



Solution for Media Bazaar

Project Plan

INTRODUCTION – CLIENT

The project is about finding a solution for all of the problems that the employees of our client company face during their working process. Our client is a company called Media Bazaar.

In the project plan you can find explanations about the problems our team needs to solve, planning, the deliverables and a risk assessment.

The team conducted several interviews with representatives of the client company, so most information is based on those interviews. Below you can find how we see the correct solution and what we are going to do for the next couple of weeks.

OUR TEAM

- Draganova, Denitsa – Developer
- Petkov, Mario – Developer
- Garkov, Aleksandar – Developer
- Nikolov, Grigoriy – Developer

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CURRENT SITUATION

The company Media Bazaar (daughter company of Jupiter) is planning to open their very first shop in Eindhoven. Because the administration is the backbone that manages all aspects of the company, management would like to hire a team of Software developers to

implement an administrative system. The management of Media Bazaar is facing difficulties in managing employees and products

PROBLEM DEFINITION

BACKGROUND

According to the interviews that were conducted with the representatives of the client, the problems are throughout the whole working process of the company and all employees face it. It occurs when it comes to management both employees and stock, although the common employees also face some problems.

PROBLEMS

- KEEP TRACK ON EMPLOYEES

For every big company it is a problem to keep track on the employees and on the stock. Media Bazaar is not an exception. The system of Media Bazaar is self-contained however, the experience of Jupiter is that they are facing big difficulties when trying to manage employees and stock. Having lists of data (employees, stock) on paper or on some other digital platforms for mass-usage (such as Excel) is not efficient and not reliable. Administration workers always need to add employee data manually, sometimes they might make mistakes and delete a lot of data just because they pressed the wrong button or something like that. Employees always need to walk to the terminals to declare about a change in the stock, which can be simplified significantly.

- STOCK ARRANGEMENT

The management of stock is complicated right now, the floor managers and the management team can't see much statistics about stock right now, so they want to see more data about the stock. They don't know what products are selling well and which are not.

- PROBLEMATIC SCHEDULER

Employees themselves also have problems with their schedule, the company tried to use other schedule managers such as Excel sheets, but they believe they are unreliable. The biggest problem is when people put wrong days or months, etc. Another big problem is that merging all the data about the schedule is almost impossible. When people put data into those online calendars, they have to manually write names, they can't choose from a list of employees which increases the probability of making mistakes.

RELEVANCE

The problem is very important because it significantly reduces the effectiveness of the working process, which means the company loses money because of these problems.

Mistakes related to the stock or the work scheduling, for example, an employee doesn't come to work because they understood the schedule incorrectly, may be critical for such a business. The representatives of the company clearly stated for us that these problems must be solved as they are affecting the company in a very negative way.

OBJECTIVES

The main objective here is to make the workflow in the company much simpler. The team must make a desktop application and a website for the client. The project aims to create an administrative system that helps Media Bazaar manage employees and products effectively. The system should allow the administration to view and assign work shifts to employees, and view the shifts per person and store. The administration should be able to add/remove employees. The application should simplify the stock management by a lot, provide data of the most sold stocks and more statistics, allow employees to manage the stock and make re-shelf requests. Overall, the time for a worker to complete a task and the chance to make mistakes during this time have to be reduced.

PROJECT GOAL

The goal of the project is to provide a software solution for the problems of Media Bazaar. The project will provide tools to manage employees and stock and have more statistics about them, shift scheduler for the workers and many other things. Overall, it will improve the efficiency of the working process at the company.

DELIVERABLES

- Employee and stock management tools
- Prototype
- Database
- Account creation
- Adding & removing employees
- Different security levels
- Work shift scheduler
- Authorization system

CONSTRAINTS & RISK ASSESSMENT

Potential risks	Probability of occurrence	Potential impact on the workflow	Actions to prevent such risks
Inaccurate estimates	Low Medium High	In terms of time management and assignment planning, the probability of setbacks does really exist. The problem can occur especially when there is a lack of good organization and communication.	Not knowing ourselves or each other is the main reason for this problem. If we are sincere, exchange ideas and ask for help, it becomes easy to overcome.
Under-communication	Low Medium High	Good communication is absolutely crucial for group projects, because all the group members can exchange information, ideas, report progress and mistakes. That's why it's absence will lead to a negative impact on the progress.	This can be easily avoided by always staying in touch and communicating every problem we encounter, be it personal or professional.
Low team motivation	Low Medium High	When team members have no motivation, they will do the bare minimum. A team member with no motivation is content to let the others take the bulk of the work and becomes easily distracted by non-work activities, such as talking on the phone or surfing the internet.	Meeting each other in real life and discussing problems is the best way to keep the members motivated. Also, when someone does something extra, with a big impact for the project, they should be recognized for it. This gives the feeling of usefulness, which will make the person strive for more and work harder.
Executive support disregarding project meetings	Low Medium High	Without any assessment or feedback on the project from the teachers, we won't know if we are on the right track regardless of our efforts. We might fail to provide a good solution simply because we weren't conducted in the right direction.	We make weekly team meetings with the teachers to show them our progress and ask for constant feedback.

Much space for interpretation	Low Medium High	Since we have little information on the subject, we have room for interpretations and we might get lost in the process and not follow the main path. Since we are really creative we want to implement many features we consider interesting and in the end it might not be the solution we were asked to provide.	We need to devise what is mandatory to implement and think from both the tenant's and the supervisor's perspective in order to come up with a good design.
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The project must be done in 6 weeks. There are no possibilities for extending the overall project deadline.

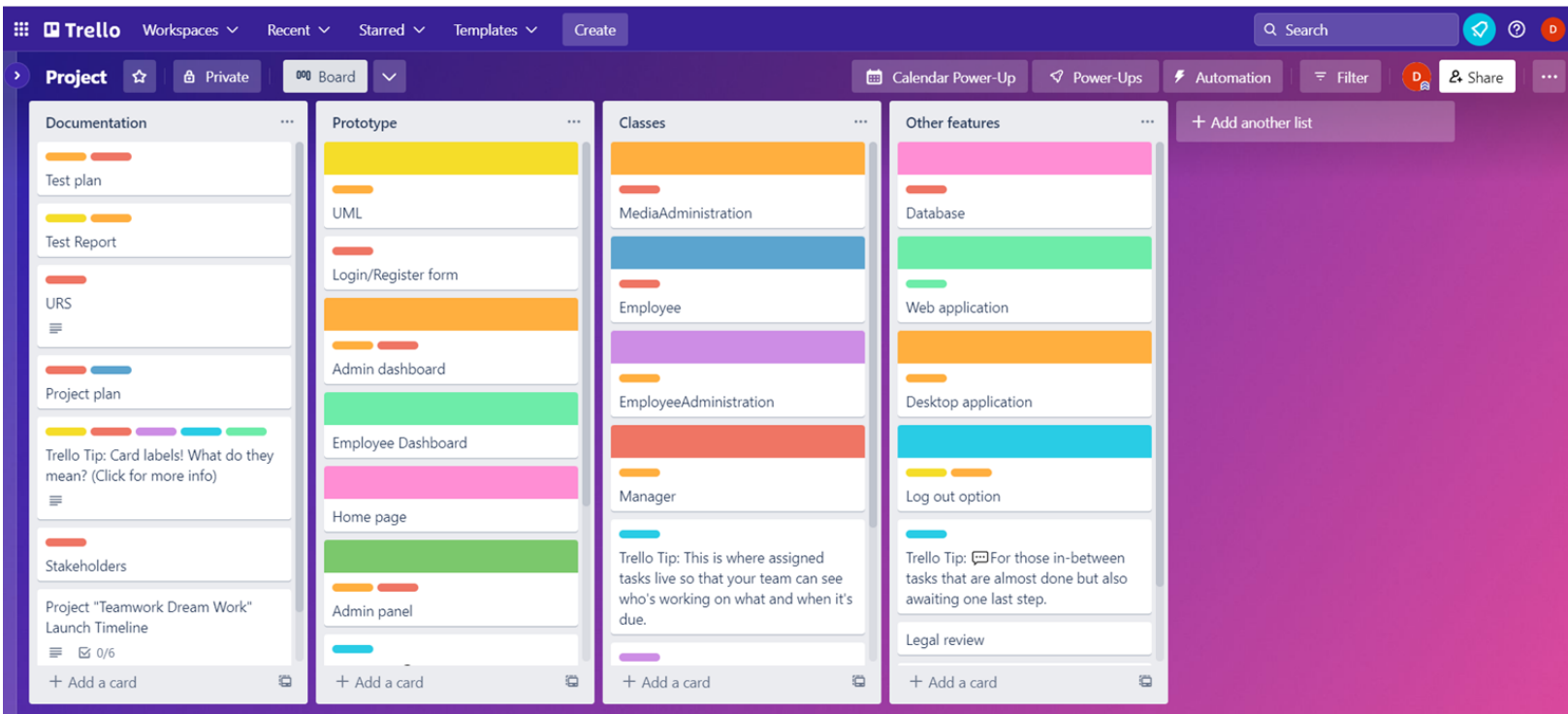
We have only 4 people in our software team. We cannot add more engineers into our team.

COMMUNICATION METHODS

- **Trello** - We assign tasks for each member in Trello and we decide how long it takes to complete said tasks. We expect that each member will do their work in the designated timeframe and we expect professionalism and hard-work in order to finish the best version of our project on time.
- **GitLab** – It's the workspace we'll use in order to send the work to different devices and work on the same code. This way, we can efficiently add new functions to the same program and see which part was done by which member. It will help us coordinate and figure out what parts are missing and improve the final product.
- **Discord** – When we want to implement things together and properly discuss about the project, we use discord, because it's the easiest way to share your screen, send materials and ask for feedback.

PHASING

MEDIA BAZAAR



MILESTONES

- First Microsoft Forms prototype with employee and stock management tools using a database - 04.03.2023
- Improved version with authorization system 10.03.2023
- Application will be updated to have statistics on stock and a shift scheduler for employees – 16.03.2023
- Final version with nice UI/UX design – 20.03.2023

