HACETTEPE UNIVERSITY

DEPARTMENT OF COMPUTER ENGINEERING

BBM 487 SOFTWARE ENGINEERING LAB

PROJECT PLAN

Özdeş Öztürk	Ekin Kandemir	Kadir Bulut
21228635	21228434	21228137

Library Book Loan System(LBLS)
Project Plan

1   Introduction

As the students of BBM 487 Software Engineering Laboratory Course, our main aim is to build a project as professional as possible in every single way including the relationship between the members of the group who will be working on various parts of this Software Project. We will be developing a Library Book Loan System which has the capability of making the related operations as accurate as possible. The system will be able to make the most basic operations for a library including searching for a particular book, borrowing and returning a book, viewing the borrowed books. In addition, for the authorized user of the system, it will have the capability of manipulating the books. As this is our most basic plan, there might be slight changes and updates on the capabilities we are planning to give the system we will be constructing based on our future work. The implementation, testing and designing process will shape the possible operations of our project throughout semester.

2   Project organization

Our project team consists of three members: Özdeş Öztürk, Ekin Kandemir and Kadir Bulut. Kadir will be working on the implementation so coding part will mainly be his responsibility which makes him the Coder of our team. Özdeş will be designing the diagrams according to the requirements of the project so she will be responsible for extracting the accurate requirements, analyzing them, constructing the related diagrams and forwarding these to the coder so that Kadir will implement the system based on these works. She will also be the manager of the group who will be checking whether all the members pay enough attention and highly motivated for their own roles. So Özdeş will be the designer and the manager of the team. Ekin will be responsible for testing the implemented project with the proper ways of analyzing the product according to the requirements and suggest the required improvements. She will also be organizing the documentation which makes her the tester as well as responsible for documentation.

3   Project practices and measurements

We will be using the templates from OpenUP for the content development. We will be using Office Word for the future documents that will be submitted. Java programming language will be used to construct the user interface. The following phases will be the delivery of Software Requirements Document, System Test Case Definitions, Software Design Description, Coding Standard and Software Test Report.

4   Project milestones and objectives

Iteration	Primary objectives (risks and use case scenarios)	Scheduled start or milestone	Target velocity
DELIVERY1	Objectives 1. Project Plan 2. Software Vision	01.03.2017/07.03.2017	6 Days

DELIVERY2	Objectives 1. Software Requirements Document	08.03.2017/14.03.2017	6 Days
DELIVERY3	Objectives 1. Architectural Notebook 2. System Test Case Definitions 3. Arch demo with a use case implementation	15.03.2017/04.04.2017	20 Days
DELIVERY4	Objectives 1.Software Design Description 2.Coding Standard 3. N use case implementations	05.04.2017/25.04.2017	20 Days
DELIVERY5	Objectives 1.Software Test Report 2. Final Software& Product Delivery	25.04.2017/16.05.2017	21 Days

5   Deployment

The Library Book Loan System will be used by numerous library staff and will simplify their work. The access will also be provided to the all school members. We will be holding the information obtained about the books as well as the users. We will be holding data by using Oracle database so we will be able have an access to a database that we will be reading the data from and handle the work related to database. Our current plan is developing this project as a web application.

6   Lessons learned

Even if we are at the beginning of developing a software project, while trying to manage the team work, we realized that documentation and an accurate design are as important as implementing the project since the implementation is being shaped by using the information provided by these crucial documents. These phases have a vital importance on the product development since without all these work, we can never say that a product provides the necessary operations to the user. We also encountered the difficulties of working as a team and trying to manage a group work by letting everyone work on the fields they prefer to work on. In brief, this laboratory work is quite significant for us since it enables us to have a better understanding of various stages of developing a particular professional product.

The following table shows a simple Gantt Chart that we created in order to simply visualize our plan and tasks:

	A	B	C	D
1	Task	Start Date	End Date	Duration (Days)
2	Software Vision&Project Plan	28.02.2017	7.03.2017	7
3	Software Requirements Document	7.03.2017	14.03.2017	7
4	Architectural Notebook	14.03.2017	4.04.2017	21
5	Coding Standard	4.04.2017	25.04.2017	21
6	Software Test Report	25.04.2017	16.05.2017	21