Project Plan

for Library Management System(LMS)

1 Introduction

This document outlines the guidelines and plans made to utilize a Library Management System(LMS).

2 Project organization

The project is handled by three group members. These members are Alper Adil Çetinkaya, Reyhan Dilek, Merve Yetginbal. The workload of the project was divided into five main roles and everyone was assigned to them as given below:

Project Manager - Alper Adil Çetinkaya
Analyst - Merve Yetginbal
Architect - Reyhan Dilek
Developer - Reyhan Dilek (lead), Merve Yetginbal
Tester - Alper Adil Çetinkaya

Each member is mainly responsible for the tasks associated with their role however communication among members will be kept to assist if assistance is needed. Each document for delivery will be prepared by people corresponding to their related role (as shown below). However documents prepared will be discussed to varying degrees among group members before and after the related person prepares it, that way everyone will learn all documentations and will be involved with them.

Document	**Designated Role**
Software Vision	Analyst
Project Plan	Project Manager
Software Requirements Document	Analyst
Architectural Notebook	Architect
System Test Case Definitions	Tester
Software Design Description	Architect
Coding Standard	Developer
Software Test Report	Tester

Having chosen an iterative model each developed use case will be tested before it's submitted (done by our tester).Therefore all members will have an active role in each software delivery.

In addition to these risk management will be handled by the project manager.

If despite all these, members of the group feel one person isn't pulling their weight, additional non-role work will be given to said person based on what feels fair.

3 Project practices and measurements

The management practice going to be used is the Iterative Development while the technical practice will be Use Case Driven Development. One of the reasons why iterative development was chosen is our collective desire to go back a few steps if need be. The sequential partial delivery aspect of the project also contributed in our decision to inherit such a practice. Regarding the technical practice; because the only concrete lead to the project is the Use Case Diagram given by the lecturers, we felt it was fitting to chose a Use case driven development.

Because this project is made by students that have multiple other projects they concurrently work on the project manager will continuously monitor and keep track of the progress manually. Additional documentation apart from what is essential will not be prepared to keep track of progress. Instead we will tackle the tasks ahead of planned time to better manage the possibility of unforseen mishaps. Any delays can easily be handled thanks due to this buffer time that will not be documented.

4 Project milestones and objectives

Simply put this project is part of a course and as such will be graded based on 5 deliveries per the request of the course teachers. There is no real incentive to add additional milestones than that of those outlined by the obviousness of each delivery. So our projects milestones and their deadlines along with their objectives will mirror the deliveries requested by the course.

Iteration	**Primary objectives** (risks and use case scenarios)	**Scheduled start or milestone**	**Target velocity**
I1	Software Vision & Project Plan	21.02.2017 /11.03.2017	18 days
I2	Software Requirements Document	07.03.2017 /21.03.2017	14 days
I3	Architectural Notebook & System Test Case Definitions Login & Logout Use Cases.	14.03.2017 /04.04.2017	21 days
I4	Software Design Description & Coding Standard	04.04.2017 /25.04.2017	21 days

	Search Book, Self-Check-Out, Self-Check-In, Manipulate Book & Manipulate Members Use Cases		
I5	Software Test Report Add Name To Book Waiting List, Notify Of Book Being Available, View My Books, Issue Late Fine & Pay Fine Use Cases	25.04.2017 /16.05.2017	21 days

5 Deployment

If we were to treat this as an actual project than the correct answer will be that all the necessary education about the application will be given to the staff through a short representation including how to setup the program. Further assistance would've been provided through the means of a written manual for the program. However bluntly put there are no such librarians that will be receiving a presentation, plus no updates or even tracking of the programs post release is necessary. A presentation will be prepared for the course but it is currently unclear to us if a manual will be required. If needed one will be prepared by our project manager. Although mentioned in the software vision document; installation guides and promoting will not be done, they were added to give a sense of realism to the project.

6 Lessons learned

We've learned how to plan a project but it remains to be seen after the execution of this plan to see if we've been foresightful therefore successful. The preparation of this document did prove to us how much detail and planning way ahead of time is needed for a large scale project.

Basic roles and what they do along with how we will weave these into our version is another subject discovered by us. Project practices and what they bring with them along with their restrictions, distribution of workload and teamwork among people you don't know but will be working with for a while are all things that we've learned at the start of this journey. And we'll only improve and learn more about these aspects as time goes on and our team will become a living vessel in which to bring this project to life.

Time management is something can be improved upon but for the first delivery there was the disadvantage of getting the group together for the first time as individuals who've not met and actually organizing and planning what every person will do without actually knowing who

brings what to the table, the best way possible. These problems will not hinder us for future deliveries as they were obstacles that we hopefully overcame.