

1. Introduction

very good intro!

A great company can become the number one on the market only through a very precise management of their resources. In order to do this, ~~you~~ must use the latest technologies and as the recent years have proven, computers, along with the internet, are the best choice regarding this topic.

A Software Application, along side with a database, can significantly improve the management system of both employees and stock. The data can be used to see statistics of employees, showing efficiency, and having an easier process of seeing who is at work during their work shifts. Regarding stock, such a product does not only show data related to statistics but can also improve communication between different departments. For example, the application can make automatic stock requests whenever the store is running out of specific products.
very good additions, add cross-reference to link them to the right page where they are described

Websites are a powerful tool in the modern days. They require no specific *operating system* [1] and therefore can be accessed via many platforms, from personal computers to smartphones. Moreover, due to smartphones becoming more and more intelligent as well as accessible, websites are one of the fastest and easiest ways to provide people with information.

During the second iteration of the project, the client was in need of such a website that could be easily handled by employees. Media Bazaar has multiple working buildings, from the store where products are being sold to the warehouse which stores these. Managing such a complex company is no easy task, as a result, a website would provide Media Bazaar with better managing of their employees.

~~Improvement is always appreciated.~~ **Software Applications** need to be as efficient as possible as well as maintainable and extensible. The Software Application has gone through a full *refactoring* [2] process, improving code structure, and making it more adaptable to future changes or new features. Moreover, the previous *bugs* [3] that were present in the first iteration of the project, have now been fixed, therefore making it for a better product.

who is the client? introduce first the client a little bit: "Media Bazar is an emerging hardware company that has opened its first store in Eindhoven. They are in need of a ..."

Move here the section description from the summary

2. Problem Description

~~2.1 Iteration 1~~

Media Bazaar needed a well-defined solution for managing the whole company before opening. Their request were as follows:

- Employee Management
- Stock Management
- Efficient Communication between facilities

In order to accomplish these tasks, a **Software Application** connected to a database seemed to be the most efficient. This product would be accessible by employees of different ranks in Media Bazaar and could easily manage not only stock, but also new employees, schedule, and stock requests. This solution would improve a manual process by over 100%, maximizing efficiency and profits.

~~2.2 Iteration 2~~

The client needed a functional solution for managing employees. The task given was to securely have a system that could manage information related to each of the company's employees. In this case, a website seemed like the most optimal solution, taking into consideration the ease of use, accessibility, and many other factors.

Media Bazaar required this software solution to provide its employees with a system throughout they could see their personal information, that are present in the company's databases, modify their email and password and check their schedule.

This product would lead to a more efficient management of the whole company. Managers would require less information about each employee on creation of their account, as every individual would have the ability to change their password and email, every new employee would get a pre-set email and a randomly generated password. Moreover, employees do not need any other source to find their schedule, as this feature is present on the website, accessible at any time.

this is the approach, move to the approach chapter