

PLAN

Software solution for Media Bazaar



ICT & Software Engineering - Semester 2

Class: S2-CB-01

Group: 4

Group „BulCari“ members:

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- 2.1.1.1. Start time
- 2.1.1.2. Brainstorming ideas for solution
- 2.1.1.3. Setting up goals
- 2.1.1.4. Deliver project analysis document / plan of the project
- 2.1.1.5. Time management / Duration
- 2.1.1.6. Self-check / Check the status of the group's work process

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- 2.1.2.1. Working on user requirements specifications
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- 2.1.2.3. Time management / Duration
- 2.1.2.4. Self-check / Check the status of the group's work process

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- 2.1.3.1. Finishing tasks from the past week(s) (if any)
- 2.1.3.2. Assigning new tasks to the group members
- 2.1.3.3. Deliver and present the work done / Check the group progress
- 2.1.3.4. Time management / Duration
- 2.1.3.5. Self-check / Check the status of the group's work process

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- 2.1.4.1. Finishing tasks from the past week(s) (if any)
- 2.1.4.2. Assigning new tasks to the group members
- 2.1.4.3. Time management / Duration
- 2.1.4.4. Self-check / Check the status of the group's work process

2.1.5. Tasks for week five

- 2.1.5.1. Finishing up the whole project / finishing tasks from the past week(s) (if any)
- 2.1.5.2. Finishing up the report document
- 2.1.5.3. Test plan / User testing
- 2.1.5.4. Time management / Duration
- 2.1.5.5. Self-check / Check the status of the group's work process

2.1.6. Tasks for week six

- 2.1.6.1. End of the first work period.
- 2.1.6.2. Evaluation of the work done.
- 2.1.6.3. Self-evaluation / Goal check / Self-check / Time management

Introduction to the problem / assignment

1. Client

Our client is Michiel Koehorst who represents the company MediaBazaar (daughter company of Jupiter), which is a hardware shop that is going to open its first shop in Eindhoven. We are going to have three meetings with the client, in which he is going to present what their company needs and give us feedback on what we have done. If needed we can contact the client via email (m.koehorst@fontys.nl).

2. Team

Our team's name is BulCari and we are a team of four people (Tony Jiang, Stoycho Stoychev, Veronika Valeva and Stela Trencheva). Our team consists of one Caribbean and three Bulgarians. Although there is not a large range of nationalities, we are ready to share not only coding experience but also personal and cultural skills. The leader of the team is going to be Stoycho, who is going to talk with the tutor every Monday and Friday. Everyone can contact him via email (stoycho.stoychev@student.fontys.nl). He is also going to make an agenda with all the things that we need to discuss during every meeting. Tony is going to be the one to represent our team in the meetings with the client. Stela is going to track all the decisions that we make with the tutor during each meeting.

3. Current situation

We are going to build a brand new application and there is no existing system to build on, that is why we have to clearly understand what exactly the client needs from us. However, the fact that we have only three meetings and not much detailed information can lead to different level of delivery between the client and the group.

As far as we know there are competitors working on the same project, which is one of the reasons to strive for building an application that will best serves the needs of the client. Considering the current situation of Covid-19, we cannot meet with each other physically and the fact that the people in the group have not worked together before might be challenging because it can lead to project team misunderstands.

4. Problem description

The biggest challenge that Media Bazaar's management foresees is managing and keeping track of their employees and products. They also have difficulties assigning shifts to employees and viewing them for the whole store and per person.

5. Project goal

The project goal is to help Media Bazaar create an efficient way for their employees to add / remove employees, keep track of the attendance of employees, assign work shifts, manage depot, see shelf restock requests and view statistics, using IT solutions! In the planning, you can find all the deliverables required for the successful software solution.

6. Deliverables

Windows Form Application with a user interface design

7. Non-deliverables

8. Constraints

This project will be a Windows Form Application and the programming language used for it will be C#. GitLab will be used for sharing code between team members. It is not needed to buy or get external sources to run this project.

Phasing

- The project will be divided in 3 phases.

Phase 1: First version of the application

Milestone 1: Week 6

Deliverables:

Week One

Work for the week:

Activity name:	Forming a group/Project plan	Delivery date:	12.02.2021(Friday)
Input:	N/A		
Budget:	16/h per person		
Activities:			
<ul style="list-style-type: none">○ Create a group of four people.○ Make a repository.○ Come up with questions for the client.○ Interview the client.○ Make a project plan.○ Assign group members with different responsibilities.○ Make a project report document.			
Responsibility:			
<ul style="list-style-type: none">○ Stoycho – Create a git repository. Write the agenda before every meeting.○ Tony – Speak with the client○ Stela – Work on the project plan. Write decisions after every meeting.○ Veronika – Start the report documentation. Work on the project plan.			
Output:	PRJ-CB01 – Group 4 Git repository - https://git.fhict.nl/I467491/s-cb-s2-cmk-group-4.git Project plan Report Group name and logo		

- Self-check at the end of the week – Check the work done / Check the unfinished processes

Week Two

Work for the week:

Activity name:	URS	Delivery date:	26.02.2021(Friday)
Input:	Project plan/'Tutor feedback Client's requirements		
Budget:	16/h per person		
Activities:			
<ul style="list-style-type: none">○ Improve the project plan. (if needed)○ Create sketches and wireframes for the application.○ Create a logo for the application.○ Working on the user requirements specifications.			
Responsibility:			
<ul style="list-style-type: none">○ Stoycho – Start with UML diagram○ Tony – Working on the user requirements specifications○ Stela – Come up with a logo. Work on wireframe.○ Veronika – Work on sketches.			
Output:	Sketches Wireframe Project logo		

- Self-check at the end of the week – Check the work done / Check the unfinished processes

Week Three

Work for the week:

Activity name:	Implementation	Delivery date:	05.03.2021(Friday)
Input:	Tutor feedback Sketches Wireframe Project logo Tutor feedback.		
Budget:	16/h per person		
Activities:			
<ul style="list-style-type: none">○ Create a log in page.○ Create a profile pages for every kind of user.○ Create a page for assigning shifts to employees. (administration)○ Create a page for managing employee profiles. (administration)			
Responsibility:			
<ul style="list-style-type: none">○ Stoycho – Create a log in page○ Tony – Create a profile pages for every kind of user.○ Stela – Create a page for assigning shifts to employees. (administration)○ Veronika – Create a page for managing employee profiles. (administration)			
Output:	Log in page Profile pages Page for assigning shifts Page for managing profiles.		

- Self-check at the end of the week – Check the work done / Check the unfinished processes.

Week Four

Work for the week:

Activity name:	Implementation	Delivery date:	12.03.2021(Friday)
Input:	Log in page Profile pages Page for assigning shifts Page for managing profiles. Tutor feedback.		
Budget:	16/h per person		
Activities:			
<ul style="list-style-type: none">○ Create a page for stock statistics. (management)○ Create a page for employee statistics. (management)○ Create a page for restock requests. (depot-workers)○ Create a page for stock data. (depot-workers)			
Responsibility:			
<ul style="list-style-type: none">○ Stoycho – Create a page for stock data. (depot-workers)○ Tony – Create a page for employee statistics. (management)○ Stela – Create a page for restock requests. (depot-workers)○ Veronika – Create a page for stock statistics. (management)			
Output:	Page for stock statistics Page for employee statistics Page for restock requests Page for stock data.		

- Self-check at the end of the week – Check the work done / Check the unfinished processes.

Week Five

Work for the week:

Activity name:	Testing/Implementation	Delivery date:	19.03.2021(Friday)
Input:	Page for stock statistics Page for employee statistics Page for restock requests Page for stock data. Tutor feedback.		
Budget:	16/h per person		
Activities:			
<ul style="list-style-type: none">○ Create a test plan.○ Send test plan to peers.○ Create a report with the results from the user testing.○ Work on any unfinished work from past weeks concerning the implementation of the code. (if any)			
Responsibility:			
<ul style="list-style-type: none">○ Stoycho – Work on any unfinished work from past weeks concerning the implementation of the code. (if any)○ Tony – Send test plan to peers○ Stela – Create a test plan.○ Veronika – Create a report with the results from the user testing.			
Output:	Test plan User testing / Report		

- Self-check at the end of the week – Check the work done / Check the unfinished processes.

Week Six

Work for the week:

Activity name:	Software presentation	Delivery date:	26.03.2021(Friday)
Input:	User testing / Report Initial version of the application – finished Report documentation Tutor feedback.		
Budget:	16/h per person		
Activities:			
<ul style="list-style-type: none">○ Create a presentation.○ Finish the report documentation.○ Present the final version of the application.			
Responsibility:			
<ul style="list-style-type: none">○ Stoycho – Present the final version of the application.○ Tony – Present the final version of the application.○ Stela – Create a presentation.○ Veronika – Finish the report documentation			
Output:			

- Self-check at the end of the week – Check the work done / Check the unfinished processes.

Phase 2: Second version of the application

Milestone 1: Week 12

Deliverables:

Phase 3: Final version of the application

Milestone 1: Week 18

Deliverables: