BBM487 -Software Engineering Laboratory

Library Book Loan System
Project Plan

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Library Book Loan System
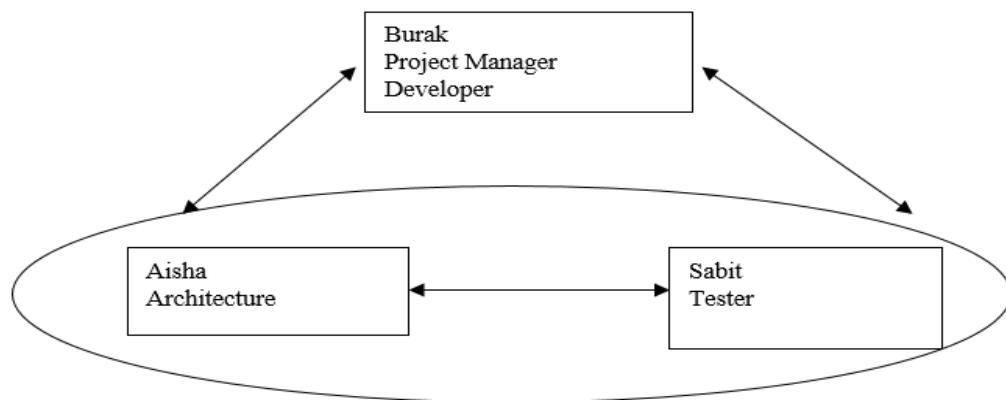# Project Plan

1 Introduction

The project described within this document is an Library Management Software that aims to provide easy and fast access to books by users with a simple and functional user interface.The software is designed to minimize the complexity for both library manager and library users.

This project plan contains information about project team and roles,software's unique sides,which technical practices are used and why,deployment details and a conclusion about benefits.It also contains a table that informs about milestones and objectives.

2 Project organization

Our project team will use the controlled decentralized (CD) team structurea and it would comprise of three team members.

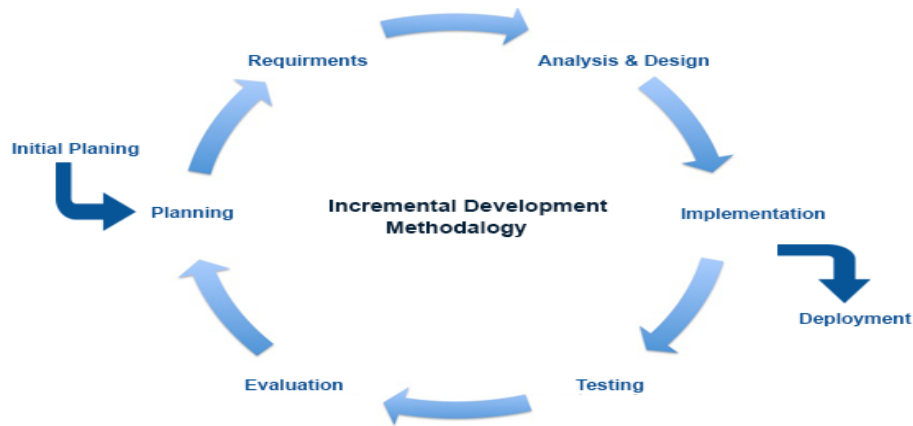| NAME	ROLE	WORK DESCRIPTION
Ali Burak ÖZAKINCI	PROJECT MANAGER DEVELOPER	Responsible for communication between members,implementation and unit testing process.
Aishat Temitope OLOMOWEWE	ARCHITECT	Responsible for techical decisions about software architecture.
Sabit ÇATALTAŞ	TESTER	Manages the testing process and analyzes the results to make sure product fits requirements.

3   Project practices and measurements

For development process of the project,we chose Incremental Development. Because it is easier to test and debug with smaller iterations.This model is flexible and changing requirements and details is less costly than other methodalogies.

Git version control system will be used for tracking progress.Project manager will control the progress and inform the customers.

4   Project milestones and objectives

Iteration	Primary objectives (risks and use case scenarios)	Scheduled start or milestone	Target velocity
I1	**Software Vision & Project Plan** **Risk:** A detailed vision and plan can be the reason of lots of revisions in the future. **Mitigate Risk:** Keeping vision and project plan simple will increase the chance to satisfy expectations and objectives.	**28-02-2017** **To** **07-03-2017**	15 hours
I2	**Software Requirements** **Risk:** Poor requirement estimation causes unexpected situations and increases cost.	**07-03-2017** **To** **14-03-2017**	15 hours

	Mitigate Risk:A well designed requirement document helps finishing objectives on estimated dates.		
I3	**Architectural Notebook & System Test Case Definitions** **Risk:**Wrong architecture and test cases can cause a product that can not satisfy customers. **Mitigate Risk:**Test cases must be defined according to customers demands.	14-03-2017 To 04-04-2017	20 hours
I4	**Software Design Description & Coding Standart** **Risk:**A poor choice of development environment can cause unexpected situations. **Mitigate Risk:**Development environment should be capable of affording architectures works.	04-04-2017 To 25-04-2017	20 hours
I5	**Software Test Report** **Risk:**Untested components can cause problems in production phase. **Mitigate Risk:**All components must be tested and documented properly.	25-04-2017 To 16-05-2017	10 hours

5   Deployment

The production progress and demos will be available on git.Customers can access these resources on projects github repository.Finished software will be available with an installation package.

https://github.com/karubian/bbm487s2017g4

6   Lessons learned

Some points we learned so far are,
- Scheduling development processes,
- Defining roles and distributing among members,
- Designing documents and milestones by considering future situations.