Group Name: Artichoke

URS: Waterfall and Iterative

Location: Fontys University of Applied Sciences

Tutor: Gupta Roopali

Members:

- Dave La Gordt Dillie: 434661
- Mary Joseph: 3814505
- Sebastian Bokkestijn: 437602

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1. Introduction

The company Media Bazaar is a hardware retail company that is planning to open a shop in Eindhoven. The company is foreseeing management problems in keeping track of their product and employees. The purpose of this document is to present the solutions that the Artichoke team has to offer.

2. Agreements with client

During the meetings the following has been agreed upon.

Within 18 weeks, Artichoke will deliver a Desktop application made in c# and a web application made with php, html, css and js. The software application will have the following features and functionalities:

- Login for different types of users (Employee, Manager, Admin).
- A change password option and first time login feature to change password.
- Hashed password for security reasons.
- A schedule overview for each employee and an overview for a given date.
- A request system with managers sending and employees completing them.
- A stock management system with add, edit, delete and the as mentioned before request functionalities.
- An employee management system with assigning schedules functionality, adding and editing employees as well.
- Statistics in the form of graphs to show data about employees, salaries, departments.
- A PDF download system with the option to choose a file name and save location.
- Option to add or change departments.
- Mailing system to give new users their login details

The web application will have the following features and functionalities:

- View low on stock items
- Change personal data
- Add new employees and view all employee
- Same mailing system as the desktop application
- View schedules

3. Functional Requirements

FR-01: Users are able to login to the desktop application.
- Only employees of the company are able to login.
- The password is covered in black dots for privacy.

FR-02: Users can see their schedule .
- The user can see their shifts on a calendar.

FR-03: Employees can see their attendance.
- Managers and administrators can also see employee's attendance.

FR-04: Managers can see stock statistics.
- Managers can see how much of each item is in stock.
- Managers can see active orders for new items .

FR-05: Managers can send requests for restocking to specific departments.
- Managers can acknowledge the request notifying the manager that it is being worked on.
- Managers can see all active requests and see whether they are being worked on.
- Managers can put a list of entities in the request that need to be restocked.

FR-06: Administrators can add an employee to the system.
- Administrators can add the name, department, hourly wage and address.
- Employees will be sent an email with their login details automatically.
- Employees and administrators can change employee's personal information.

FR-07: Administrators can see employee statistics.
- Attendance, a list of employees and the amount of employees can be seen.

FR-08: Administrators can assign shifts to employees.
- Shifts can be assigned for morning, afternoon and evening.
- Employees can see the assigned shifts (FR-02).

4. Use Cases

UC-01: Login into the application, FR-01
Actor: User
Precondition: the user has received account details in their mail

Main Success Scenario:

1. The actor goes to login to the system
2. The system shows the user a login form
3. The actor fills in their login details
4. The system validates the credentials and logs the actor in

Exceptions:

3a. The actor has typed in the wrong password

1. The system notifies the user to re-type their password and goes back to MSS step 2

3b. The actor has not filled in a password.

1. The system notifies the actor that a password is required and goes back to MSS step 2.

3c. The actor requests to reset their password.

1. The system requests an email for the link to reset the password.
2. The actor fills in an email.
3. The system sends an email with a link to reset the actors password.
4. The actor opens the link.
5. The system redirects the actor to the reset password page.
6. The actor fills in their new password twice.
7. The system changes the actor's password.

Name: UC-02: Timetable: FR-02
Actors: User
Post condition: The user can see their timetable

Main Success Scenario:

1. The actor selects the timetable page
2. The system redirects the actor to the timetable page

Exceptions:

1a. The actor is not logged in

1. The system notifies the actor that they cannot view their timetable because they are not logged in and redirects them to the login screen

Name: UC-03: Attendance check: FR-03
Actors: Employee
Precondition : The employee is logged in

Main Success Scenario

1. The actor selects the attendance page
2. The system redirects the actor to the attendance page

Name: UC-04: Stock statistics: FR-04
Actors: User
Precondition : The user is logged in

Main Success Scenario

1. The actor goes to the stock page
2. The system shows the stock page
3. The actor selects an item to see more in depth information about
4. The system shows the statistics for that item on a separate modal

Exceptions:

1a. The actor does not have the right permissions to access the stock page

1. The system notifies the actor that they are missing permission to view the stock and brings them back to the previous page.

Name: UC-05: Restock requests: FR-05
Actors: User
Precondition : The user is logged in

Main Success Scenario

1. The actor goes to stock page
2. The system shows the stock page
3. The actor goes to make a restock request
4. The system requests a department name and list of entities
5. The actor fills in the required information
6. The system gives a preview of the request
7. The actor confirms
8. The system confirms that the request has been sent

Exceptions:

5a. The chosen department has already received a request for that list of entities

1. The system notifies the actor of the duplicate and asks for confirmation to send the request anyway
2. The actor confirms to send anyway

Name: UC-06: Adding new employees: FR-06
Actors: Administrator
Precondition : The administrator is logged in

Main Success Scenario

1. The actor goes to the admin page
2. The system shows the actor the admin dashboard
3. The actor goes to add a new employee
4. The system requests the name, email, department and hourly wage.
5. The actor inputs all the request information and confirms.
6. The system sends an email to the employee with their login credentials.

Exceptions:

5a. The actor hasn't filled in all the required information

1. The system notifies the actor that all the information must be filled in before continuing and goes back to MSS step 4

Name: UC-07: Checking employee statistics: FR-07
Actors: Administrator
Precondition : The administrator is logged in

Main Success Scenario

1. The actor goes to the admin page
2. The system shows the actor the admin dashboard
3. The actor requests to see employees
4. The system shows a list of employees with statistics on the side

Name: UC-08: Assigned shifts: FR-08
Actors: Administrator
Precondition : The administrator is logged in

Main Success Scenario

1. The actor goes to the admin page
2. The system shows the actor the admin dashboard
3. The actor requests to see the employees

4. The system shows a list of employees
5. The actor chooses an employee and assigns a shift to the employee and confirms
6. The system add the shift to the employee's schedule and the system goes back to the list of employees

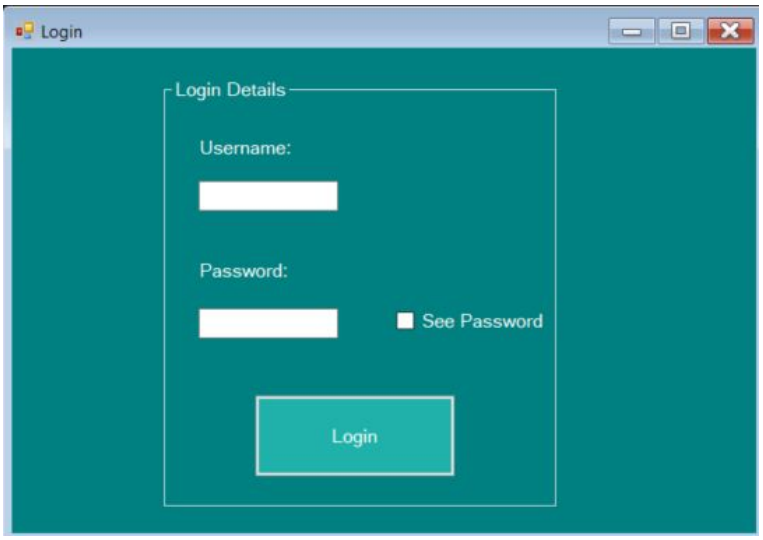
Exceptions:

5a. The employee is already assigned to a shift at the given time

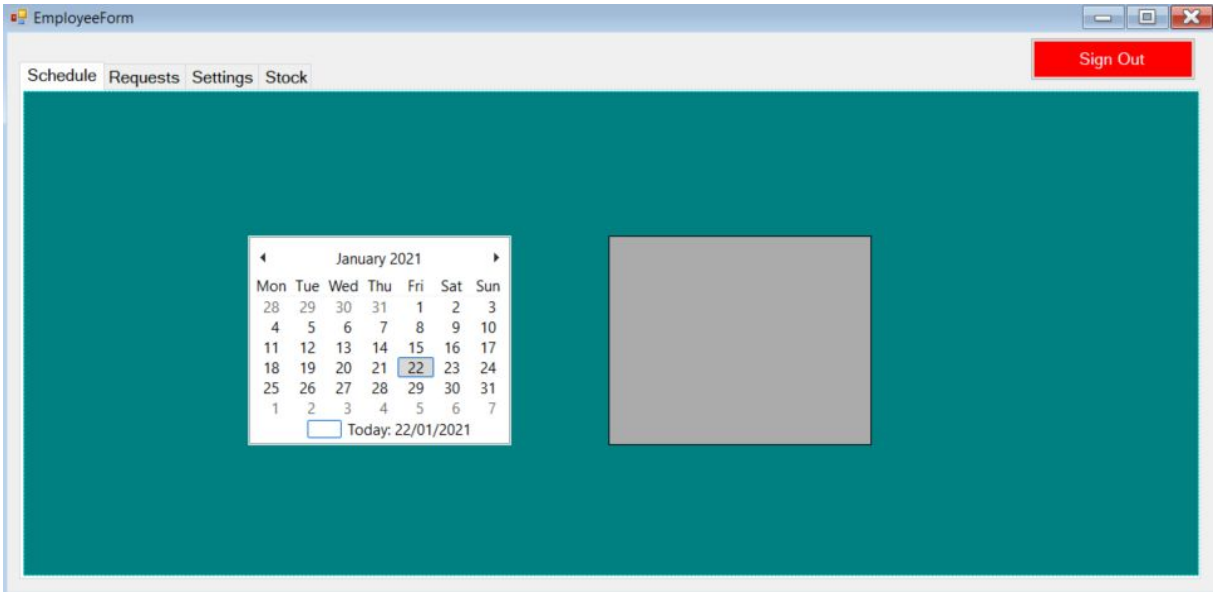
1. The system notifies the actor that an employee is already assigned to the shift

5. GUI

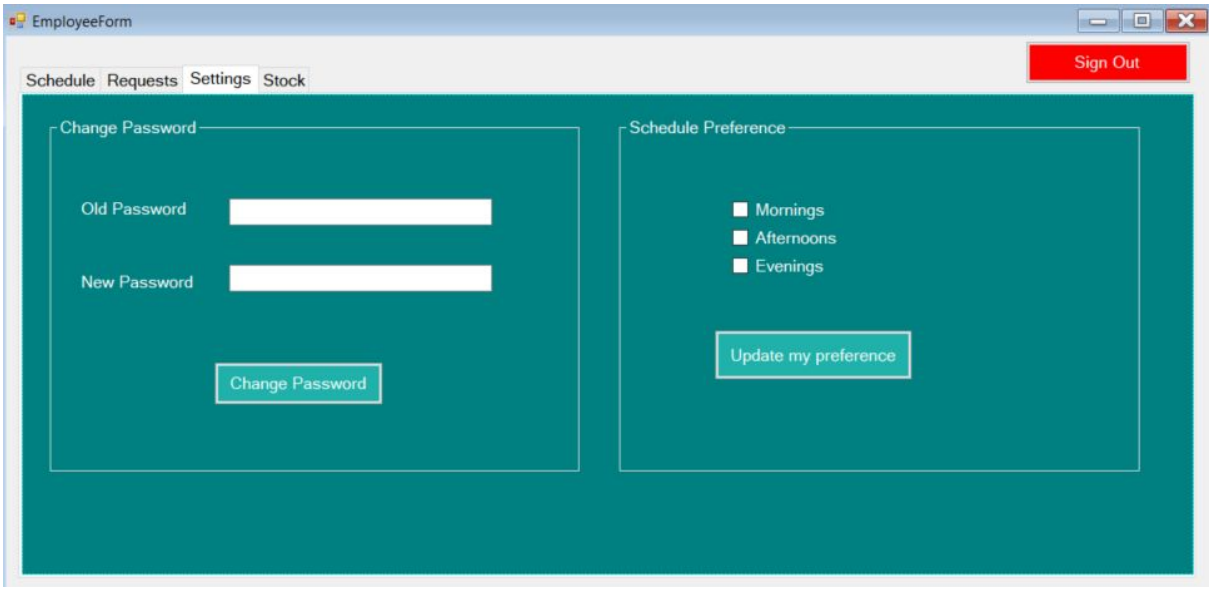
Login



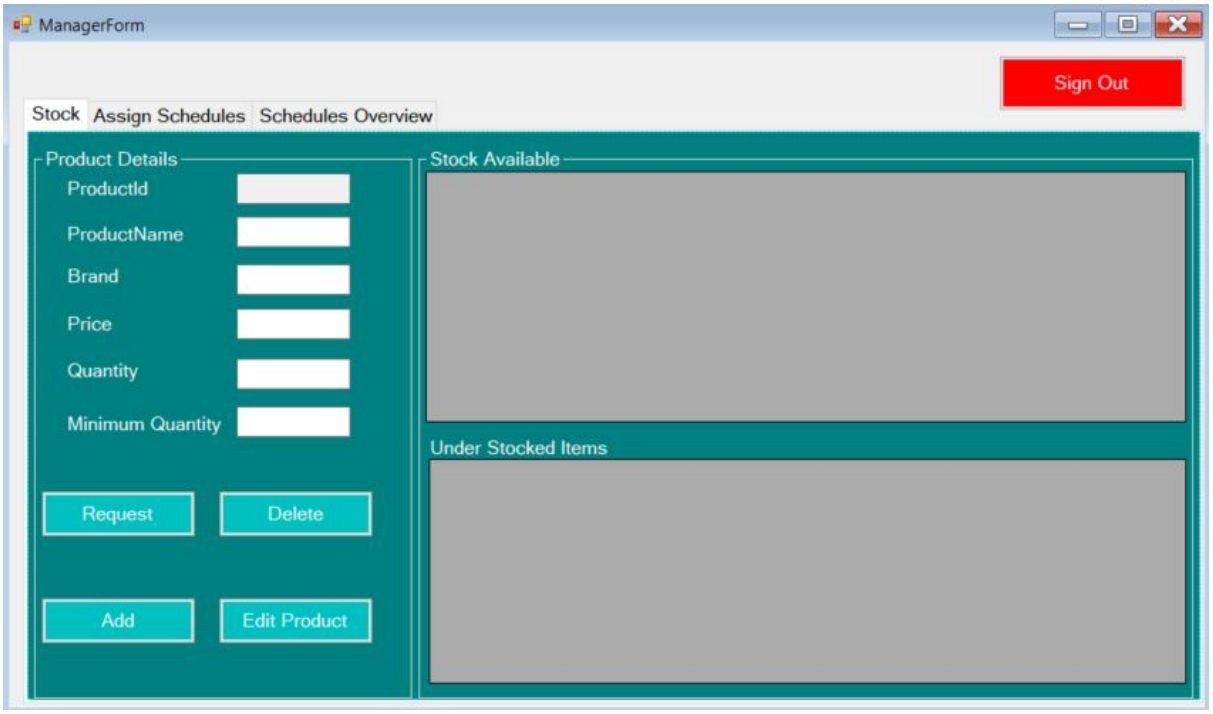
Employee view



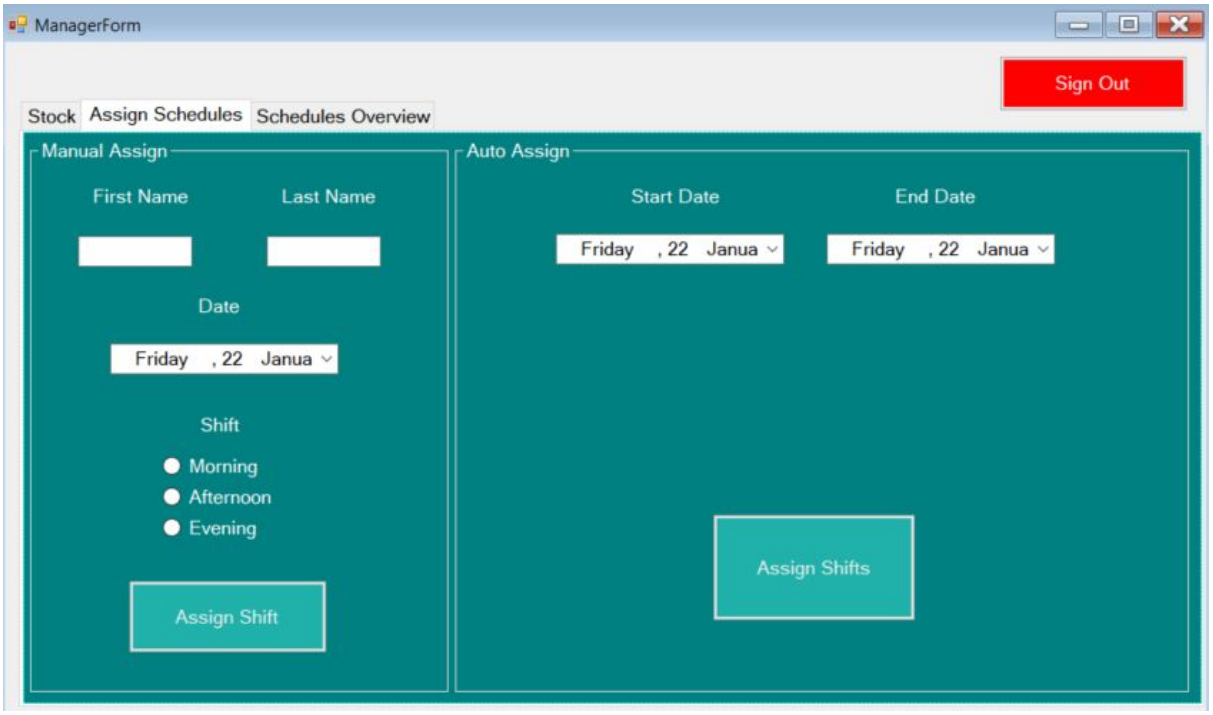
Settings Tab



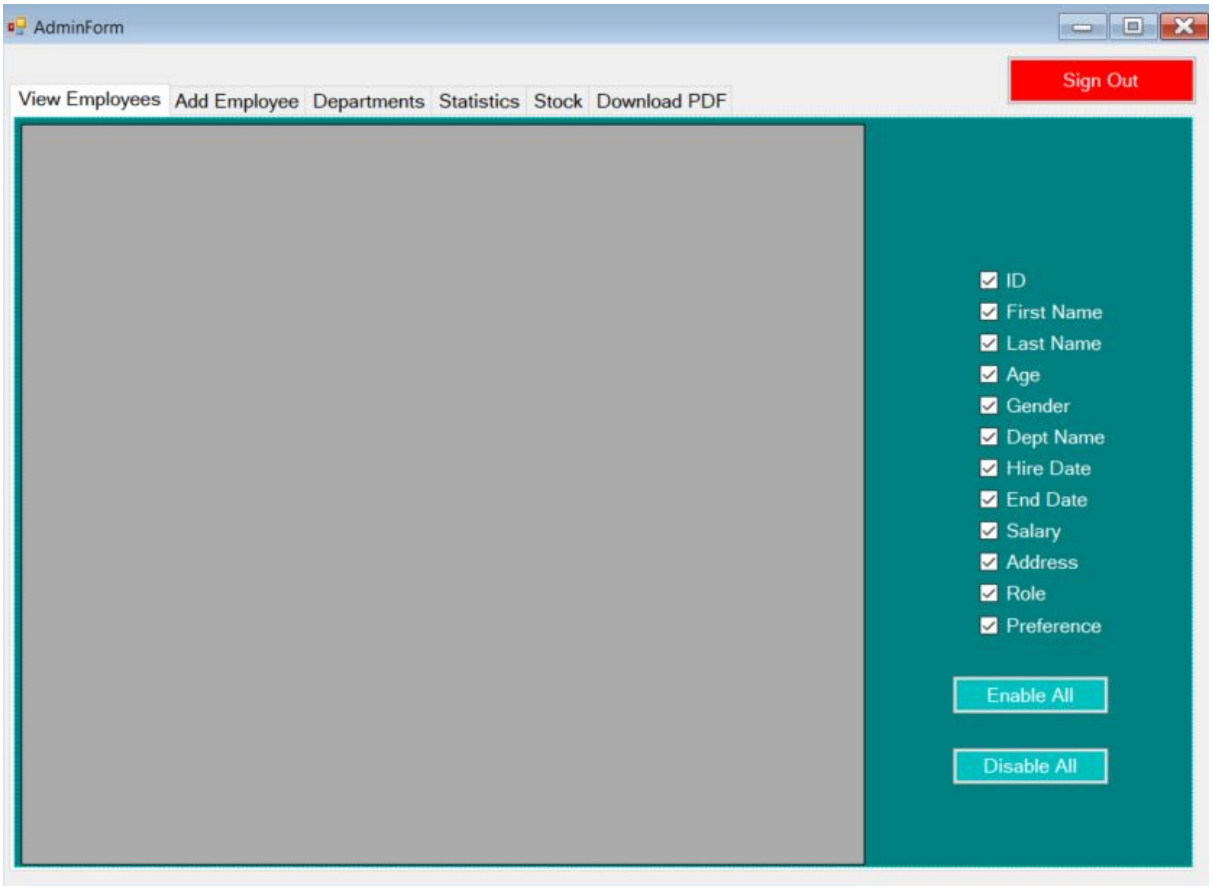
Manager view



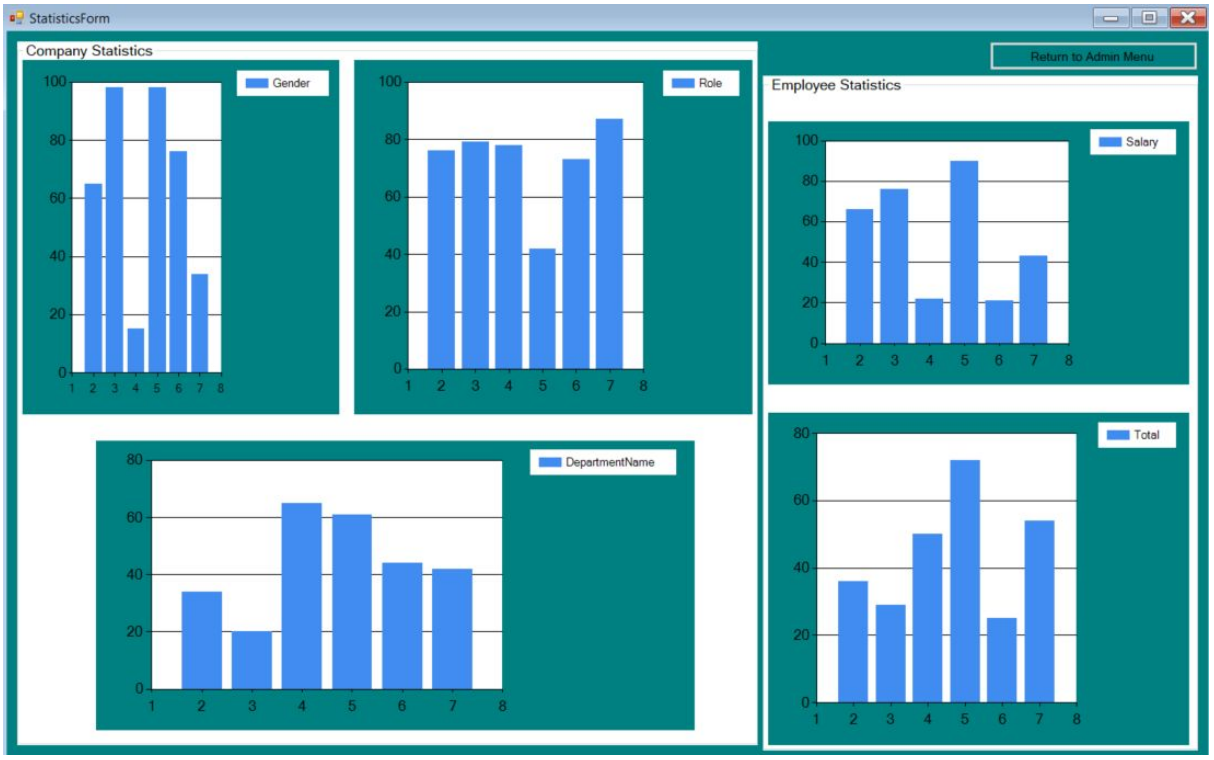
Assign Schedules Tab



Admin view



Statistics


StatisticsForm
Company Statistics
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Role
DepartmentName
Return to Admin Menu
Employee Statistics
Salary
Total