User Requirements Specification

Software solution for "Media Bazaar"
GROUP 1

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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 client-server software application for Windows operating system.
4) Team presents the product to the Client.
5) Project must be completed within the period of 6 weeks.

Functional requirements

All the requirements were discussed with client. *"User" later in the document is an abstract alias to describe the functionality.*

Windows application (Manager and Administrator side):

1. **FR-01** User can login to the system with personal credentials.
2. **FR-02** User can change the password.
3. **FR-03** User can logout from the system.
4. **FR-04** User can view list of employees.
5. **FR-05** User can add employee to the system.
6. **FR-06** User can update employee information.
7. **FR-07** User can modify employee status
   iii)   Active / Inactive
   ii)   Started / Not started
8. **FR-08** User can view statistical information (Employee attendance, employee salaries, stock amount, employee count per department)
9. **FR-09** User can view employee schedule.
10. **FR-10** User can assign one of three shifts to employee.
11. **FR-11** User can update information concerning employee's schedule.
12. **FR-12** User can cancel shift assignment for the employee.
13. **FR-13** System can automatically organize employee schedule
    iii)   Following employee preference if possible.
    ii) Based on work contract.
    iii) According to work regulation.
14. **FR-14** User can view list of departments.
15. **FR-15** User can add new departments.
16. **FR-16** User can update information about departments.
17. **FR-17** User can assign employee to the department.
18. **FR-18** User can remove department from the system.

19. **FR-19** User can view items in stock.
20. **FR-20** User can view restoke request(s).
21. **FR-21** User can add items to the system.
22. **FR-22** User can update information regarding items.
23. **FR-23** User can remove items from the system.
24. **FR-24** User can view statistics concerning items in stock.

Website (Employee side):

1. **FR-25** User can login to the system with personal credentials.
2. **FR-26** User can change the password.
3. **FR-27** User can logout from the system.
4. **FR-28** User can view the work schedule.
5. **FR-29** User can choose preferred shift.
6. **FR-30** User can cancel the schedule.
7. **FR-31** User can send message(complaint, suggestion etc.) to a manager.
8. **FR-32** User can view list of items in stock.
9. **FR-33** User can send restoke request.

Prioritizing table MoSCow

MoSCoW table represents four levels of task prioritizing. The abbreviation stands for *Must, Should, Could and Won't.*

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

Feature	Must have	Should Have	Could have	Won't have
Store employee data (name, number, address etc.)	✅			
Store stock data (product name, numbe, quantity etc.)	✅			
Assign workshifts to employees	✅			
View employee and stock statistics	✅			
Extend application features	✅			
Add or terminate employees	✅			
Store history of previous employees		✅		

Login/logout to unique profile	✅			
Restrict or grant access to certain permissions and features based on role	✅			
View employee attendance			✅	
Register as a new user				✅
Track employee activity/availability	✅			
Schedule shifts to employees	✅			
View departments and their information	✅			
View products and their information	✅			
Add/remove a department	✅			
Add/remove products	✅			

Access system from home computer				✅
Employee can edit their work-related information (such as salary and role)				✅
State shift preference		✅		
Website connected to same database as application	✅			
Employee can login/logout of website	✅			
Employee can register in website				✅
Employee can view personal information in website	✅			
Employee can view schedule in website	✅			
Employee can contact manager through website			✅	
Employee can state a shift preference			✅	

Wireframes

Employee section (list of employees with search bar and button referencing to dialog windows)
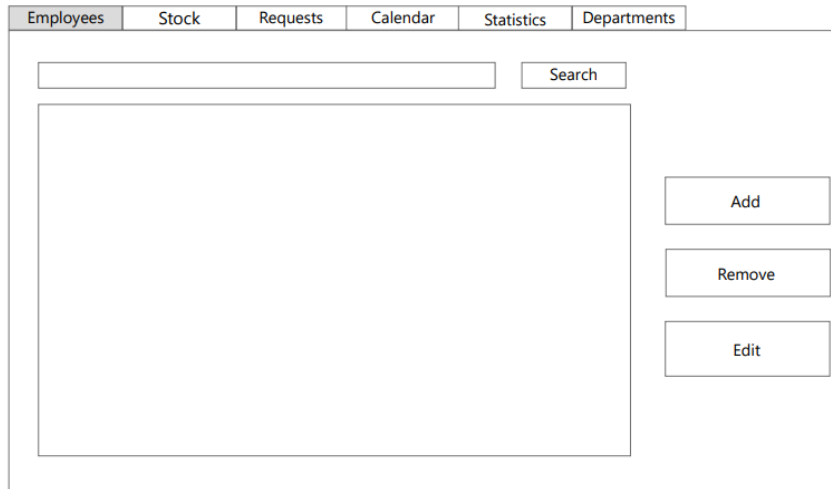
Employee view (list of item stock requests with button referencing to approve/ reject and view button referencing to dialogue window.)
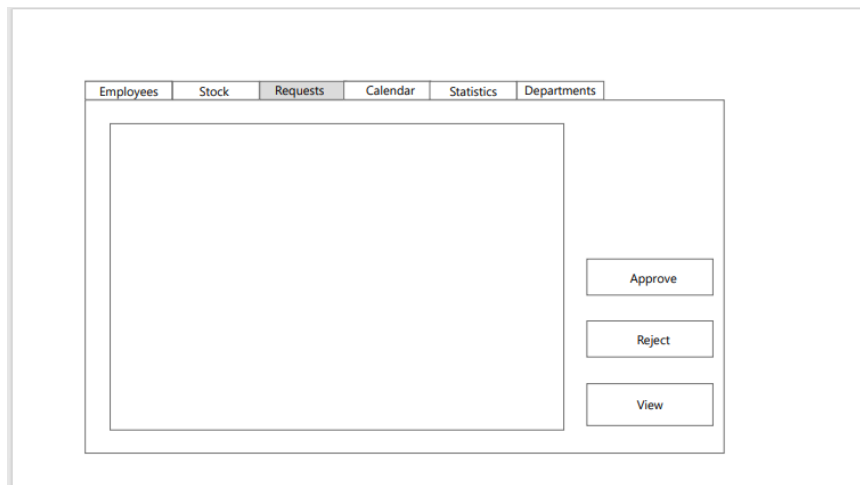
Example of dialogue window with all forms needed to add new employee.

More wireframes can be found in our GIT repository:
https://git.fhict.nl/I454066/prj-cb07-group1/-/tree/master/Documentation/Wireframes.pdf