Semester 2 Media Bazaar Project

S2-S-CB-05, Group 4

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Software Engineering  
Project Plan

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# Client

The client our team is getting feedback, requirements and requests for the project from is Ms. Qin Zhao, the representative for the company Media Bazaar. Ms. Qin Zhao is the only member of Media Bazaar that is in charge of finding a software solution for managing employees and products of the company. Media Bazaar is a small startup hardware store in Eindhoven that currently has around 50 employees and is looking to scale up to a 100 employees soon.

Contact Ms. Qin Zhao at: [q.zhao@fontys.nl](mailto:q.zhao@fontys.nl)

# Team

The members of our team are: Nitu Ana, Onea Bianca, Cetinic Franulovic Ante and Barbaro Vid. Our team representative is Nitu Ana, she is the person that talks to the client mainly and represents all the features and ideas the team came up with.

Contact Nitu Ana at: 457646@student.fontys.nl

# Current situation

Our team is creating this software from scratch for a small startup company called Media Bazaar. They currently don’t have an existing software to help them manage employees and stock, meaning we don’t have any existing or outdated system to upgrade or base our project.The client doesn’t have any preferences from some existing software solutions on the market, and wants a new solution that isn’t on the market yet.

The client has hired 4 other teams that are tasked with the same project so these teams are our direct competitors.

# PROBLEM DESCRIPTION

Currently the main priority and the biggest problem our client has is managing employees effectively and keeping track of their shifts and working hours, alongside that the clients priority is to be able to promote the employees as well as change their salaries.

The second issue is managing and keeping track of the products meaning that the employees need to be able to request new product shipments from the warehouse when there are low supplies on certain products in the store. There should as well be a search feature for products so browsing by category in the application is going to be more effective.

# project goal

The goal of the project is to make a software application which will keep track of employees and be able to assign employees into 3 shifts, keep track of their pay per hour and work hours. There will be a possibility to select a worker and see all of his/hers assigned shifts. It will be possible to add and remove employees and split them by the department they work in. On top of that the software will keep track of the stock and it will be possible for depot workers to communicate that certain product is out of stock. We are not targeting a certain age group for the users because inside Media Bazaar there are employees of all ages. The main goal we will try to achieve is to make our application easy to use but at the same time cover all the features the client wanted and more.

# DELIVERABLES

For the first 6 weeks we are going to be delivering a solution for managing employees and products of the hardware store Media Bazaar, and make that solution scalable for future improvements and additions. We will also deliver this project plan and a user requirement specification document.

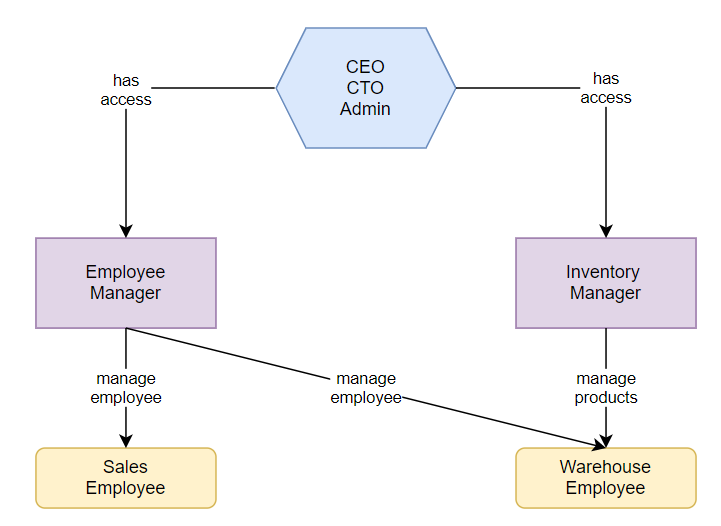
# Description of the users in the Project

Media Bazaar requires a software project for managing employees and products and they contacted us, Ctrl Software Solutions, to build it.

After having the talk with our client, we were able to came up with the main structure of the software project for managing the Media Bazaar hardware store.

The first step was to identify and clarify the main users of the application and the accessibility. We have 3 ranks: the director(s), managers and workers.

* CEO / CTO / Admin is the user that has access to every feature and can view and modify both employees’ database and products database.
* The managers are divided in two: Employee Manager and Inventory Manager. The Employee Manager has to fulfill every task concerning the sales workers and the warehouse workers. He has access to the employees’ database that contains essential information about the employees (id, name, phone, address, email, hourly wage, hours worked etc.). On the other hand, the Inventory Manager is responsible with the stocks, products, warehouse employees. He has direct contact with the distributors and is in charge of making orders, research on new products and decide on whether the company should keep selling them or not.
* Both sales workers and warehouse have less accessibility on the application. They can view their profile, send requests for holidays or sick days, see their productivity statistics. The only difference between the two types of employees is that the warehouse can make requests or remarks to the inventory managers for certain products.



# Timetable 1.0 PROJECT

# Timetable 2.0 WORKLOAD

# f the users in the

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Ana | Bianca | Vid | Ante | Deliverable | Feedback | Improvements |
| **Week 1** | Questions for the client  First version of the stakeholders scheme | Questions for the client  Create logo and group name | Description based on the meeting with the client | Description based on the meeting with the client | Create a name and logo for the group  Interview client  Create and hand in project plan | Based on the client meeting: main requierements, rough idea of the software solution | Improvement on the description and project plan  New ideas |
| **Week 2** | Description of the stakeholders in the project, scheme stakeholders  Wireframe managers view | Current situation, Project Goal  Wireframe Home page  Design features | Client, Problem description  Wireframe admin features | Deliverables,  Team  Wireframe sales workers and warehouse workers  Wireframe profile page | Improve roject plan  Create URS  Wireframe | Improve certain paragraphs from the project plan, more detailed, formal | \**update week 2* |
| **Week 3** | URS: Title page, Functional requirements  Implement managers view | URS: Use cases, Functional requirements  Implement home page | URS: GUI, Agreements with client, Table of content  Implement admin features | URS: Agreements with client, Title page  Implement profile page for sales workers and warehouse workers | Improve URS based on feedback from tutor  Implement software solution | *\*update week 3* | *\*update week 3* |
| **Week 4** | Improve and continue implementing managers view  Collaborate with the other team members to make the implementation correct and functional | Improve and continue implementing home page  Collaborate with the other team members to make the implementation correct and functional | Improve and continue implementing admin features  Collaborate with the other team members to make the implementation correct and functional | Improve and continue implementing profile page for workers  Collaborate with the other team members to make the implementation correct and functional | Implement software solution | *\*update week 4* | *\*update week 4* |
| **Week 5** | Continue implementing, improving the code and collaborating with eachother  Create test report  Review peers | Continue implementing, improving the code and collaborating with eachother  Create test plan  Send test plan to peers | Continue implementing, improving the code and collaborating with eachother  Create test report  Review peers | Continue implementing, improving the code and collaborating with eachother  Create test plan  Send test plan to peers | Implement software solution  Create test plan  Send test plan and binaries to peers  Review peers and create test report | *\*update week 5* | *\*update week 5* |
| **Week 6** | Finish additional features for the admin version of the software  Improve the design of the main page | Improve main features and the design of the pages  Work on the presentation for the first version of the app | Finish additional features for the admin version of the software  Work on the presentation for the first version of the app | Review code and improve features for the managers and workers version  Work on the presentation for the first version of the app | Tag software as deliverable in Git Repository  Present final vesion to clients and peers | *\*update week 6* | *\*update week 6* |

# Project