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project plan Group 6 hardware store application

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# Revision History:

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| --- | --- |
| **Date Changed** | **What was changed** |
| 10/09/2020 | Focused on addressing the comments made by Andre Postma |
|  |  |
|  |  |

# Introduction:

This is a project plan for the software development of the hardware store administration. We have been given certain challenges that a company is currently facing, and our aim is to develop a solution to make the company more efficient and the overall work environment better for the company.

# Client:

Our Client is Media Bazaar. They are a hardware store. They have stock and employees. We have been in contact with Michael Koehorst. His email address is [m.koehorst@fontys.nl](mailto:m.koehorst@fontys.nl).

# Team:

|  |  |  |  |
| --- | --- | --- | --- |
| Names | Roles | Email | Student Number |
| Georgi Dimitrov | Leader | gogbog11@gmail.com | 3996891 |
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Our team consists of various members from the software class. We will be using our knowledge of Software Development to implement a solution that will satisfy the needs of the client.

We will also be collaborating with our tutor, Andre Postma ( [a.postma@fontys.nl](mailto:a.postma@fontys.nl) ). He will be guiding us through this process and helping us where possible.

# Current Situation:

Currently there is no software solution implemented. In the current situation, the company is making use of employees to manually sort through excel spreadsheets to generate both schedules and statistics needed by the administration department.

# Problem Description:

The problems the company is facing right now is that they have no visibility into how their stock and employees’ schedules are planned. They would also like to get statistics from the employees based on the information they have. For example: hours worked, and shifts taken. The company would also like to have a way for their employees to update their information and be able to view their work schedule.

# Project Goal:

**Project goal short-term ( 6 weeks )**

Demo Application ( Focusing on the needs of the administration department alone )

**Project goal long-term ( 18 weeks )**

Our goal for the long-term project is to deliver a software solution that meets all the user’s requirements as we understand them so far. This means making a C# application that helps the administration department with scheduling of employee’s shifts as well as being able to add and remove employees from the company. This will mean incorporating a database that will store all relevant information about the employees that is deemed relevant by the company.

# Deliverables:

1. C# Application for the Administration department. This program includes functionality such as “Adding and Removing of Employees” and “Scheduling the shifts that employees work”.

This needs to be delivered to the client after the first 6 weeks.

1. C# Application for Managing Department. This program will be focused at providing the management with statistics based on employees’ data and performance within the company.

This needs to be delivered to the client after 18 weeks.

( This date is subject to change )

1. A website that will be accessible by the employees to check the schedules and update their personal information that is required to be up to date by the company.

This needs to be delivered to the client after 18 weeks.

( This date is subject to change )

1. A database that is linked to the above-mentioned C# program/s and the website. This database will be able to be uploaded to and downloaded from.

This needs to be delivered to the client after the first 6 weeks.

# Timetable for Deliverables:

|  |  |  |  |
| --- | --- | --- | --- |
| Week # | Deliverables | From | To |
| Week 1 | Project Plan, GIT and the whole project setup. | 31/08/2020 | 05/09/2020 |
| Week 2 | GUI setup, Database setup,  Wireframes for each page, GRUD for Departments  URS | 06/09/2020 | 12/09/2020 |
| Week 3 | CRUD and GUI for Employees and login functionality for the app. | 13/09/2020 | 19/09/2020 |
| Week 4 | CRUD for Products and GUI for the needed functionalities. | 20/09/2020 | 26/09/2020 |
| Week 5 | CRUD and GUI for schedules | 27/09/2020 | 03/10/2020 |
| Week 6 | Finalizing the product | 04/10/2020 | 20/10/2020 |

# Non-deliverables:

There are none. This will be updated if such an occurrence is to arise.

# Constraints:

1. Scope - The scope of the project is to deliver the needed products from the client and do as much as we can to optimize his working flow. The main things are employee and product management which is going to help to keep statistics and make schedules.
2. Time Management - Time is the biggest factor when undertaking a project. If it is not managed correctly, we will be forced to present incomplete work or low-quality work to the client which is undesirable. For this reason, it is important to keep to our schedules and work diligently.
3. Communication – Our group is made up of people from different backgrounds and cultures. This means we all have different ideas and ways of working. It is important for us to communicated clearly and efficiently to ensure we produce the best possible product for our client.