

P L A N

Software solution for student housing

ICT & Software Engineering - Semester 1
Class: P-CB-S01
Group: 1
Group members: Stela Trencheva – 4095200
Veronika Valeva – 4090349
Date: November/December 2020

Contents:

1. Introduction to the problem / assignment
2. Deliverables
 - 2.1. Tasks for week one
 - 2.1.1. Start time
 - 2.1.2. Brainstorming ideas for solution
 - 2.1.3. Setting up goals
 - 2.1.4. Deliver project analysis document / plan of the project
 - 2.1.5. Time management / Duration
 - 2.1.6. Self-check / Check the status of the group's work process
 - 2.2. Tasks for week two
 - 2.2.1. Start of the practical work
 - 2.2.2. Assigning different tasks to the group members
 - 2.2.3. Time management / Duration
 - 2.2.4. Self-check / Check the status of the group's work process
 - 2.3. Tasks for week three
 - 2.3.1. Finishing tasks from the past week(s) (if any)
 - 2.3.2. Assigning new tasks to the group members
 - 2.3.3. Deliver and present the work done / Check the group progress
 - 2.3.4. Time management / Duration
 - 2.3.5. Self-check / Check the status of the group's work process
 - 2.4. Tasks for week four
 - 2.4.1. Finishing tasks from the past week(s) (if any)
 - 2.4.2. Assigning new tasks to the group members
 - 2.4.3. Time management / Duration
 - 2.4.4. Self-check / Check the status of the group's work process
 - 2.5. Tasks for week five
 - 2.5.1. Finishing up the whole project / finishing tasks from the past week(s) (if any)
 - 2.5.2. Finishing up the report document
 - 2.5.3. Creating a presentation showcasing all the work done

- 2.5.4. Deliver the final project and all documentation
- 2.5.5. Time management / Duration
- 2.5.6. Self-check / Check the status of the group's work process

2.6. Tasks for week six

- 2.6.1. End time
- 2.6.2. Present the final project
- 2.6.3. Evaluation of the work done
- 2.6.4. Self-evaluation / Goal check / Self-check / Time management

Introduction to the problem / assignment

1. Project background

Student Housing BV offers accommodation to students in the Netherlands. They have different buildings with private rooms and shared facilities like kitchen, bathroom, hallway, etc.

2. Problem definition

Student Housing BV has been facing some issues with students that do not do their duties. Some students report others for not cleaning the bathrooms/toilets..., not paying the shared items (toilet paper, dish soap..), organizing parties without announcing, and many others.

3. Project goal

The project goal is to help Student Housing BV to create an efficient way for students to plan their day-to-day activities, using IT solutions!

In the planning you can find all the deliverables required for the successful software solution.

4. Expected result

We are going to make an application for the Student Housing BV clients in which they will be able to see the house rules so they can follow them. They will also see and add complaints and announcements. The duties they have to do will be visible to them and they will be able to mark when 'done', otherwise they will receive penalties. There will be a personal wallet for every student, in which they will be able to deposit money. This money will be used to pay for the shared items. Moreover, there will be a contact page with a chat with common questions that students can send to employees.

5. Way of working

The project group consist of 2 students.

Before starting, it is important to keep a few rules in mind:

- All students must participate in creating the project
- Each student must participate in the decisions that are made

Week One

Work for the week:

| | | | |
|--|--|-----------------------|--------------------|
| Activity name: | Create a group and a project plan | Delivery date: | 04/12/2020(Friday) |
| Input: | N/A | | |
| Budget: | 12/h per week | | |
| Activities: | | | |
| <p>We made a group of two and created a group on Canvas under the number 1. This group is going to work on the project for the advanced phase of semester one. We also created a group repository.</p> <p>Before starting to work on the project we made a project plan to summarize and distribute the work for each of the given weeks.</p> <p>We started writing a report - documenting all the work done throughout the weeks. Additionally, we made sketches and mock-ups of the project in mind.</p> | | | |
| Responsibility: | | | |
| <ul style="list-style-type: none">• Veronika Valeva<ul style="list-style-type: none">✓ Sketches• Stela Trencheva<ul style="list-style-type: none">✓ Mock-up | | | |
| Output: | <ul style="list-style-type: none">- Group of two- Project plan- Repository- Sketches- Mock-ups | | |

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

Week Two

Work for the week:

| | | | |
|--|---|-----------------------|--------------------|
| Activity name: | First pages for the c# application | Delivery date: | 11/12/2020(Friday) |
| Input: | <ul style="list-style-type: none">- Project plan- Sketches- Mock-ups | | |
| Budget: | 12/h per week | | |
| Activities: | | | |
| <p>Having made the examples (sketches and mock-ups) of the windows forms, now they can come to life. We start with making a log-in page. Right after the log-in page we start constructing the main menu of the application. After that we proceed with the profile page of the user (the student or the employee) and the main menu for the different accounts (student / employee account).</p> <p>Next thing is to make a form for the house rules. (For the employee accounts it would be possible to edit the house rules). The last thing for this week is to make a personal wallet for the student's account that keeps track of the students spendings.</p> | | | |
| Responsibility: | | | |
| <ul style="list-style-type: none">• Veronika Valeva<ul style="list-style-type: none">✓ Make login and registration page✓ Make a pop-up window with the house rules for students• Stela Trencheva<ul style="list-style-type: none">✓ Make student and employee profile pages, and menu✓ Make a form in the employee profile page where they can update the house rules✓ Make a wallet for every student | | | |
| Output: | <ul style="list-style-type: none">- Log-in page- Main menu- Profile pages for students and employees- Page for house rules- Students wallet | | |

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

Week Three

Work for the week:

| | | | |
|--|---|----------------|--------------------|
| Activity name: | New pages for the c# application | Delivery date: | 18/12/2020(Friday) |
| Input: | <ul style="list-style-type: none">- Log-in page- Main menu- Profile pages for students and employees- Page for house rules- Students wallet | | |
| Budget: | 12/h per week | | |
| Activities: | | | |
| <p>Having the pages from last week, now we can proceed with making new forms, expanding the main menu, and building up the whole application. This week we will create a complaint form for students to share their complaints with other users of the student housing. The next thing in our plan is to make a form showing all the student tasks and a pop-up window that appears from time to time – reminding the students of their tasks. We will create a penalty page which will be activated after the time for a task end and the task is still unfinished.</p> | | | |
| Responsibility: | | | |
| <ul style="list-style-type: none">• Veronika Valeva<ul style="list-style-type: none">✓ Make complaint filling form for every student which they can fill anonymously✓ Make a window where students can see the complaints✓ Make a pop-up window that appears from time to time to remind that the student have tasks to do• Stela Trencheva<ul style="list-style-type: none">✓ Make a page with all the tasks a student have to do and info for every task (how much time they have until they receive a penalty, how much they have to pay, etc.)✓ Make a form where students can update the tasks they have done | | | |
| Output: | <ul style="list-style-type: none">- Complaint form- Task page- Pop-up reminder for the unfinished tasks- Penalty page | | |

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

Week Four

Work for the week:

| | | | |
|---|---|----------------|--------------------|
| Activity name: | New pages for the c# application | Delivery date: | 08/01/2021(Friday) |
| Input: | <ul style="list-style-type: none">- Complaint form- Main menu- Task page- Pop-up reminder for the unfinished tasks- Penalty page | | |
| Budget: | 12/h per week | | |
| Activities: | | | |
| <p>Based on the work from past weeks, now we will build above and further expand the student housing application.</p> <p>Our first job is to create an announcement page where students and employees can announce different events like parties, building meetings and such things. We will add a very important feature – a COVID-19 information page.</p> <p>The next thing is to make a contact page with pre-defined questions – regarding the personal / individual topics.</p> <p>Lastly, we will make a page for common questions – not as specific as the pre-defined questions in the contact page.</p> | | | |
| Responsibility: | | | |
| <ul style="list-style-type: none">• Veronika Valeva<ul style="list-style-type: none">✓ Make a contact page with common questions✓ Make a contact page with common questions• Stela Trencheva<ul style="list-style-type: none">✓ Make announcement page where students/employees can publish their announcements✓ Make COVID-19 page where students can request a test and be quarantined | | | |
| Output: | <ul style="list-style-type: none">- Announcement page- COVID-19 information page- Contact page with pre-defined questions- Page with most common questions | | |

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

Week Five

Work for the week:

| | | | |
|---|---|-----------------------|--------------------|
| Activity name: | Wrap up the whole project | Delivery date: | 15/01/2021(Friday) |
| Input: | <ul style="list-style-type: none">- All pages from last weeks- Report | | |
| Budget: | 12/h per week | | |
| Activities: | | | |
| This week’s objectives are to wrap the whole project up. To finish all the task left from last week (if any). Run final test on the application. To finalize the documentation and to create a presentation showcasing all of our work. | | | |
| Responsibility: | | | |
| <ul style="list-style-type: none">• Veronika Valeva<ul style="list-style-type: none">✓ Make a contact page with common questions✓ Make a contact page with common questions• Stela Trencheva<ul style="list-style-type: none">✓ Make announcement page where students/employees can publish their announcements✓ Make COVID-19 page where students can request a test and be quarantined | | | |
| | | | |
| Output: | <ul style="list-style-type: none">- Finished working application- Project documentation- Project presentation | | |

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