Report with all personal reflections

Vision Document

A vision document is important to make sure that all people involved in the project have the same vision of what is to be created. People in the group should not make unnecessary extra work which is not needed but should not forget to implement all features and functions which the customer is asking for. Writing this vision document was pretty straight forward and was good, because it made to do some research before starting implementing things.

Project Plan

I have to admit my first Project Plan was not the best, but gladly after this course I think I have done a better job this time. I remade the whole plan from scratch and gave it better structure. This time it has points to follow and is easier updateable over time if something is missing or if something should be added. Overall it was easier to create a plan for a project, where I knew what the customer wants and what all the requirements are. So, this time the Project Plan was finished without further struggles.

Iteration Plan

The Iteration Plan seemed a bit tricky at the beginning when I first saw it. We already have a Project Plan and a Test Plan and now we should create an Iteration Plan. I first understood it that during every Iteration we do the planning and implementing and testing, so again planning a plan seemed a bit tricky. I am still not sure if I have done this part correctly, but I think it has a structure, where I could look up again what the plan is, what has to be done, write down what was done and what was not done in that Iteration and postpone it to the next Iteration.

Iteration #1

This Iteration was fulfilled without difficulties. First the planning of the whole structure and diagrams and plans have been done. The Implementation was already done, but I cleared the code a bit up because last time shortly because submitting the assignment I messed it a bit up. So this time, because the Implementation was working I could play around with the code, discuss other possibilities of Implementations and change the code around. This time it has a much better structure and is easier to understand. Use Case Diagrams, Robustness Diagrams and Sequence Diagrams were all up to date at this point, so I only had to do the Activity

diagrams which I haven't fulfilled the last time. Test Plan and Test Cases will be updated at the Second Iterations as I am still not fully confident about testing. Time Log is being updated consistently in the document "Time Log".

Iteration #2

This Iteration was fulfilled without difficulties. First the planning of the whole structure and diagrams and plans have been done. Following the update of the Project Plan, which went smooth as well. I continued to update the code and give it a better structure. This time I chose to create more methods in the Catalog class and use this methods for the implementation in the RemoveBookResource class to get a better structure in the code and for better understanding. After that I took a look at the Use Case Diagrams, Robustness Diagrams and Sequence Diagrams and updated all of them. This had to be done as the code was updated as well, and the logic of the diagrams should follow the logic of the codes. I added the new Use Case and made all required diagrams with it. Lastly I postpone all the testing to the last Iteration, because I am still not confident about the testing part. Time Log is being updated consistently in the document "Time Log".

Iteration #3

The final Iteration was fulfilled without major difficulties. At least the document Iteration. The code is fully working and comments have been added for even better understanding as required. I went through all diagrams and plans and documents and made sure everything was up to date. The Use Case Diagrams, Robustness Diagrams and Sequence Diagrams were updated with the new requirements addBook and editBook. This had to be done as the code was updated as well, and the logic of the diagrams should follow the logic of the codes. I added the new Use Cases and made all required diagrams with it. I left the testing documents and the whole testing part for this last Iteration. I have seen on slack that the Test Cases can be written, and it is not the worst if we are not able to implement them. So I first thought of some Test Cases, which I wanted to implement, but not all of them worked out. So at least the whole code is working and running, and the Testing part is left to the next Iteration / for the enxt more skilled team member. Time Log is being updated consistently in the document "Time Log".

Suitable diagrams

All Diagrams have been updated throughout the entire project. This had to be done, as new requirements have been added and the code has been changed. I am still not used to UML and it takes time to click through things and create the diagrams, but this time it wasn't so confusing, like it was when I first saw the diagrams a month ago.

Design

Sketching the Design went this time better than the last time too. Same as with diagrams and all documents it is better and easier to implement requirements and design them and bring them to paper when we know what this whole project is about. So this time, as I already know how the things are connected with each other, and what is required, it was easier to fulfill this task.

Test Plan

Writing this Test Plan without a template was very interesting. First, I searched for different templates and I hope I applied all the things that are needed. I planned for this, what should be a very straight forward plan" 1hour and 30minutes, but it took me a bit longer as I was checking if I have written something wrong or changed it and edited it later again. Over all it was good to have it and to look back at it. But I am not sure if a reader would totally understand what I mean. Can't wait to get feedback on assign3 on my whole test cases and testing documentation.

Test Cases

Writing the test cases before the implementation is interesting. To actually think about what to test there and later to begin with the implementation. I had some struggles with that at the beginning and had to get back to the test cases after starting the implementation and edit them. Over all it is a good thing to write them, so that it has a clear structure and to have something to get back to and not to forget something and maybe edit it.

Fully working and well commented code

As already mentioned in other documents, I have discussed with others the code and did therefore a complete remake, I spent 3 days on the new code to give it a better structure and to make it more understandable. In the beginning I was writing the code just to make it work somehow, but now it looks in my opinion better, and people who see my code now, will understand it better too. Therefore more time was planned for the implementation. I have left the testing to the very last point, as I am not very confident with the testing, and even though I prepared and thought of many test cases, this ones have to be postponed to the next Iteration.