

Iteration #3

Introduction

This document is the third Iteration and is going to be built on the previous tasks and will be used for the tasks to follow. Going through all the previous tasks adding the missing parts and features. Starting with planning, analyzing, designing, implementing and lastly testing. All need to be documented properly in case of reusing the system.

Planning

The planning is similar as in the previous assignments and separated in smaller tasks. First, all the diagrams must be double checked and updated. We have already the existing getBook, getBooks and deleteBook. New requirements addBook and editBook have been asked for, so these should be added and all old use cases double checked for correction. After that, the activity / robustness/ sequence diagrams should be controlled and updated too.

Implementing

Taking the sequence diagrams and the provided resources, the implementation should be completed without any struggles. Starting with taking a look at the EditBookResource and AddBookResource. Not much instructions provided we follow the simple logic of how the adding of a new book and editing the existing books should look like, we construct the methods needed for them. Reaching the point of having an almost complete system the implementation shouldn't be a big struggle.

Testing

The testing part is again similar as in other assignments and will follow the same structure. First, the document "Test Plan" must be controlled for correction and updated with the missing test cases. A plan must be created on how the testing will be done and what should be tested besides the already existing test cases. In this Iteration the testing of the newly added methods and the EditBookResource and AddBookResource should be done. All new methods should be tested with Junit tests and lastly the API should be tested too.

4. Milestones / Time plan:

- starting the planning / 2 hours
- implementing / 6 hours
- testing / 4 Hours

Work Breakdown Structure

- Iteration #3 (this document)
- Project Plan
- Use Case Diagrams / Activity Diagrams / Robustness Diagrams / Sequence Diagrams
- Design with diagram and description
- Test plan + Test Cases
- Fully working and well commented code
- Report with all personal reflections
- Time log

In this Iteration all diagrams have been updated, all Tasks and documents too. The Resources have been completed with the final missing implementation. For this last Iteration I saved extra time for the test cases and the test implementation. The creation of the test case went smooth but the implementing part is not 100%. So this Iteration has been fulfilled on time, the whole project has been completed, but the option search books and the Implementation of the existing Test Cases and further Test Cases and Implementation will be postponed or left to a different more skilled team-member.