

Fontys Hogescholen

Project Plan

Group name: R2DA



Team members: Rawan Abou Dehn, Anas Ahmad, Rareş Băluţoiu and Denys Sytnyk.

Supervisor: André Postma

Eindhoven, [2-23-2020](#)

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Document Change Record

<i>Date</i>	<i>Version</i>	<i>Author</i>	<i>Comments</i>
18-02-2020	0.2	Rawan Abou Dehn	<ol style="list-style-type: none"> 1. A logo of the team and team members names were added. 2. 'Team' section was added. 3. In the 'Client' section was changed to include only the company's name and the contact person. 4. More information was added to 'Current Situation' section. 5. More explanation about each problem was added to 'Problem Description' section. 6. The 'Project Goal' section was expanded with more details about the application and the website. 7. In 'Deliverables' section, users tasks were changed due to a meeting with the client. The administrator has all of the power, the manager will only be allowed to view information about employees and stock, depot worker can restock the shop and the warehouse. 8. In 'Constraints' section, programming languages were added. 9. In 'Phasing' section, in each phase dates, activities and deliverables were added.
20-02-2020	0.3	Rawan Abou Dehn	<ol style="list-style-type: none"> 1. Contact info was added to 'Client' and 'Team' sections. 2. In the 'Problem Description' section, it was explained which problems we are solving in the first six weeks. 3. More info about the project was added to 'Document purpose' section.
23-02-2020	0.4	Rawan Abou Dehn	<ol style="list-style-type: none"> 1. Team members and version number was added to front page. 2. The deployment of the database was added to 'Constraints' section 3. In 'Phasing' section, it was made clear in phase 2 that only the C# app will be developed.

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1 Introduction

1.1 Document Purpose

The purpose of this document is to define our project and describe the phasing of the project for the first six weeks.

Our client Media Bazaar would like to automate the management of their employees and stock. This entire project will take eighteen weeks.

2 Team

Our team consists of four members: Rawan Abou Dehn, Anas Ahmad, Rareș Băluțoiu and Denys Sytnyk.

Our team member Rawan Abou Dehn is the team leader and will represent our group. Anas Ahmad will be the contact person with the client and will be responsible for organizing meetings.

During the meetings Rareș Băluțoiu will be taking the minutes.

We can be reached at the following e-mail addresses:

Anas: a.anasahmad@student.fontys.nl

Rawan: r.aboudehn@student.fontys.nl

Rares: r.balutoiu@student.fontys.nl

Denys: d.sytnyk@student.fontys.nl

3 Client

The client for our project is the company Media Bazaar (daughter company of Jupiter). We will keep in touch with Kalina Petrova who will represent the company Media Bazaar. We are going to have contact with our client by sending her emails to schedule meetings in order to:

- Settle the basic requirements.
- Keep our client informed with our process.

Kalina can be reached at the following e-mail address:

k.petrova@fontys.nl

4 Current Situation

The company Media Bazaar is planning to open their very first shop in Eindhoven funded by the parent company “Jupiter”.

Media Bazaar has the following departments: HR, warehouse staff and service and they have a total of 20 employees.

They currently handle all of their employees and stock management per paper and that potentially could lead to a lot of issues.

5 Problem Description

Our client is having the following problems:

- Managing employees (add, remove employees and adjust employee details)
- Managing stock (add and remove hardware items).
- They have three work shifts (morning, afternoon and evening) and they are currently being assigned to employees using online calendars or excel sheets which is unreliable.
- Assign employees departments.

During the first six weeks we will solve the problems related to the management of employees (add, remove employees....)

6 Project Goal

The project goal is to help Media Bazaar by creating and developing a software application so that they can manage their employees and products more efficiently and assign work shifts to employees. They also would like to have a website for the employees where they can perform multiple tasks such as updating personal details, viewing their schedule, information and hourly wage and much more.

7 Deliverables

After 18 weeks, we will deliver a C# application which can be used by the administrator, manager and depot worker.

The administrator is able to:

- Administrate employees (add new employees into the system and remove employees who stopped working at the company for various reasons, being fired, quitting or retiring).
- Assign shifts to employees.
- Remove assigned shifts.
- Approve or reject proposed shifts.
- Adjust employee details (address, phone number, hourly wage).
- View employees schedule.
- View stock of hardware items.
- Add, remove hardware items and update hardware items details(price).
- Restock the shop by sending a request to depot workers.
- View statistics
 - Employees related:
When does the employee work, in what kind of shifts and how often does he come to work.
 - Products related:
The most bought products.

The manager is able to:

- View employees.
- Search for an employee.
- View employees schedule.

- View stock of hardware items.
- View statistics
 - Employees related:
When does the employee work, in what kind of shifts and how often does he come to work.
 - Products related:
The most popular products.

The depot worker is able to:

- See data about stock and incoming shelf restock requests.
- Restock the shop and the warehouse.

We will also deliver a PHP website which can be used by employees to view their schedule, information, hourly wage, declare their availabilities, confirm their attendance and update personal data such as address and phone number.

The relevant information about employees and stock will be stored in a database.

8 Non-Deliverables

We will not deliver the following:

- Support for our software after the end of the project.
- Security.
- Assigning the shifts for the employees automatically.

9 Constraints

We have 18 weeks to finish this project. Our application and website will be developed using C# and PHP.

During the first 6 weeks we will focus on the most important requirements of our client: a fully functional application which will keep track of employees.

The database will be deployed on the HERA server.

10 Phasing

The plan for the first 6 weeks is as following: (Add dates instead on weeks)

Phase 1:

Activities:

- Project plan
- Create User Requirement Specifications.
- Design the software application and website.

Deliverables: project plan and URS(including a design documentation).

Estimated time: from 10/02/2020 until 21/02/2020

Phase 2:

In this phase we will develop the C# administration app, with focus on the employees management.

Activities:

- Implementation of the design:
 - Administrate employees (add new employees into the system and remove employees who stopped working at the company for various reasons, being fired, quitting or retiring).
 - Assign shifts.
 - Remove assigned shifts.
 - View employees.
 - View employees schedule.
 - Adjust employee details (address, phone number).
 - View statistics related to employees

Estimated time: from 02/03/2020 until 18/03/2020

Phase 3:**Activities:**

- Test and improve the software.
- Deliver the software.

Deliverables: the test report and the first version of the C# application.

Estimated time: from 19/03/2020 until 26/03/2020