

PLAN

Software solution for Media Bazaar



ICT & Software Engineering - Semester 2

Class: S2-CB-01

Group: 4

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Date: February/March 2021

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2. Phasing

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2.1.1. Tasks for week one

- 2.1.1.1. Start time
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- 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

2.1.2. Tasks for week two

- 2.1.2.1. Working on user requirements specifications
- 2.1.2.2. Assigning different tasks to the group members
- 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
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- 2.1.4.4. Self-check / Check the status of the group's work process

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- 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

The 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. Three meetings with the client are going to be conducted, in which he is going to present what their company needs and give the team feedback on what have been done. If needed, the client is accessible via email (m.koehorst@fontys.nl).

2. Team

The name of the team is BulCari and it consists 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, team members are ready to share not only coding experience but also personal and cultural skills. The team can be accessed via email (bulcari@gmail.com).

3. Current situation

A new hardware store “Media Bazaar” is opening their first shop in Eindhoven. Funded by the parent company “Jupiter”, they intend to start as well prepared as possible. They have been facing problems with managing and tracking employees and stock and their priority is on these points, but employees’ administration is even more important. These problems are due to the fact that they are doing everything manually at the moment. They are using online calendars and excel sheets, but they found them too detailed and unreliable. That is why they need a team of software developers to build a brand new application for them.

There are competitors working on similar solution and after the first phase of the project (week 6) the client is going to decide if the team is going to continue working on it. That is why the team should strive for delivering a solution that best suits the need of the client.

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

In the first 6 weeks of the project, the team will deliver:

- Windows Form Application
- Documents describing it and the process of creation (Project plan, URS, Report)
- Functionalities such as:
 - Login
 - User information and edit profile
 - Managing employees (adding / removing employees)
 - Assigning shifts to employees
 - Statistics about employees
 - Searching for individuals

7. Constraints

- Windows Form Application
- Programming language - C#
- Sharing code between team members – Gitlab
- Not needed to buy or get external sources to run the project
- Important deadlines for the project –
 - Week 6
 - Week 12
 - Week 18
- Number of meetings with the tutor - two each week, which leads to limited feedback times
- Number of meetings with the client - only three for the whole project
- Not much detailed information provided - can lead to not delivering the software that best satisfies the needs of the client.

Phasing

Phase 1: First version of the application

Milestone 1: Week 6

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, URS○ Tony – URS○ Stela – Come up with a logo. Work on wireframe. URS○ Veronika – Work on sketches. URS			
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">○ UML diagram○ Create a log in functionality.○ Create a profile pages for every kind of user.○ Implement classes and create objects (HR admin, management, depot-workers, employees)			
Responsibility:			
<ul style="list-style-type: none">○ Stoycho – UML, Create a log in functionality.○ Tony – UML, Create a profile pages for every kind of user.○ Stela – UML, Implement classes and create objects (HR admin, management, depot-workers, employees)○ Veronika – UML, Implement classes and create objects (HR admin, management, depot-workers, employees)			
Output:	UML diagram Log in Profile pages Implemented classes and objects (HR admin, management, depot-workers, employees)		

- 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 Profile pages Implemented classes and objects (HR admin, management, depot-workers, employees) Tutor feedback.		
Budget:	16/h per person		
Activities:			
<ul style="list-style-type: none">○ Create employee statistics. (management)○ Create the functionality of assigning shifts to employees. (administration)○ Create the pages for managing employee profiles.(adding / removing) (administration)			
Responsibility:			
<ul style="list-style-type: none">○ Stoycho - Create the functionality of assigning shifts to employees. (administration)○ Tony – Create employee statistics. (management)○ Stela – Create the functionality of assigning shifts to employees. (administration)○ Veronika – Create the pages for managing employee profiles.(adding / removing) (administration)			
Output:	Employee statistics Functionality of assigning shifts to employees Pages for managing employee profiles		

- 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:	Stock statistics Employee statistics Functionality of assigning shifts to employees Pages for managing employee profiles 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.