition:	Be logged in
Main Success Scenario:	<ol style="list-style-type: none"> 1. Actor selects a shift 2. System shows shift details 3. Actor clicks "Edit Shift" 4. Actor changes number of workers in specific work shift 5. Actor Clicks "edit" 6. System edits the workshift 7. System shows that the shift is saved successfully. 8. End use case
Extensions:	

7. View existing work shift

The HR Manager can check the details of an existing work shift, including the date, time, and employees assigned.

Use case:	UC-07: View existing work shifts
Actor:	HR Manager
Pre-condition:	Be logged in
Main Success Scenario:	<ol style="list-style-type: none"> 1. Actor clicks on "Work Schedule" 2. System shows all Shifts are shown for the week 3. End use case
Extensions:	

8. Delete existing work shift

The HR Manager can remove a work shift from the system, ensuring that it no longer affects scheduling.

Use case:	UC-08: Delete existing work shifts
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Actor:	HR Manager
Pre-condition:	Be logged in
Main Success Scenario:	<ol style="list-style-type: none"> 1. Actor selects the desired day 2. System shows all shifts in the day 3. Actor selects desired shift to remove 4. Actor clicks "Remove Shift" 5. System removes work shift 6. System shows that the shift has been removed 7. End use case
Extensions:	3a) No Shift Selected <ol style="list-style-type: none"> 1. System shows error 2. Return to step 1

9. Assign employees to work shift

HR Margin can assign employees to specific work shifts, ensuring proper staffing.

Use case:	UC-09: Assign employees to work shifts
Actor:	HR Manager
Pre-condition:	Be logged in
Main Success Scenario:	<ol style="list-style-type: none"> 1. Actor selects a shift 2. System shows shift 3. Actor selects an employee 4. Actor clicks "Add to Shift" 5. System adds employee to shift 6. System shows adding successful 7. End use case
Extensions:	4a) No Employee Selected <ol style="list-style-type: none"> 1. System shows Errors 2. Return to step 3

10. View work shift of specific employee

HR Manager can see a particular employee's assigned work shifts to manage their schedule effectively.

Use case:	UC-10: View work shifts of specific employee
Actor:	Employee
Pre-condition:	Be logged in
Main Success Scenario:	<ol style="list-style-type: none"> 1. Actor goes to schedule page 2. Website shows schedule of employee 3. Actor picks date with shifts 4. Shift details shown
Extensions:	3a) Employee does not have shift scheduled <ol style="list-style-type: none"> 1. Schedule is empty

11. Remove employee from work shift

HR Manager can remove an employee from a specific work shift when necessary.

Use case:	UC-11: Remove employee from work shift
Actor:	HR Manager
Pre-condition:	Be logged in
1. Main Success Scenario:	<ol style="list-style-type: none"> 1. Actor selects a shift 2. System shows shift 3. Actor goes to remove employee tab 4. System shows employee on shift 5. Actor selects an employee 6. Actor clicks "Remove from shift" 7. System adds employee to shift 8. System shows adding successful 9. End use case
Extensions:	5a) No Employee Selected <ol style="list-style-type: none"> 1. System shows error 2. Return to step 1

Should Have Use Cases:

12. Automatically Assign employee on work shift

The HR Manager can automatically assign work shift for a specific date

Use case:	UC-12: Automatically assign employee to workshift
Actor:	HR Manager
Pre-condition:	Be logged in
2. Main Success Scenario:	<ol style="list-style-type: none"> 1. Actor navigates to work schedule form 2. System shows work schedule form 3. Actor fills in required data to make automatic scheduling 4. Actor clicks on automatic schedule button 5. System automatically creates and add employees to workshift 6. End use case
Extensions:	

13. Create New Products

Depot Workers can add new products to the system, including details like name, description, and price.

Use case:	UC-13: Create New Products
Actor:	Logistics Worker
Pre-condition:	Be logged in
Main Success Scenario:	<ol style="list-style-type: none"> 1. Actor requests to create new product 2. System shows field that required to be entered 3. Actor filled in required data 4. Actor adds product 5. System checks product details 6. Employee added 7. End use case
Extensions:	5a) Data not valid <ol style="list-style-type: none"> 1. System shows error 2. Return to step 3

14. Edit Existing Products

Depot Workers can update the information of existing products, such as changing their price or description.

Use case:	UC-14: Edit Existing products
Actor:	Logistics Worker
Pre-condition:	Be logged in
Main Success Scenario:	<ol style="list-style-type: none">1. Actor selects a specific product2. Actor requests to edit the selected product3. System shows fields that are currently filled with the product's details4. Actor changes a detail from the wanted fields.5. Actor confirms changes6. System checks product details7. System displays that the product details has been changed
Extensions:	<p>6a) Data not valid</p> <ol style="list-style-type: none">3. System shows error4. Return to step 4

15. View Existing Products

Sales Representative and Depot Workers can browse the list of products available in the system, viewing details like name and price.

Use case:	UC-15: View existing products
Actor:	Logistics Worker
Pre-condition:	Be logged in
Main Success Scenario:	<ol style="list-style-type: none">1. Actor requests to view products2. System show products data3. End use case
Extensions:	

16. Delete Existing Products

Depot Workers can remove products from the system when necessary.

Use case:	UC-16: Delete existing products
Actor:	Logistics Worker
Pre-condition:	Be logged in
Main Success Scenario:	<ol style="list-style-type: none"> 1. Actor selects a product to delete 2. System asks actor for confirmation 3. Actor confirms 4. System deletes selected product 5. product deleted 6. End use case
Extensions:	3a) Actor cancels the action <ol style="list-style-type: none"> 1. Product is not deleted 2. End use case

Could Have Use Cases:

17. Request Product Restock

Employee can request to restock products

Use case:	UC-17: Request product restock
Actor:	Employee
Pre-condition:	Be logged in
3. Main Success Scenario:	<ol style="list-style-type: none"> 1. Actor goes to product page 2. System shows product page 3. Actor adds the amount of stock that needs to be added to certain product and the message 4. Actor clicks on send request 5. System checks actor's request 6. System sends request to database
Extensions:	5a) request invalid <ol style="list-style-type: none"> 1. System shows error 2. Return to step 3

18. View Product Restock Requests

Logistics worker can see and restock the product requested

Use case:	UC-18: View product restock requests
Actor:	Logistics worker
Pre-condition:	Be logged in
4. Main Success Scenario:	<ol style="list-style-type: none"> 1. Actor logs in to desktop app with logistics account 2. System shows home page 3. Actor goes to Depot Management 4. System shows Restock requests 5. Actor selects restock button next to requests 6. System fills quick restock tab with data that was given 7. Actor clicks on Restock 8. System updates stock of product 9. System deletes request 10. End use case
Extensions:	5a) Actor selects delete request <ol style="list-style-type: none"> 1. Request is deleted 2. End use case

19. Check In and Check Out of Work Shifts for Employee

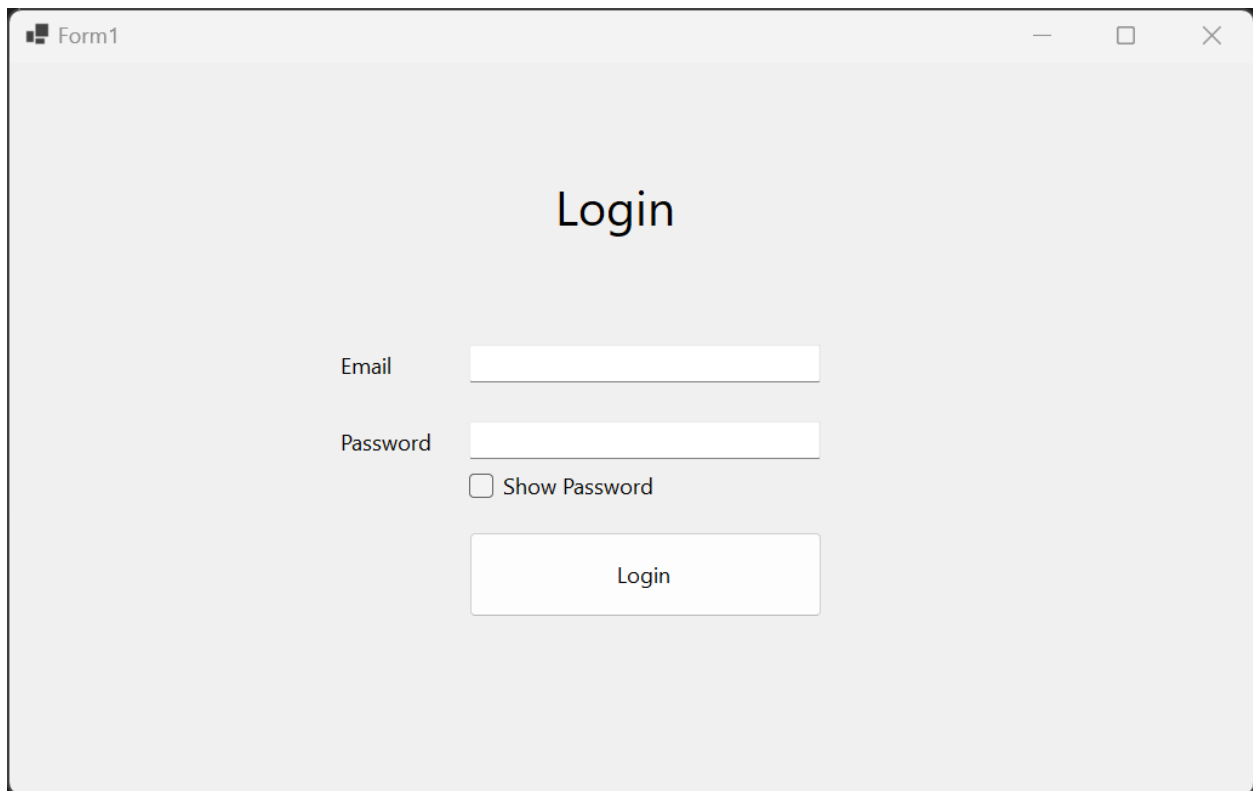
Employees can use the system to check in when they start a work shift and check out when they finish, allowing for better attendance tracking.

Use case:	UC-19: Check in and Check out of work shift
Actor:	Employee
Pre-condition:	Be logged in
5. Main Success Scenario:	<ol style="list-style-type: none"> 1. Actor logs in to website 2. Actor goes to schedule 3. System shows shift 4. Actor clicks on start shift 5. System starts shift 6. Actor clicks on end shift 7. System ends shift 8. End use case

Extensions:	
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ii. Application screenshots

Desktop Application



The screenshot shows a desktop application window with the title bar 'Form1'. The window contains a login form with the following elements:

- A large heading 'Login' centered at the top.
- An 'Email' label followed by a text input field.
- A 'Password' label followed by a text input field.
- A checkbox labeled 'Show Password' below the password field.
- A 'Login' button centered below the input fields.

Login Form

Employee

WorkShift

Department

Welcome

Log Out

Home Form

Menu

Employee

WorkShift

Department

Home

Employees Add Employee Edit Employee

Id	firstName	lastName	contract	email	phoneNumber	nationality
21	Jack	Doyle	fullTime	j.doyle@media...	0612889751	Netherlands
22	Hans	Hansen	partTime	h.hansen@med...	0123456789	Germany
24	Jaan	Jansen	fullTime	j.jansen@media...	012345678	Netherlands
25	owen	Johnson	fullTime	o.johnson@me...	06112930223	Netherlands
63	Gates	Hylden	fullTime	ghylden1@usa...	2224689677	Philippines
66	Reggis	Bending	fullTime	rbending4@ezi...	9418712830	United States
73	Annabell	Bruton	fullTime	abrutonb@how...	8236123278	Portugal
81	Henrietta	Christensen	fullTime	hchristensen0...	6102410604	Tanzania
82	Ronni	Sollam	fullTime	rsollam1@redd...	2166321164	Norway
83	Stefanie	Sleany	partTime	ssleany2@ft.com	9708560677	Philippines
84	Marys	Estrella	fullTime	mestrella3@cs...	2364951851	Canada
85	Budi	Hartono	partTime	whuddle4@cor...	2089134031	Indonesia
86	Alain	Brookesbie	fullTime	abrookesbie5@...	1262928701	Ukraine
87	Suzann	Haller	fullTime	shaller6@mark...	1339518514	Russia
88	Rolph	McGuggy	fullTime	rmcguggy7@w...	3534589170	Philippines
89	Tamma	Harte	fullTime	tharte8@free.fr	2597913369	Brazil
90	Morganica	Wildber	fullTime	mwildber9@na...	7069521847	Sweden
91	Oscary	Cijntje	partTime	o.cijntje@medi...	0654321789	Curacao

Search by name

Department Filter

Search

Clear Search

Edit

Fire Employee

Employee Form

Employee

Menu

Employee

WorkShift

Department

Home

Employees

Add Employee

Edit Employee

Basic Details

First Name

John

Last Name

Johnson

Email

jjansen@mediabazaar.nl

Password

☐ ••••••••

Phone Number

0654321789

Postal Code

4277PP

Street

Den Boschweg 11

Nationality

Dutch

Date Of Birth

Monday , 01 February 1988

BSN

212329014

Department

Position

Cashier

Department

HR

Start Date

Thursday , 25 January 2024

End Date

Thursday , 25 January 2024

Contract

partTime

Bilingual

☐ Yes

Emergency

Name

Jullie Janeke

Contact

0644619179

Relationship

Spouse

Demo

Add Employee

Add Employee

DepartmentManagement

Menu

Employee

WorkShift

Department

Home

Departments

Add Department

Edit Department

	departmentId	Name	Description
▶	1	HR	
	2	CustomerService	
	3	Security	
	4	Logistics	

Search by name

Search

Clear Search

Edit

Delete Department

Department Form

Menu

Employee

WorkShift

Department

Department Filter

CustomerService

Week 4

Previous Week

Current Week

Next Week

January

2024

Sunday

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

21

22

23

24

25

Morning Shift - 1/1

Afternoon Shift - 0/3

Evening Shift - 0/1

View

26

Morning Shift - 0/1

Afternoon Shift - 1/1

There is no shift created

View

27

Morning Shift - 3/3

Afternoon Shift - 3/3

Evening Shift - 3/3

View

Automatic Scheduling

Date of Shift

25/01/2024

Min Employee on Shift

1

Automatically Assign Workshift

Manual Scheduling

Create New Shift

Home

Work Schedule form

AddingShifts

Nr Of People Needed

0

Shift Type

Department

January 2024

Sun	Mon	Tue	Wed	Thu	Fri	Sat
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7	8	9	10

Today: 25/01/2024

Add Shift

Create Work Shift form

EditingShifts

Shift

Add Employees

Remove Employees

Morning Shift: 1

Shift Type

Morning Shift

Afternoon Shift: 3

Evening Shift: 1

Edit Number People Needed

ID	First Name	Last Name	Department
22	Hans	Hansen	CustomerService

Edit shift form

DepotManagement

Menu

Restock Requests

Products

Add Product

Edit Product

RequestId	ProductId	EmployeeId	Message	RestockNumber	Restock
1	2	81		5	Restock
2	1	0	The stock is to l...	4	Restock
3	2	81		5	Restock
9	1002	24	add more	5	Restock

Quick Restock

Product name

Product Id

0

Add Stock By

0

Restock Item

Send To edit Tab

Depot Management, Restock requests

DepotManagement

Menu

Restock RequestsProductsAdd ProductEdit Product

	productId	name	brand	price	description	category	stock
▶	1	Desktop PC	Dell	129,9900	Desktop PC ma...	Electronics	25
	2	Wireless Headset	Sony	69,9900	wireless Sony h...	Audio	15
	1002	product 1	brand 1	59,0000	something	something	1
	1003	product 2	brand 2	59,0000	something	thing	1
	1004	product 3	brand 3	59,0000	something	product	1
	1005	product 4	brand 4	59,0000	something	copy machine	1
	1006	product 5	brand 5	59,0000	something	vacuum cleaner	1
	1007	product 6	brand 6	59,0000	something	Electronics	1

Home

Search by name

Category Filter

-

Search

Clear Search

Edit

Delete Product

Product Form

Web Application

Login page - MediaBazaarSite

https://localhost:7216/Login

MediaBazaar

Login

Login

email

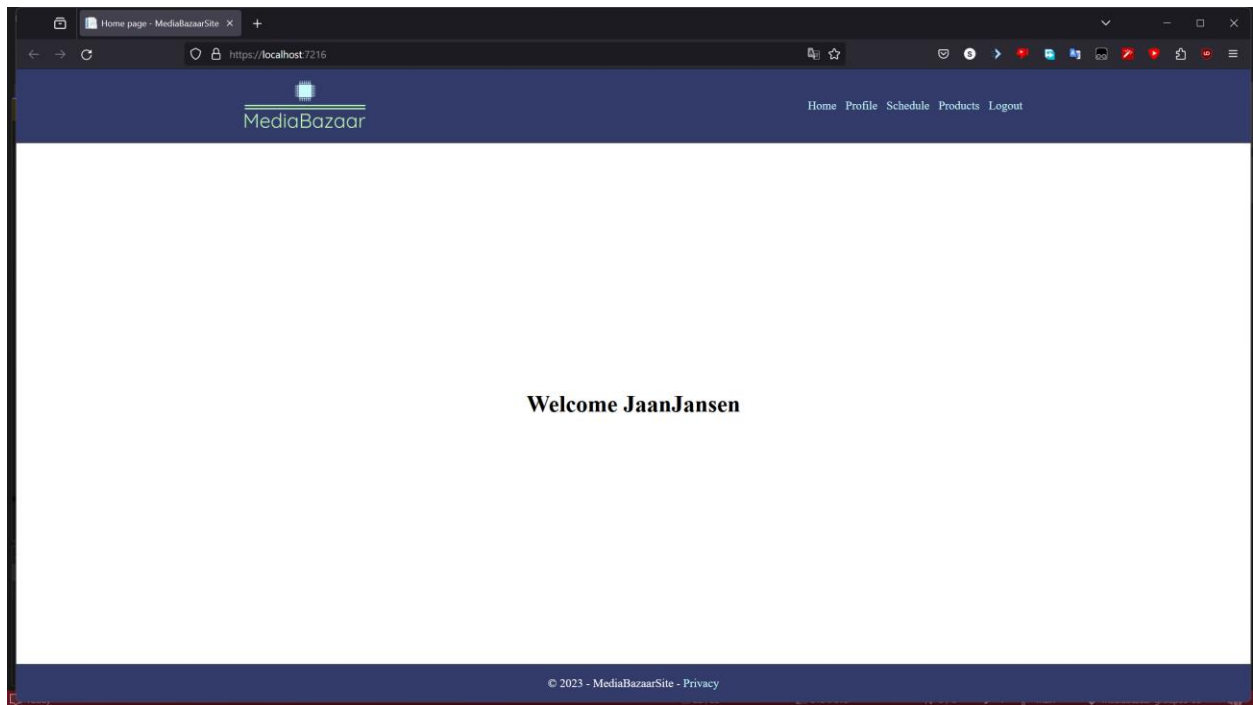
password

Login

Forgot Password?

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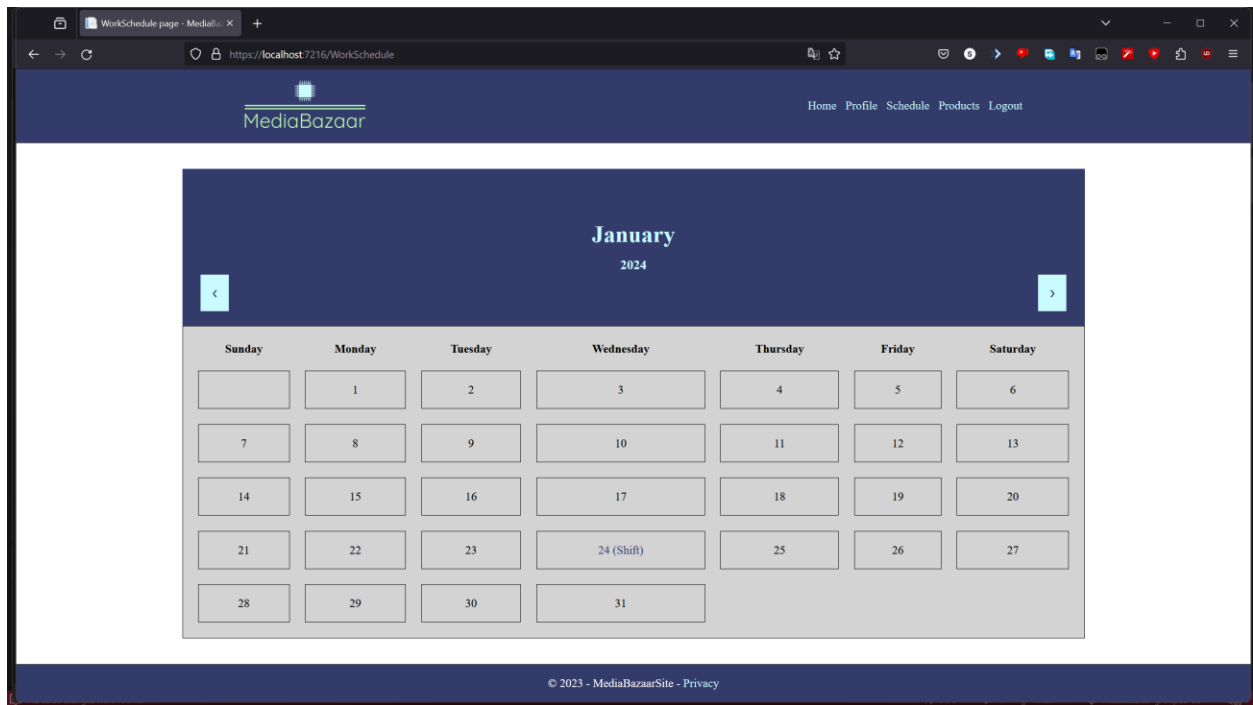
Log in page



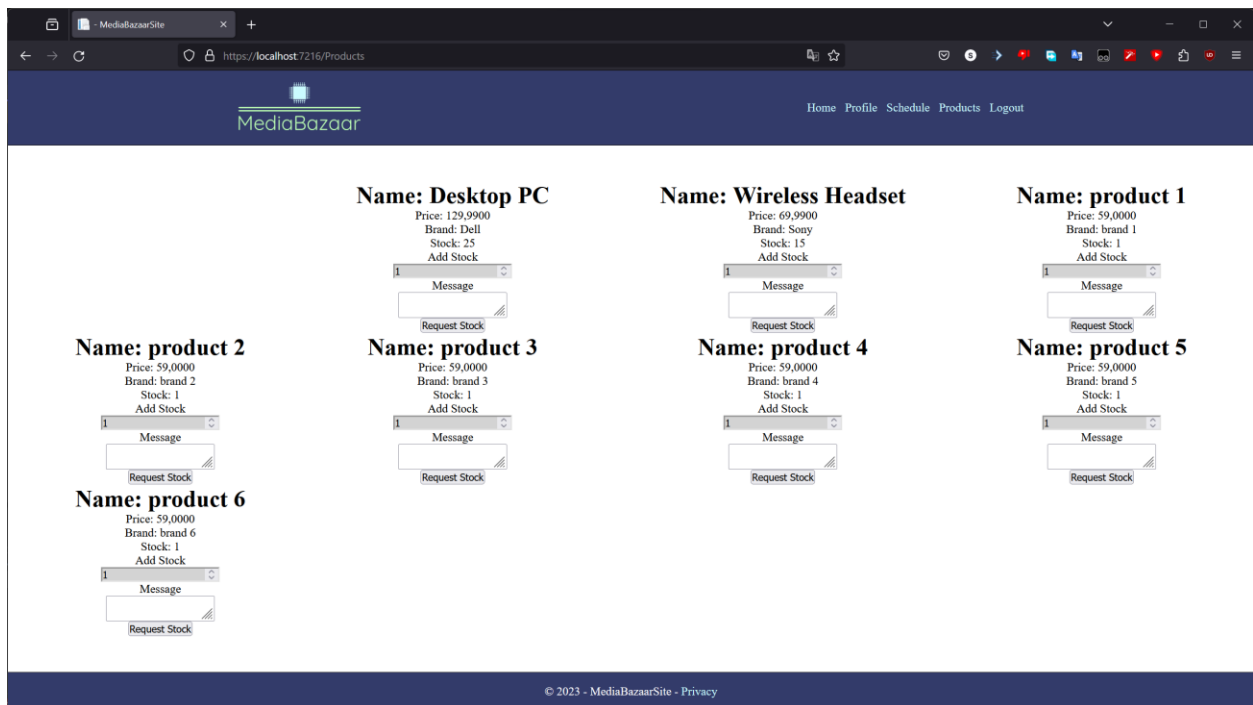
Index page after logging in

A screenshot of the MediaBazaar profile page. The browser's address bar shows 'https://localhost:7216/Profile'. The page layout includes a dark blue header with the 'MediaBazaar' logo and navigation links. Below the header, the text 'Hello: JaanJansen' is centered. The main content area is divided into three columns: 'Basic Information', 'Work Information', and 'Emergency Information'. Each column contains a form with various input fields. The 'Basic Information' column includes fields for First Name (Jaan), Last Name (Jansen), Email (j.jansen@mediabazaar.nl), Phone Number (012345678), Street (Magellansstraat 11), Postal Code (2371BB), Nationality (Netherlands), and BSN (21234475). The 'Work Information' column includes fields for Position (Cashier), Department (CustomerService), Contract (fullTime), and Language (English and Dutch). The 'Emergency Information' column includes fields for Emergency Contact (0612219179), Emergency Name (Mieke Joris), Emergency Relationship (Spouse), and a 'Save' button. A 'Change' button is located at the bottom of the 'Basic Information' column. The footer at the bottom of the page reads '© 2023 - MediaBazaarSite - Privacy'.

Profile page



Schedule page



Request product restock page