



BBM 487 – SOFTWARE ENGINEERING LABORATORY

LIBRARY BOOK LOAN SYSTEM PROJECT VISION

GROUP II

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Vision	Date: 04/03/2017

Library Book Loan System

Vision

1. Introduction

This is the vision document of Library Book Loan System. Like any other vision document, this document will cover the problem and vision statement including project background, stakeholders, requirements and project scope.

2. Positioning

2.1 Problem Statement

The problem of	Loaning book from library.
affects	Visitors, members and the employees of the library.
the impact of which is	Difficulty of managing books and members of the library.
a successful solution would be	A book loan system that makes it easier to loan and track books for both members and employers of the library.

2.2 Product Position Statement

For	Members and the employees of the library.
Who	Loans and monitors the books in the library.
The (Book Loan System)	is a Desktop application for educational purposes.
That	Makes monitoring and loaning of books easier.
Unlike	existing manual in-person library systems
Our product	will be a desktop application that is easier to control for unexperienced users.

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3. Stakeholder Descriptions

3.1 Stakeholder Summary

Name	Description	Responsibilities
Librarian (User)	Librarians are the key users of the system.	The librarians can add, delete, view and update books and users in the system.
Member (User)	Member is a registered user who can loan books from the library.	They can search, loan and return books. If they do not return the books in time, they pay fines. They can also see the books they loaned.
Visitor (User)	Visitor is an unregistered user. The operations they can do is limited.	They can only search books.
Project Manager	Project manager schedules the project tasks and ensures that the project is going according to the plan.	Project manager is responsible for ensuring that everyone on the team knows and executes his or her role, feels empowered and supported in the role, knows the roles of the other team members and acts upon the belief that those roles will be performed.
Software Developer	Software developer is the person who is assigned to implement the project by using proper programming language.	Writing high-quality code to program complete applications on schedule.
Software Architect	A software architect is a software expert who makes high-level design choices and dictates technical standards, including software coding standards, tools, and platforms.	Creating the component design, dividing a complex application to smaller, more manageable pieces.

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Name	Description	Responsibilities
Software Tester	Tester is the person who ensures that the program is reliable in different cases.	To read all the documents and understand what needs to be tested. Develop test cases and prioritize testing activities. Execute all the test cases and report defects, define severity and priority for each defect.
Requirements Engineer	Requirements engineer is the person who defines, documents and maintains the requirements for the project.	Gather requirements from the acquirers, document the requirements to aid high-level design of the project and confirm that the requirements are correct by asking the acquirers.

3.2 User Environment

The users of the system are visitors, members and librarians of the library. The users are assumed to have basic knowledge of the computers. The proper user interface, user's manual should be sufficient to educate the users on how to use the system without any problems. Finished product will be available only as a desktop application for PC's.

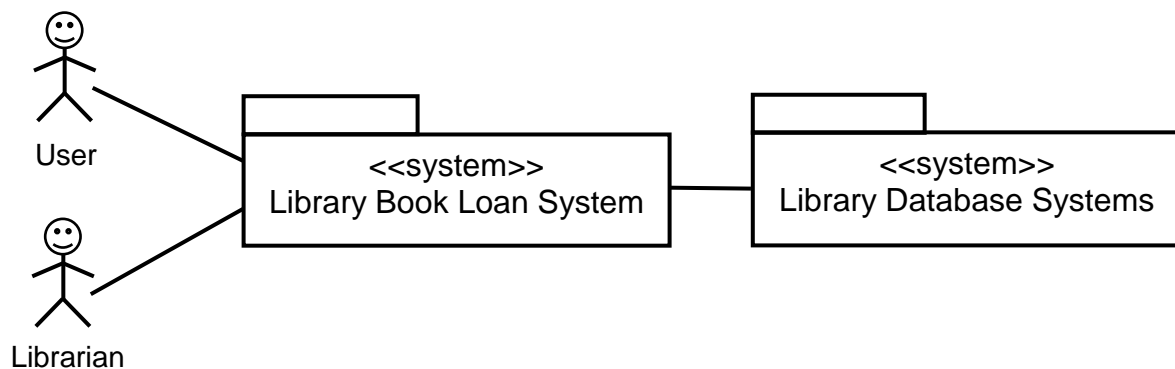


Figure I Context Diagram of Library Book Loan System

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4. Product Overview

4.1 Needs and Features

Need	Priority	Features	Planned Release
Login	High	Enables members to login to the system.	At Release 1
Logout	Medium	Enables members to logout from the system.	At Release 1
Manipulate Book	High	Enables librarians to add, update and delete books.	At Release 2
Manipulate User	High	Enables librarians to add, update and delete users.	At Release 2
Search for Books	Medium	Enables users to search for books.	At Release 2
View my books	Medium	Enables users to view their books.	At Release 2
Self check-out	Medium	Enables members to check-out books.	At Release 2
Self return	Medium	Enables members to return books.	At Release 2
Issue late fine	Medium	Determines which members should be fined for the late delivery of the books.	At Release 3
Pay fine	Medium	Enables members to pay fine.	At Release 3
Add name to book waiting list	Low	Enables members to queue for currently not available books.	At Release 3
Notify of book being available	Low	Notifies members when the books they wanted to loan becomes available.	At Release 3

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5. Other Product Requirements

Requirement	Priority	Planned Release
Program must be stable	High	Through the project
Every interaction within the program must be responsive	High	Through the project
Basic user's manual must be available	Low	At Release 3
Program must be able to run on different operating systems.	Medium	At Release 3