Retrospective

Introduction:

Dear stakeholders, with the increasing need for housing in Eindhoven it becomes harder and harder to find accommodation these days. The majority of university students are renting an apartment or a room, and our goal is to help them not only to find the best place to live, within their budget but also to improve their staying in our housing by finding solutions to common problems they have to face daily. Our team will develop a software application that will be able to find these solutions and help our tenants to enjoy living in the accommodations.

Current situation:

At the moment Student Housing BV receives many complaints related to the state of the shared rooms. The tenants express their frustration related to the inability to arrange the schedule and manage the shared tasks. Landlords complain that the rules need to be changed in place for each building.

Problem statement:

The complaint is rooted in the residents' inability to divide chores among themselves in the shared residence, set rules, and reach agreements with one another.

Process:

The team analysed the given problem and divided the project into several parts. For the following six weeks each team member had a part in the project to do. In the first weeks, the login and account system were implemented. After that, the student main pages were added (gives the option to make complaints, register tasks, assign schedules, etc.). In the last weeks, database functionalities were implemented, and an overhaul of the design was done. In conclusion, the project implementation went well. What more could have been done is to hold more frequent team meetings. They will increase the team's efficiency over time. Project communication was good. Everybody knew what to do and how to do it. The final product exceeds our expectations.

Evaluation Reflection:

Stoyan Grozdev- Redoing the project gave me a better inside of how to use OOP and how to work better in a team. Going back exactly to the moment when I first started using classes and objects, I realized the following things. I struggled to use multiple classes in a collection, I had a hard time reading a UML diagram and creating one, and I didn’t know how to use a foreach inside a foreach when looping through multiple lists of type classes. The planning of the first project was a mess. Everyone would come up with an idea at any point and try to implement it, git usage was minimal and communication too. This time things were different. The features that were going to be implemented were decided at the start, git was used actively and communication was better compared to last time. What could be done better in the next project is for the team members to work together in the building while doing their parts of the project so merging and compatibility issues would be easier to fix. The project was a great learning opportunity to test my judgment оf time when developing the product and meeting the deadline.

Boris Marinov - Due to the fact that I had no previous experience with programming managing through the assignments was a challenge. I could not keep to the standards of the university last semester, but now everything feels more natural and I seem to understand it going through it again. I think through this semester I have grown a lot as a programmer. For example, crating methods was hard and implementing them within classes was very complicated for me. Also, before I had ideas how a task should be done but no actual syntax in my mind. Personally documentation, diagrams and project plan were never something hard. This time I think I caught up with the standard and maybe even surpassed it a bit. Also, something very important to mention is that this time for the group project I really understand the code and I am able to even give solutions to problems. While working with my teammates I had a blast. Everyone showed passion and understanding. We all connected well and even became friends. Everyone was doing what he needed to complete the project and finish within the deadline. For the next project I would like to take part even more in coding so I can become a better programmer.