

Project plan

Introduction

The project is to create a CRUD REST-API that will handle books. In the end, the user will be able to create, read, update and delete books from the server. The biggest constraint is time through the project should be done by the end of week 11, 2018. During this the project, there will be deliveries of the progress of the project.

Project organization

The organization is one person that will do all of the required parts of the project.

Resources

The project's main resource is one person working less than 50% effectively since part of the time needs to be dedicated to lectures and learning new information. This is something that will affect the scheduling and planning of the activities.

Risk analysis

Risk	Probability	Effects
Getting ill	Low	Serious
The time required to plan is underestimated	Moderate	Serious
The time required to develop the software is underestimated	Moderate	Serious

Avoidance strategies

By planning to be done with activities for the milestones and deliverables before the actual deadlines will help to avoid or at least minimize the impact of the risks.

Activity Schedule

ID	Activity	Duration (Hours)	Dependencies	Milestone	Week
T1	Identify and realise use cases	10		M1	6
T2	Design logic to list books	5	T1	M1	7
T3	Implement the design	3	T1, T2	M1	7
T4	Create a test plan	10	M1	M2	8
T5	Create test cases	3	M1, T4	M2	8 – 9
T6	Unit tests	2	M1, T4, T5	M2	9
T7	API tests	2	M1, T4, T5	M2	9
T8	Iteration planning	5	M2	M3	10

Since this is a learning opportunity the last milestone will be done using

a more agile approach with iterations and an iteration plan. The iteration plan is too early to write now.

Monitoring and reporting mechanisms

For each milestone should also include a time log and reflection of the process. Additional documentation for the specific milestone is required.