Process report

This report is used to evaluate the development of our project. This reflection can be useful for projects in the future. We will compare our final project implementation with the Gantt Chart we set up. Why are there changes and with which problems were we confronted? The dime division of each team member will be brought in a diagram and compared with the Gantt Chart.Which skills were already present in the team and what did we learn during the project? At the end there will be given a final judgment about our process, teamwork and product.

Planning

So the question is: did we menage to complete all the tasks accordingly with the Gantt chart. When the projects started we had to make a Gantt chart. But it's easy to make a chart, the hard part is to follow it. At the first team meeting we divided the work so everyone could use his own experience. But after 3 weeks one of the teammembers, LoïcMassart, left our team. We had to redistribute the tasks because of the leave of LoicMassart. Therefore the Gantt Chart wasn't really followed up.Generally all task were completed in groups of 2 only the really small tasks were done by one person.
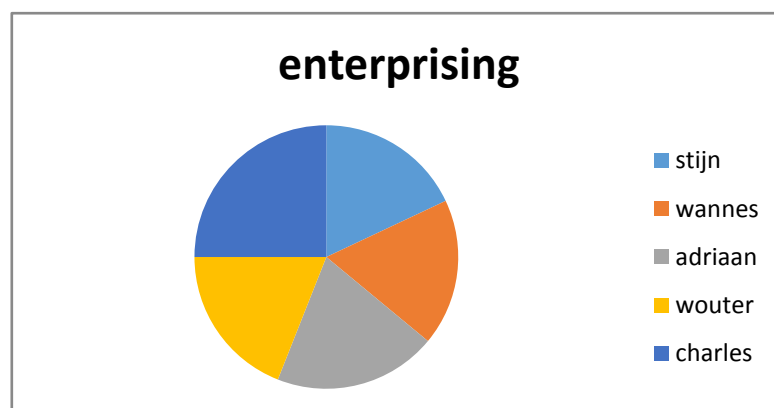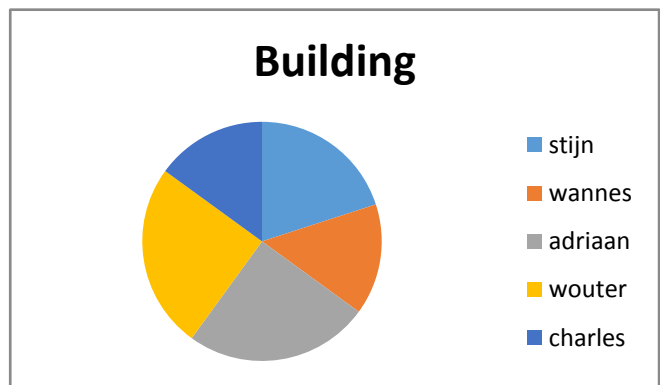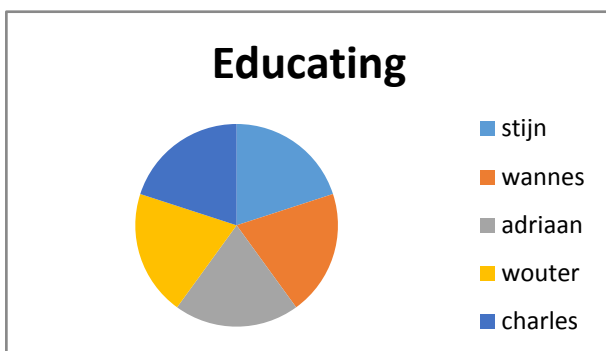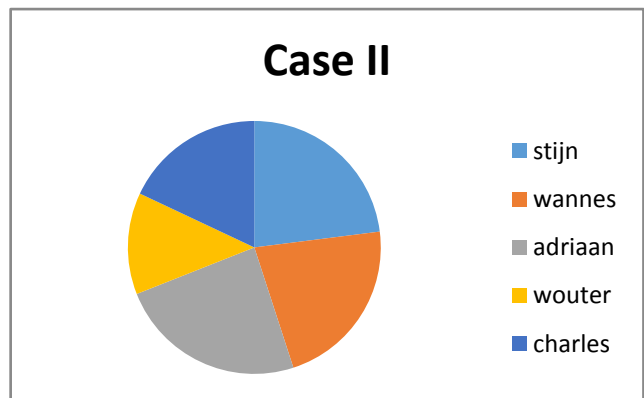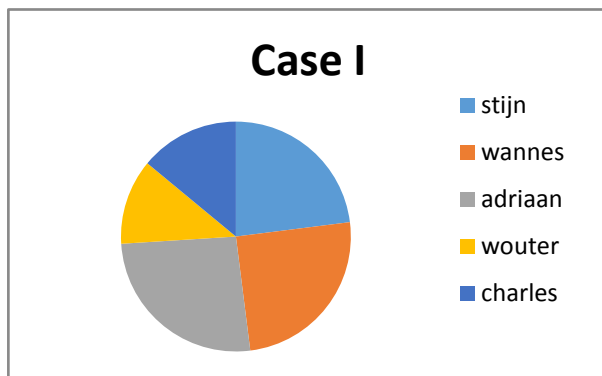
In week 4 we found out that the Gantt chart was to optimistic. Every part of the task was way harder and took much more time than we had planned. There were also many switches between who was responsible for what. In week 3 and 4 we were heading to a dead end. The ideal mass calculations and the Matlab simulation were not even close to being finished. But in week 5 every piece of the puzzle fell in the right place. But it was already week 5, so in week 6 we really had to work hard to get the job done and to meet the deadline on Friday.

After week 6 we were really a team and we did the dividing of the work accordingly with the Gantt Chart. This time everyone did his task like the chart had planned. We also agreed to work in the Fablab for one or 2 days during Eastern holiday. Two days was time enough to build the SSV like our drawings. We were wrong so one of us had to take the car home. One of the problems was that there were some part not available on day one of the building process. So one of us had to go and buy that part and that is how you waste a lot of time because the rest of the team had to wait. We also had a problem with our motor, when we wanted to test it we discovered that it was a broke one. One of us then went to group T during the holiday and luckily there was one of the coaches who gave us a new motor. It was already week 2 of the holiday and the next Tuesday the first test-race on the track was planned. That is why Adriaan decided to finish to car with some tools he had at home. I personally found the building of the car the most interesting part of the project. We are proud that our SSV transformed from a basic drawing to a real winner SSV.

Everything changed during case 2, now we really followed the Gantt chart and the task of Loïc was also divided. All the tasks of case 2 were completed a while for the deadline so we had time to correct each other. There was one problem: we forgot to make this process report had to be made in 3 days before the deadline.

Cooperation

In this section we investigate the actual work that is done by each team member. We will then make the comparison with the workload defined in the Gantt chart. There are 5 different aspects of this project: case I, case II, the building, the enterprising and the education. These graphs show the differences between the team members. Keep in mind that these are percentages and that for example the workload in hours from case I way higher is then the workload in absolute hour for case II.

Case I

- stijn
- wannes
- adriaan
- wouter
- charles

Case II

- stijn
- wannes
- adriaan
- wouter
- charles

Educating

- stijn
- wannes
- adriaan
- wouter
- charles

Building

- stijn
- wannes
- adriaan
- wouter
- charles

enterprising

- stijn
- wannes
- adriaan
- wouter
- charles

Skills

What kind of competences did the team poses in the beginning of project ?

- Enthusiasm
- Confidence
- Team spirit
- creativity

what kind of competences developed during the course of the project?

- time managing skills
- working under pressure
- problem solving ability's
- dividing the workload efficient
- Fablab knowledge

What kind of competences did the team miss during the project?

- Some theoretical parts like the use of Matlab or Simulink was not known
- Real building experience
- procrastination

What kind of competences caused problems? How was this fixed.

Procrastination: in the beginning of the project every task was finished just moments before the deadline. We talked about this and decided to really follow the Gantt chart for case 2. So after following the Gantt chart everything fell into place and we had no more problems

<u>Conclusion</u>