

# Project plan for library system

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## Introduction

The project is to build the backend for a working library system from a framework supplied by the course managers. The work started in the end of January 2018, and the project is due March 18th 2018, although there will be a fall-back option later on during the spring in case the project plan fails and the time-frame needs to be extended.

## Risk analysis

Risk	Probability	Effects
Crisis at work means I won't have time for studies	Moderate	Catastrophic
Crisis in own life means I won't be able to complete project	Low	Catastrophic
Illness means I miss study time	Low	Serious
Time allotted for study isn't enough to finish project	Moderate	Serious
Complexity of project is underestimated	Moderate	Tolerable
Complexity of other course demands I take study time from this project	Moderate	Tolerable
Computer breaks down	Low	Tolerable

Overall, the largest risks that I can see to me failing to complete this project is that my time will have to be devoted to my job instead of my studies - working full time as Lead Teacher at a school I've helped found means I tend to be the one having to jump in whenever something goes awry, and working with people, that tends to happen quite frequently. However, this time of year tends to be calmer than most, so hopefully I'll be able to only work full time and not more.

The other risks are that I have underestimated the complexity, or overestimated the time I can give to this project, but I count those as more moderate risks, since they can be mitigated by reevaluating and reworking the plan.

## Work breakdown

### Assignment 1

- Task 1: Personal planning
  1. Subtask A: Books
  2. Subtask B: JSON
  3. Subtask C: Web

- Task 2: Vision
- Task 3: Project plan
- Submit assignment for review by 2018-02-04

## Assignment 2

- Task 1: Analysis
  1. Subtask A: Use cases
  2. Subtask B: Diagrams
  3. Subtask C: Use case realization
- Task 2: Design
- Task 3: Implementation
- Submit assignment for review by 2018-02-18

## Assignment 3

- Task 1: Test plan
- Task 2: Test cases
- Task 3: Unit tests
- Task 4: API tests
- Submit assignment for review by 2018-03-04

## Assignment 4

- Task 1: Planning
- Task 2: Iteration #1
- Task 3: Iteration #2
- Iteration #3
- Submit assignment for review by 2018-03-18

## Project schedule

February 1st - 4th: Assignment 1.1-1.3

### **February 4th: Plan detailed schedule for assignment 2-4**

February 8th: Task 2.1 done. February 10th: Task 2.2 done. February 17th: Task 2.3 done, submit.

### **February 18th: Evaluate schedule for assignment 3**

February 22nd: Task 3.1 done. February 24th: Task 3.2 done. February 28th: Task 3.3 done. March 3rd: Task 3.4 done, submit.

### **March 4th: Evaluate schedule for assignment 4**

March 5th: Task 4.1 done. March 10th: Task 4.2 done. March 18th: Task 4.3 done, submit

Project finished March 18th.

## Monitoring

Revise and update plan every Sunday.