Project Log - coursework 3

11/11/2018
2.5 hours
Plans:
Our plan was to become familiar with all the tasks that we were assigned, read all of the instructions and set up a java project in Eclipse.

Achievements:
Even though we weren't planning to actually start writing the coursework but just analyse and plan our work, it turned out that we managed to start being productive. After reading the entire coursework instructions document we imported the Java project following the instructions on Learn. We had some issues as for some reasons the new project would stop being a Java project as soon as we imported the AuctionHouse file into it, even though we followed the instructions exactly. The problem however fixed itself after restarting Eclipse. As we started feeling the urge to actually write something, we decided to create Javadoc comments for the Money class, as it seemed to be the easiest and shortest part of the coursework.

Reflection:
We left our today's meeting with positive attitude, as we did more than we had planned before. However, we were still a bit nervous about the rest of the coursework, as it seemed much more complicated and time consuming than Javadocs part.

13/11/2018
2 hours
Plans
Our primary objective for this afternoon was to meet for a couple of hours and write JUnit tests for the Money class.

Achievements:
Today we just managed to do the tasks that we planned. We met both before and after SE lecture and finished creating tests for the Money class. This exercise wasn't particularly difficult, however it required some learning first, as none of us has written any JUnit test before. Another important thing that we did was creating a work plan for the incoming week. We thought this is essential as we have 4 different courseworks in progress at the same time and it would be difficult to complete them all without proper planning.

Reflection:
Today was quite satisfying, as we not only managed to do the planned work but also planned work for the entire rest of the project. Before today's meeting I was panicking a bit that we have so many different assignments to complete but afterwards I realized it was all going to be fine as long as we stick to out schedule.

14/11/2018
5 hours
Plans:

As we only have one lecture on Wednesday, we decided to meet as soon as we got back from King's Buildings and try implementing the entire AuctionHouseImp class.

Achievements:
After several hours of programming we managed to write and debug methods for all use cases except closeAuction(). We realized that this one was going to be the most complex because of several different possible scenarios and all the messaging to be done and we wanted to make everything else work perfectly before proceeding to this method. We were sticking to TFD rules, so we would run provided JUnit tests after every change made to the methods we were implementing. After 5 hours all the methods but one were finished and debugged.

Reflection:
As I enjoy writing code more than planning everything out and analysing requirements, this was the most entertaining part of all 3 courseworks so far. Both of us have actually had good fun today and genuinely enjoyed solving programming problems together.

15/11/2018
5 hours
Plans:
We planned to meet and implement and test the last method remaining in AuctionHouseImp. We also wanted to start writing our own system-level tests.

Achievements:
The process of writing and debugging the closeAuction use case took use quite a lot of time. We also realized that we are missing quite a bit of important details in methods that we implemented before, such as taking the minimum increment into account. Because of this unexpected work we didn't manage to start making our own JUnit tests.

Reflection:
Today didn't go quite as planned and we went home feeling a bit stressed out as we felt we haven't made enough progress and were worried that we might not be able to keep up with the schedule.

19/11/2018
3 hours
Plans:
As we were conscious that our closeAuction() method is still a bit buggy, we planned to fix it as quick as possible and proceed to writing JUnit tests.

Achievements:
Today wasn't very productive. For most of the time we were stuck on one line of code, which was the if-statement, its condition being the equality of statuses. We tried many different ways of doing it, including overriding the equals(Object o) method in Status class. However, since modifying this class was not permitted we had to find another way. After speaking to lab demonstrator who wasn't able to help us I finally realized that we need to compare the Kind field of the Statuses. We fixed the problem but it got really late and once again we didn't manage to start writing test cases.

Reflection:
Today was really frustrating. I feel that we have wasted a lot of time and haven't really made any progress. Luckily, we still have some time left but we are getting more and more nervous because of other incoming deadlines.

20/11/2018
5 hours
Plans:
As we still haven't done the JUnit tests, that is our primary objective for today. We also want to add logging code and create our report. If things go according to plan, our coursework should be finished by the end of the day.

Achievements:
I started writing the tests while my partner was working on the UML diagram and high level description. After adding a couple lines of code I realized that this part is quite interesting and enjoyable. Also, it was extremely satisfying to see that the code we wrote before actually passes most of the system tests, even thhe more complicated one, testing the edge cases. However, not all of them passed, which wasn't entirely bad, as we became conscious of some other bugs in our implementation and fixed them. We also added logging code to our AuctionHouseImp class. That part wasn't particularly hard, perhaps that is why it was only worth 5%

Reflection:
As opposed to last time, today was extremely satisfying. Everything went according to plan and we almost finished the coursework. We are still planning to make some minor improvements to our code, but essentially our coursework is finished and we are really happy about that.

22/11/2018
1 hour
Plans:
This is our last meeting regarding the coursework and is intended solely to go over all we have done so far once again, maybe improve some minor details and meet a tutor in order to get his opinion about our implementation.

Achievements:
The tutor gave as a couple of tips and we managed to fix some minor issues in our code quite quickly. We were then able to submit all the files, finish up our project logs and agree that all work for the coursework is done.

Reflection:
I am really happy and satisfied that we managed to finish the project quite ahead of the deadline. I definitely learned a lot, as this was the biggest Java project I have ever made in my life. Even though things were not always going according to plan and I've had moments of frustration, in the end I can say that I enjoyed the coursework and found it really useful and interesting.

Statistics:

Total time: 23.5 hours

Pre work: 3 hours

Programming: 16 hours

Report: 3 hours

Details and revision: 1.5 hours

Log: (about 20 minutes per day)