PROJECT LOG

Inf2C Software Engineering 2018-19 Coursework 3

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7/NOV/2018(SUN)

Topic: Peer Meeting 1

Plan:

Discuss the instructions together, figure out the particular work need to do, and decide the following plans.

Achievements:

We understood the specific work need to do for this coursework. We need to supplement the tests for **Money** class and add more scenarios for the system-level tests to test other features we need to write in the **AuctionHouseImp** class. We also need to write Javadoc comments to generate documents and add logging codes to generate system logs.

Reflection:

I am not sure about some contents and models in the given codes, because I am a direct entry student I only write C++ and C codes before, many features in Java I'm not familiar with. So I plan to study Java language and the Javadoc comments in the following days.

8~10/NOV/2018

Topic: Java Self Studying

Plan:

Study the features of Java language, the basic skills of writing Javadoc comments and completely comprehend the given codes.

Achievements:

I read the tutorials oracle.com and write some samples of Java language to familiar with. And I read the given code files again, clarified what was previously uncertain.

Reflection:

I find there are too many contents in the tutorials, and due to the Java language is very similar to C++ language I have studied before, the faster way to study is to read codes and search on google for the specific problems.

11/NOV/2018(SUN)

Topic: Peer Meeting 2

Plan:

Discuss the situation and scenarios need to be tested, complete the unit test for Money class and the system-level tests for all features we need to realize.

Achievements:

We determined the details of the class models, including the static models and the dynamic models, and the user cases. For these characteristics and features we wrote some tests for **Money** class and created more scenarios on the **AuctionHouseTest** class.

Reflection:

I find writing test before writing code is a good way to understand what we need to do in coding. And also makes us more clearly about the details of the program, we can write code more targeted.

18/NOV/2018(SUN)

Topic: Peer Meeting 3

Plan:

Realize the features we discussed last week, write code to pass all the tests we have write.

Achievements:

We completed the methods in AuctionHouseImp and debugged them with tests. We found more situations need be consider in and added more tests.

Reflection:

With the clear understand of the behaviours and logical structure of the program writing codes is easy. But we still encountered some critical problems. I wrongly used some **static** variables in **AuctionHouseImp** class, which makes our program almost failed all tests and we cost a lot of time to find out where is the problem. We find unforeseen situations also, and we added more tests and write corresponding codes.

21/NOV/2018(WED)

Topic: Javadoc Self Studying

Plan:

Study and get basic understanding about Javadoc, have the ability to write Javadoc in this coursework.

Achievements:

I understood some skills on writing Javadoc, leaned about using tags in comments to generate HTML documents.

Reflection:

Reading tutorials and other coders' discussion is a high-efficient way to study. I realized that a clear, logical, and comprehensive document is necessary to let others easy to understand my works and also make me more clear.

25/NOV/2018(SUN)

Topic: Peer Meeting 4

Plan:

Write Javadoc comments and add the logging code. Run the program and check the logs. Generate the HTML files to review the comments.

Achievements:

We use the methods in **Logger** class to generate necessary logs. We set up different levels of log and use different marks to differ them. We also created a new banner for the **Warning** messages. By using different parameters when execute the program, we can get different level of logs.

Reflection:

With logs the program behaviours become very clear and easier to debug. The log can represent the UML sequence diagram and text descriptions very well.

28/NOV/2018

Topic: Peer Meeting 5

Plan:

Complete the report from the last coursework, complete the report based on the previous coursework. And finish the project log.

Achievements:

We modified the UML Class Diagram to suitable this coursework, write the high-level design descriptions and implementation decisions in the report. Then we submitted our work.

Reflection:

The actual UML Class Diagram is a little difference than we expected. We considered more complicated situations originally but some of them are not necessary. Through this coursework, I think the biggest problem is to cooperate with partner. We need to write different part of program and sometimes our ideas are different. And we also need to synchronize our codes, I think using GitHub next time is a better choice.