



Project Plan

Library Management System

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I. Introduction

Scope and Purpose

The application is a book library web application which is the foundation of a library system designed for libraries and bookstores. The system will support the following online functions: view the stored books, add new book, update book's information, delete book, and search books in the library's database.

Overall System Scope

The application is implemented in a modern way and has two main modules, the front end (client) and the back end (server) and will communicate via HTTP requests specified in a RESTful specification that you find in the client directory. The front end is implemented using a Single Page Application (SPA) architecture, which means that no reload of the page is needed.

Project Motivation and Objectives

While you can add, edit, and delete books, the application's input will be done by the library staff. Our objective is to make the input easy, logical, and free from errors as much as possible, to ease the access to the books' database, and to show all the needed information of a book.

II. Team Structure

The overall project responsibility, planning, analysing, designing, implementation, and the test will be done by one person

III. Milestones and Scheduling

Iteration	Date	Milestones	Project Goals
Iteration 1	1 February 2017	Planning	Detailed project planning
	3 February 2017	Requirements review	Identify the project requirements
	6 February 2017	Implementation	Identify concrete tasks for this iteration
	8 February 2017	Test plan review	Designing the test plan
			Create tests cases
	10 February 2017	Reflection	Test the implementation
			Reflections on this iteration
Iteration 2	13 February 2017	Planning	Detailed planning for this iteration
	20 February 2017	Implementation	Identify concrete tasks for this iteration
		System test review	Designing the system test
			Implementing the codes
			Testing
	24 February 2017	Reflection	Reflections on this iteration
Iteration 3	27 February 2017	planning	Detailed planning for this iteration
	1 March 2017	Implementation	Identify concrete tasks for this last iteration
	6 March 2017	Testing	Designing
	9 March 2017	Product operational	Implementing
			Testing
	10 March 2017	Reflection	Reflections on this iteration

Scheduling

The estimated time for this project is 6 weeks and the work started on Wednesday, February 1, 2017.

IV. Project Resources

Hardware: Dual-Core or above machines needed.

Software: Microsoft Windows XP installed or above operating system needed, a virtual machine managed via Vagrant.

V. Project Risks

- Important task missing from the schedule.
- Delays in the implementation, due to lack of experience.
- Change in the requirements.