Plans

I expect to finish the project within a week. The project seems a bit harder than the previous ones, but I am sure that if we put enough time and effort, we will have no problems with it. On the first day we will meet to discuss strategies to start the coursework. The second day will be for writing Junit tests because I believe it would be easier for us if we use the test-first approach. The next 2-3 days I expect we would spend working on the code. This would be the most challenging part of the coursework. I expect we would spend no more than 1 day for making the report and the UML diagram. We will start at least two weeks early so as to have enough time and not rush through everything. We will be working mainly in the afternoons and evenings.

Achievements

16.11.2017:

We looked thorough the coursework handout and discussed ways of designing our implementation. We decided to follow the test-first development process and created several Junit tests for each of the three modes in the ControllerImp class and for the Displacement class. It took us around 3 hours to complete this.

18.11.2017:

We started writing the code for the Follow tour mode but decided to leave it for the next day because we found it quite difficult and weren't sure exactly how to implement it. Instead we wrote the code for the two modes – Create tour and Browse tours. We started by creating a few classes in order to keep the design simple and easily understandable. We added Leg, Waypoint, Location, Tour and the enumeration class Mode. We had no difficulties in writing the code for the create and browse modes and it passed all the tests. It took us around 8 hours to complete this.

19.11.2017:

Today we continued with the methods for the Follow Tour mode. We had a few misunderstandings about what we are supposed to do. We decided to come up with a plan in order to sort our thoughts. We had a few differences in the ideas for the implementation but we managed to come to an agreement and to find balance between our ideas. The unit tests provided and the ones we created helped us a lot to get our heads around what we are supposed to do. We spent a

good few hours debugging and running tests until all of them passed. After that we created a bigger test to make sure everything is working correctly. We took a one hour break. We then started retouching the code and adding the logging code and the Javadoc comments. It took us a total of around 10 hours to complete this.

25.11.2017:

We created the UML class diagram and the report including a high-level description of our design and comments about our decisions for the implementation and differences between the design of our previous coursework and this one. Everything went according to plan and we managed to finish rather quickly. It took us around 3 hours to complete this.

Reflection

Everything went well and even better than I expected. We finished in only 4 days with a total of 24 hours of work. I was a bit pessimistic in the beginning but the coursework proved to be not as hard as I expected and it was really interesting. We faced some difficulties when writing the code for the Follow tour mode but we managed to overcome our problems and to come up with a good solution. There is always room for improvement but I believe we made good use of our knowledge and skills. This coursework definitely improved my understanding of the concepts discussed in the lectures.