

<b>Library Book Loan System</b>	
<b>Group Members</b>	Berat Gökser Atlı - 21327656 Hülya Şermin Karakaş – 21591198 Sefa Feruzoğlu 21228338
<b>Group No</b>	10
<b>Vision</b>	Date: 8.3.2017



HACETTEPE UNIVERSITY COMPUTER ENGINEERING DEPARMENT  
BBM 487 – SOFTWARE ENGINEERING  
LABORATORY

LIBRARY BOOK LOAN SYSTEM  
- VISION -

### **Group 10**

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# Library Book Loan System Vision

## 1. Introduction

This vision document defines the view of the stakeholders of the technical solution to be developed. This definition is specified in terms of the key needs and features of the stakeholders. It captures the technical solution by describing the high-level stakeholder requests and constraints that give an overview of the reasoning, background, and context for detailed requirements. The vision serves as input for communicating the fundamental "what and why" for the project and provides a strategy against which all future decisions can be validated.

## 2. Positioning

### 2.1 Problem Statement

The problem of	To provide easily management of the library loan system.
affects	Librarians, other people using the library system
the impact of which is	To facilitate the use of the library system.
a successful solution would be	Fast, useful, understandable, consistency

### 2.2 Product Position Statement

For	Libraries
Who	Librarians, other people using the library system
The (product name)	Library Book Loan System
That	Comfortable experience, efficiency, convenience
Unlike	Create a more practical and faster library than other library systems.
Our product	A useful and faster user interface.

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### 3. Stakeholder Descriptions

#### 3.1 Stakeholder Summary

<b>Name</b>	<b>Description</b>	<b>Responsibilities</b>
Librarians	Librarians is the person who is able to check the books which are already added in the system.	The librarian is responsible for executing checking the books and helping to members if they need.
Library Manager	Library manager is the person who is able to do addition, extraction or editing operations of both books and members.	This person is responsible for checking the added data and solve the problems if any occurs.
Member (Customer)	Member or customer is the person who loans the books.	The member is responsible for getting back the loaned book.
Project Team	Project team includes the people in the group which are the project manager, tester, designer and developer.	The responsibility of this team is to develop the system from beginning to end with all parts include management, analysis, testing etc. Also, it is necessary for team to make required updates.

#### 3.2 User Environment

[Detail the working environment of the target user. Here are some suggestions:

There are 6 people who is responsible for developing and using the system. However, at most 2 people(librarian and member) is enough for a member to loan a book.

The task cycle is up to the member. The system starts with loaning the book and finish with delivering book back to the library.

The system will be work on the browser.

### 4. Product Overview

#### 4.1 Needs and Features

<b>Need</b>	<b>Priority</b>	<b>Features</b>	<b>Planned Release</b>
User interface implement	1	GUI design	Iteration 3
Create , delete, edit book operations and user accounts.	1	Database Management	Iteration 3
Users should be able to loan books.	1	Loan operations	Iteration 4

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System should be able to follow the loaned books.			
Managing the accounts	1	System Management	Iteration 4
Users and workers should be able to search the system for desired books.	2	Search Operations	Iteration 5

## 5. Other Product Requirements

Requirement	Priority	Planned Release
Platform Independency	1	Iteration 3
Security	1	Iteration 5
Fast	1	Iteration 4
Precision	2	Iteration 5