Fontys University of Applied Sciences

Project Analyses Document

Students:

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Project background:

Student Housing BV helps students to find place to stay in during their studies in the Netherlands. Student Housing BV own different buildings that contain rooms, which could be rented by the students. There are some facilities that are shared within the building such as toilets, bathroom, kitchen, hallway, storage space, etc. However, there are some problems that the Student Housing BV is facing, which will be explained later in the Problem definition.

Problem definition:

Student Housing BV needs a help with avoiding the problems in their Student Housing. Currently, they are receiving a lot of complains like:

- Appointed persons not cleaning the shared facilities.
- Groceries are not done or paid for shared items such as toilet paper, dish soap, etc.
- Garbage disposal is not done on time
- Unannounced parties, gatherings, etc.

Thus, the Student Housing BV wants to offer their clients (Students) a software solution to better arrange day-to-day situation and hopefully this will reduce the amount of issues that they are facing.

Project goal:

The project goal is to help Student Housing BV to create a more efficient operation, which helps them to get less complains, using IT solutions.
In the planning you can find all the deliverables required for the successful software solution for the Student Housing BV.

Expected result:

For this project we are collecting all the information that we have learned through the first two blocks. Combining all the information that we have learned will complete the deliverables for this project.

Project Deliverables:

- Network connection between two applications “IE”.
- User interface design “ED”.
- Collecting data and store it in a database “DD”.
- Get a signal when a notification is sent out from an application through Arduino “ES”.
- Two applications that are working perfectly.

Stakeholders and end users:

The people who are involved with the project in order to find a software solution is our group members.

The stakeholders will be:

- The Administration.
- The students.

The end users are:

- The administration.
- The Students.

Problems to be solved:

With our applications we will be able to solve the following problems:

For the students:

- Find out what are the tasks that each student in the Student Housing BV must do.
- Make it is possible to send the complains anonymously.
- Having the ability to view the activities that the Student Housing BV arranges, by getting an announcement.
- Having the ability to send the administrator a request in order to make some appointments.

For the administration:

- Having the ability to send notifications with the activities that the Student Housing BV has organized.
- Sending announcements with the tasks that the student must do.
- Having the ability to view the assigned tasks so far.

Functionalities:

In the end of this project we are going to deliver the following:

- Network connection between two applications.
- User interface design.
- Collecting data and store it in a database (Server).
- Two applications that are working perfectly.

- Tables contain when we did meet and what are the things that each member has done, or he/she has tried to work with.

Project's process:

The implemented functionality will be deliverable as follows:

Activity name: GIT Repository.	**Delivery date:** 03/12/2019
Input: collect the team members e-mails.	
#0	**Activities:**
We need to make a repository on GIT and to add each other to it. Also, we need to add the teacher. The reason is that we need to share our working together through GITLAB.	
Output: The students and the teacher were added to the GIT Repository.	

Activity name: Project analyses document.	**Delivery date:** 08/12/2019
Input: Read the project file and write down some information.	
#1	**Activities:**
We need to write an analysis documentation about the problems, solution for the problem and what are the deliverables in the end of the project.	
Output: Project analysis document.	

Activity name: Commit of application-interim version.	**Delivery date:** 15/12/2019
Input: The design of the application must be set, the basic and the main functions must be discussed within the group and implemented.	
#2	**Activities:**
With interim version the teacher will be able to test the applications and provide us with some ideas or feedback.	
Output: First version of our applications.	

Activity name: Commit of application-last version.	**Delivery date:** 17/01/2020
Input: We need to work on the feedback that the teacher has mentioned, improve the functionality of the applications and deliver the last version.	
#3	**Activities:**
Complete the functionality of the project.	
Output: Final version of our applications.	

Activity name: Presentation.	**Delivery date:** 17/01/2020
Input: We need to have our last version of the applications, organize slides to show in the presentation and make a short DEMO to show the functionality of our applications.	
#4	**Activities:**
Make slides and short DEMO.	
Output: Presentation.	

Activity name: Report.	**Delivery date:** 17/01/2020
Input: We need to collect all the data that we have used that helped us to achieve our last version of the application in order to write the report.	
#5	**Activities:**
We need to deliver a report that explains the methods that we have used through working on the application.	
Output: Report.	