Group Name: Artichoke

Project Plan: Waterfall

Members:

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Introduction

The company Media Bazaar is a hardware retail company that is planning to open a shop in Eindhoven. The company is wanting to avoid management problems in keeping track of their product and employees. The purpose of this document is to present the problems that have been identified by the Artichoke team of developers and the solutions that will be created to address them.

Client

Our client is Rafayel Avetyan. Our client represents Media Bazaar, a daughter company of Jupiter who is planning to open their first shop in Eindhoven to sell hardware.

Team

- Our team consists of:
    - David La Gordt Dillie - SQL specialist
    - Sebastian - Back-End developer
    - Mary Joseph - Back end/Front End developer
- The representative for our group is Sebastian.
- Our group representative can be contacted at s.bokkestijngrandez@student.fontys.nl

Current situation

Currently at Media Bazaar they have a very unreliable system which consists of excel sheets and online calendars for employee scheduling. Due to a detail oriented documentation system, it is difficult to have a simplistic method to schedule the employees and no easy way to request an action from the different departments within the store.

Further,the company has communication issues between its different departments ,due to lack of reliable communication channel.This has resulted in sustainability problems in restocking.

Problem description

In this project, Artichoke Developers,are looking into problems that a Media Bazaar company is facing.The company owns different shops that deal with selling hardware.The latest of its outlets is scheduled to be opened in EIndhoven.

However, Media Bazaar has foreseen a big challenge in the operations of its new outlet. The company has no proper way of scheduling employees and for employees to see their own timetables. The client also does not have a simple way of communicating restock requests between departments.

Moreover, another problem at hand is the lack of a proper communication channel between its different departments.

These problems therefore provide us with an opportunity to provide a software solution that can help the company fix all these problems.

Project goal

- The team will deliver additional functionalities to the clients request
- Every week a functionality of the project will be delivered and/or updated
- The Artichoke team has the necessary front end and back-end knowledge develop the application
- The goal is reachable within the software company's time and resource
- By the end of the final iteration the team would have delivered a solution to the client Media Bazaar

Deliverables

- C# Desktop application
- UML Diagram
- URS
- Web site

Non-deliverables

- User manual
- User training
- Mobile Application

Constraints:

- The language to develop the backend of the application will be c#.
- The time limit for the iterations is 4 iterations of 3 weeks

Phasing

Having understood the background of the client problem and the possible solution we can offer,

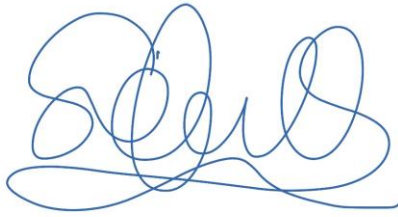We have laid out a 12 week plan, divided in phases as shown below.

Figure 1: Phases for the project

Activities	Iteration 1			Iteration 2			Iteration 3			Iteration 4		
	Week 7	Week 8	Week9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15	Week 16	Week 17	Week 18
Connect Database To Webapp												
Web application Login	(Go)				Refactored the code to be more objective oriented							
See schedule per Week	(Not delivered)											
Graphs	(Go)	(Go)					Align axis and numbers					
User Confirmation Email-Desktop				(Go)	(Go)			using database Connection helper				
Change Password-Desktop				(Go)	(Go)							
BackUp data into text file				(Not Go)								
User change own data					(Go)							
User leave				(Not delivered)								
GUI Modification				Adding signout buttons				Datagrid alignment				
UML update								(Go)				
Password Hasing Web App							(Go)					
Update Documentation									(Go)			
Make Pdf							(Go)	Give user the ability to decide where to download				
View certain Database columns							(Go)					
Auto Scheduling							(Go)	Changing the preferences of manager to make autoscheduling				
Password Hasing Desktop App												
Desktop and Web app validation										Checking if every user input has form validation		
New User password change												
Update Database				adding columns					Deleting useless data			

Legend	
Go	(green)
Not Go	(red)
Not delivered	(orange)
Modification	(blue)

Signature

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Client signature

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Artichoke Representative signature