

R E P O R T

Software solution for student housing

ICT & Software Engineering - Semester 1
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Group: 1
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Week One

Work for the week:

On week one we got introduced to the problem and the idea of the project itself. The first thing that we had to do was to create a team that was going to work on the project. We created a group of two and uploaded our group on canvas under number 1. (<https://fhict.instructure.com/groups/87650>) The next thing in our to do list was to create a GIT repository (<https://git.fhict.nl/l451083/p-cb-s01-1-stelatrencheva-veronikavaleva.git>) .

After we had done the administrative part our next job was to fully read and understand the problem presented to us. Before giving a start to our project we first had to make a working plan. We made a schedule, distributed the tasks to the group members, and set the deadlines for every deliverable. We made a draft of the project plan and presented it to our teacher. After the consultation, the group members gathered and came up with a better project plan. We decided that one of the group members is going to make the sketches of the pages of the “Student housing BV” application and the other group member is going to make the mock-ups.

By the end of the week (04/12/2020) we have done all the work in the project plan for week one. We are satisfied with the work we have done, and we look forward to the next week.

Week Two

Work for the week:

On week two we began to construct our C# application. The first thing we did was to create a log in page. We decided that the users (the students and the employees) are going to be able to choose their pre-defined profile with their information from a combo box. There are 10 generated students and 5 employees. The students' profiles contain a student name, age, gender, student number, bank account number and room number. The employees' accounts contain employee name, employee number, age, gender, e-mails, employee number. All this information is generated from arrays at the beginning of the program. In the log in page, we decided to put two radio buttons for the user to choose whether he/she wants to use a student account or an employee one.

The next thing we had to do was to create a profile page for the students and the employees. The profile page contains the user's information. On the left side of the application there is a menu with buttons that take you to different user controls. Other than the log in page and the users' accounts, this week we also created the house rules page – for students and employees, the complaints page – for students and employees, the wallet page – for students, the common question page – for students and a pop-up reminder for the undone tasks of the students.

The house rules page for students contains a list box showing all the rules of the building. The house rules page for the employees also has a list box showing the rules. It also has a text box and two buttons. The employee can write a rule in the text box and add it to the list of rules. The employee can also select already existing rule and remove it from the list of rules.

The complaint page for students contains a tab control with two tabs. The first one is for filling complaints and the second one is for viewing all the complaints. The user can fill out a complaint and add it to the list of complaints.

The user can choose to be anonymous with the use of a check box. The complaint page for employees contains a list box showing all the complaints.

The wallet page for students contains the name of the student, his/her bank account number, and the balance in the bank account. The information for the balance in the bank account is also pre-defined in the beginning of the program. There is also a tab control with two tabs. The first one is for viewing the transactions and the overall balance of the certain bank account. The second tab is for deposit or withdraw of money from the student's bank account. In the second tab there are two text boxes – one for inputting the amount of money and the second for describing the reason for the action. The last thing in this page are two buttons – one for withdrawing money from the bank account and the other one for depositing money.

The common questions page contains a combo box with chosen questions – regarding the details of the student's account, a rich text box showing the pre-defined answers for the questions and a button.

We also made a pop-up window to remind students of their undone tasks. At this point we still haven't done the page with the students' tasks and the reminder only shows "You haven't done your chores".

By the end of the week (11/12/2020) we have done all the work in the project plan for week two and we have covered part of the tasks for week three. We are satisfied with the work we have done, and we look forward to the next week.

Week Three

Work for the week:

On week three we have to present a working prototype of our project. We already had a log-in page, account page, a house rules page, a complaint page, a wallet, and a page for common questions.

We created a page where the students can view their tasks. We used tab control to show the undone tasks, the already done tasks and the penalties. There are different types of tasks in “undone tasks” tab. The tasks in this tab are colored in red. There are tasks which the user only selects from the list box and then clicks the button at the button right to do the task and there are tasks which the user first has to select the task and then pay the amount written in the task. A small window pops-up with the amount written on the task, a text box to input your amount of money and a button to finalize your task.

When a task is done it is sent to the other tab where the already done tasks are listed. The tasks in this tab are colored in green. When tasks are done the immediately transfer from the first tab to this second one.

The third tab list all the penalties the student received for not doing his/her chores on time. They are listed in a list box and on the bottom of the form there is a button for paying the penalties. The penalties are colored in red and are listed with numbers. The number of the undone tasks and the penalties are one and the same.

By the end of the week (18/12/2020) we have done all the work in the project plan for week three. We are satisfied with the work we have done, and we look forward to the next week.