



Software Solution

Media Bazaar

Project Plan

10.03.2024

Client: Media Bazaar

Frank de Lepper (CEO)
f.delepper@fontys.nl

Supplier: Code Commanders

Samuil (Team Leader) - 527531@student.fontys.nl
Nyambe (UI Designer & Developer) - 525792@student.fontys.nl
Kristof (Developer) - 530008@student.fontys.nl
Ivan (Developer) - 525948@student.fontys.nl
Alex (Developer) - 525933@student.fontys.nl

Stakeholders

- Frank (CEO)
- Managers
- Employees

Table of contents

Client: Media Bazaar.....	1
Supplier: Code Commanders.....	1
Stakeholders.....	1
Table of contents.....	2
Current situation.....	3
Problem.....	3
Goals.....	3
Deliverables.....	3
Non - Deliverables.....	4
Constraints.....	4
Phasing.....	4
Gantt chart.....	5

Current situation

- A new hardware store “Media Bazaar”, daughter company of well-known company “Jupiter”, is opening their first shop in Eindhoven and they are aiming to start the business in a well structured and organized way. Currently they are managing supplies and employees with excel sheets and online calendars, but they want to move to a well functioning managing software.

Problem

Employee management:

- Due to a lack of good digital solutions to track their employees, with the manager needing to manage and send shifts through online calendars and excel sheets, it becomes too detailed and unreliable. In addition, if employees need to send their availability or want to drop a shift, they would need to call the HR department, who would then have to go and update the shifts. Since all of the employee data is at the main office, there is also currently no way to easily view information about different employees and no aggregated data about stuff like their attendance.

Stock management:

- There isn't a database system set up, so it's harder for the store to track the stock amounts and view details like EAN, category, selling price, etc. In addition, there is no easy way to look through the items, edit them and track them in the depot.

Goals

Providing a software product, containing:

- Desktop managing system capable of:
 - + Managing employee data
 - + Controlling of employee shifts
 - + Managing stocks' data

Deliverables

- Software Product, containing a Desktop interface
- A demo presentation of how the application works and what features it has
- Test documents, URS document, Project plan

Non - Deliverables

- Design Documentation
- Design Prototype
- Training manual for future users
- Source code

Constraints

- GitLab
- Microsoft SQL server management studio
- Deadline: **25th March, 2024 - 4:00PM**
- Desktop App will be programmed using C#
- Desktop App Development Framework will be made with Windows Forms

Phasing

1. Design (04/03 - 10/03):
 - a. User Interface designs - 4 hours
 - b. UML diagram - 3 hours
 - c. Database entity relation diagram - 5 hours
2. Start Implementation (06/03 - 19/03):
 - a. Recreating the UI design in Winforms - 30 hours
 - b. Create a Database and link it to the application - 10 hours
 - c. Programming the solution - 150 hours
3. Finish Implementation & Debugging (20/03 - 27/03):
 - a. Complete the last of the functionality of the program - 25 hours
 - b. Testing and debugging - 25 hours
4. Presentation (28/03 - 02/04):
 - a. Create a presentation - 2 hours

Total estimated time: 254 hours

Gantt chart

