Personal Reflection and Time log

Task 1: Test Plan

It was hard to know what must be included in the test plan. There was not a clear way to know the best template while there are many templates and resources on the internet. I did my best and tried to put what I thought it is important.

I wrote the test plan for the whole project and included all the relevant parts that it is needed to test the system using the white-box technique.

I did not know if I need to describe all the methods that will be tested in the unit test part or what I did is ok.

I drew the work breakdown structure for the teat plan. I include the test steps but I don't know if it's was we should to do.

Estimated Time: 6 hours

Task 2: Test Cases

I chose the fetch book (read XML file) and the delete book methods. I drew a table to describe the methods I will be tested I task 3, which technique I will use (JUnit), and what is the expected results. I was not hard to complete this task but I didn't know if the results of tests should be included in the test cases or not.

Estimated Time: 30 mins.

Task 3: Unit Tests

I made unit tests for the methods (delete book), the method will be performed and then I checked if the sizes of two books lists are not equal before and after the deleting and then I checked if the book has been deleted by checking the first book now is the second one.

The second test is for the fetch book method that named (xmlToBook()), that check if the method read all the books from the XML file. It was difficult at first while my experience is not so good and I still a beginner in Java, but I got some help by some friends.

The two tests can't be performed together because the delete functions that will be executed in the test will affect the expected results of the other tests so run one test each time and copy the original book.xml file again after each run.

Estimated Time: 1 hour.

Task 4: API tests

I couldn't understand what it should be tested in this task. I felt it so complicated to implement. My knowledge was not enough to be able to implement this part. I got help from friends but the test has failed and I couldn't got help from Slack forum. The both assistant on slack have been offline 5 days before the deadline.