Student Housing Project Plan

Group: 8

Class: P-CB-S-03

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# Introduction

Student Housing BV is company which owns different building where their clients (students) can rent a room for the period of their study in the Netherlands. The company’s buildings consist of individual student rooms as well as shared facilities such as kitchens, bathrooms, toilets, dining rooms, etc.

Currently, the housing agency faces problems in some of its buildings. Major part of the issues is related to shared facilities cleaning, garbage disposal, parties, gatherings, unpaid groceries, etc. There are also other minor problems that we can assume to be present in a student house with shared rooms and items.

We can assume that the main reason for these problems to exist is the fact that there is bad (or none) communication between the tenants and the housing agency.

# Project goal

The project goal is to make a software solution for easily arranging the daily schedule of housing agency, called Student Housing BV.

The main aim is to implement a solution which is going to avoid agency to receive many complaints; to remove inconvenient situations from both agency and students' sides. Our software is going to make communication between tenants and agency employees more flexible, easier, and comfortable. Every aspect of the rent period is going to be strictly organised in a quickly accessible format, so every student can qualify their stay as perfect. At the same time this software is going to help the agency employees to do their jobs in a more professional and innovative way.

# Implementation features

All implementation features planned by us are ranked on their priority level by using the ranking technique called *MoSCoW*. Based on the feature’s priority and whether the team will have enough time to implement it correctly before the deadline, it has one of the following ranks:

* **M**ust
* **S**hould
* **C**ould
* **W**ill not

Must:

* (admin) add/edit/remove tenants (with login credentials)
* (admin) add unpaid grocery items for all users
* (admin) mark that certain user has paid for item(s)
* (tenants) see to-pay list
* (admin) view complaints from (anonymous) tenants
* (tenants) make (anonymous) complaints
* (admin) view agreements between tenants
* (tenants) make/view agreements with other tenants
* (admin) make/view announcements
* (tenants) view announcements (parties, etc.)
* (admin) create/edit house rules
* (tenants) view house rules

Should:

* (admin) remove house rules
* (admin) mark complaints as ‘Done’
* (admin) add price tag to each grocery item
* (tenant) option to agree/disagree with agreements suggested by other tenants

Could:

* (admin) add more admins to manage other houses (each admin has their own tenants)
* (admin/tenant) if certain agreement is approved by most tenants, it is added to a list with all approved agreements
* (admin) home page notifications about new complaints
* (tenants) home page notifications about new announcements and unpaid groceries
* (admin/tenant) welcome message on the home page based on the currently logged user’s name and the time of the day

Will not:

* Connect the application to a database
* Host it on the web
* Have a payment system
* Have an automated password recovery

# Expected result

The fundamental result which we expect is to make the students experience during their rent awesome, providing an easy-to-work application to the agency. Also, as the students experience, we are expecting that with our software we are going to improve agency employee's way of working as well and to make the agency job more valuable. Our team hope that the software is going to be well-structured and perfect for daily usage without needing to be tech-savvy person or IT guru.

We expect that everything is going to work nice, the design is going to be easy to understand by the user and functionality are not going to be hidden so that the user should waste their time on hesitating how to proceed in a current situation.

# Way of working

The project group consists of 3 students which are responsible for arranging weekly meetings with the project tutor. Each member works on a specific individual part of the program.

Because of corona the way of working has been rearranged.

We schedule 1 meeting in person and 2-3 online meetings each week. We exchange ideas, try to come out with more rational way of work, review what we have been working on the past days and try to catch up with our weekly goal.

# Project organization

## Project leader

* Give the tutor weekly updates on the project
* Keep track of the team progress
* Work on the project

## Project members

* All team members should be responsible for the tutor meetings
* Work on the project
* If needed each member should contribute to others success rate

## Tutor

* Checking on the team progress on weekly basis and providing feedback.
* Provide feedback on deliverables submitted by the team members.

# Risk assessment

|  |  |  |
| --- | --- | --- |
| **Probability** | **Impact** | **Risk** |
| Low | High | Inability to work on the project due to Covid-19 illness. |
| Average | Low | Inability to work on the project temporarily due to technical/connection issues (since we work mainly online). |
| Average | High | Not being able to focus on working due to the upcoming holidays (or after them). |
| Low | High | Not being able to finish on time due to implementation issue which can not be resolved on time. |

# Deliverables and weekly schedule

## Deliverables

**Deliverable name:** Set a team  
**Expected delivery date:** Week 13  
**Description:** Choose team members; create GIT repository; join Canvas team group; start discussing the project.

**Deliverable name:** Project plan  
**Expected delivery date:** Week 13  
**Description:** Create a document where we analyse the project – issues, goals, weekly tasks, implementation details, scope, team structure, planning, etc.

**Deliverable name:** Interim version presentation and C# application  
**Expected delivery date:** Week 15  
**Description:** Give a presentation regarding the group project current progress 3 weeks after the start as well as submit the current version of the C# application for review by the project tutor.

**Deliverable name:** Final C# application  
**Expected delivery date:** Week 17  
**Description:** Submit the final version of the C# application for the project.

**Deliverable name:** Report  
**Expected delivery date:** Week 17  
**Description:** Submit a report for the project outcome and results.

**Deliverable name:** Presentation  
**Expected delivery date:** Week 17 & 18  
**Description:** Submit the presentation for the final version of the project and give presentation a week later (week 18).

**Deliverable name:** Minutes of meeting (MoM)  
**Expected delivery date:** Submitted on a weekly basis  
**Description:** Provide a document consisting of information (what was discussed) regarding the mandatory weekly meetings with the project tutor.

## Weekly planning

|  |  |  |  |
| --- | --- | --- | --- |
| **Week** | **Start date** | **End date** | **Activities/Tasks** |
| Week 13 | 30/11/2020 | 06/12/2020 | Project plan; Basic front-end; Add/remove tenants; Login as admin/tenant; Complaints. |
| Week 14 | 07/12/2020 | 13/12/2020 | Announcements; Agreements; Groceries. |
| Week 15 | 14/12/2020 | 20/12/2020 | House rules; Interim version presentation; Edit tenant’s profile; Start working on additional features (should & could). |
| Week 16 | 04/01/2021 | 10/01/2021 | Continue/finish with additional features. |
| Week 17 | 11/01/2021 | 17/01/2021 | Report; Documentation; Presentation. |
| Week 18 | 18/01/2021 | 24/01/2021 | Present the project. |