

Library Management System  
Project introduction

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## **SIGNATURE PAGE**

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## Definitions and Acronyms

| Acronym | Definition | Note |
| --- | --- | --- |
| LIB | Library Management System |  |
| CC | Infrastructure Configuration Controller |  |
| CCB | Change Control Board |  |
| CI | Configuration Item |  |
| CM | Configuration Management |  |
| CSCI | Computer Software Configuration Items |  |
| DEV | Developer |  |
| PM | Project Manager |  |
| PTL | Project Technical Leader |  |
| QA | Quality Assurance Officer |  |
| SRS | Software Requirement Specification |  |
| TP | Test Plan |  |
| TC | Test Case |  |

# The LIB Project: An Introduction

## FPT university capstone project

This introduction presents the aims and objectives of The LIB Capstone Project. It contains information about what kind of data we are trying to collect, how we go about this process of data collection, the kind of analysis which will take place and the results we hope to have achieved at the culmination of the project in 2012.

## Background

This project is created based on the need of FPT University for the students of 2008 – 2012 year graduation.

Today, it’s a need for everyone to access knowledge from any kind of system. There are many people that prefer to get to the library and check the books that they think can satisfy them with their problems. So, libraries are one of the developed countries’ concerns. According to that, for the sake of managing the knowledge system, Library Management Systems are created thanks to the developing of Libraries.

FPT University that has recently built a library, need software that can help their librarians to manage the books efficiently.

From those reasons, the LIB project is created.

## Introduction

There are over 200 public libraries in the world, which contain more than 430.000 titles of books all over the world. And one library has its own way of knowledge management. This will make the other users hard to access to the knowledge system of an unknown world.

The LIB is the Library Management System that provides a very efficient way to manage knowledge of any library. From one small library to a thousands of large libraries, to make the world of knowledge seem easy to others than the old way of storing book.

## Aims and objectives

The defined aims of the LIB project are to:

* Provide the efficient way for library for storing knowledge.
* Make users feel at ease when access to the storage of books.
* Provide the creators a way to achieve the graduation certification from FPT University.

The project scope is focus on 3 main features:

* Book Transaction Management
* Book Management
* Client Management

## How LIB works

LIB will be used by the libraries all over the network of information. Every library has its own knowledge database. All will be connected to the main database system, in here, data will collected and filtered for the sake of users in the specific area and knowledge.

It will perform as a manager of local area library on manage books and user, also the state borrow and return. Also, it connects to world library to update the information of the new titles over the world and provide new information based on specific program or area of the local library.

## Project program and management

The LIB Project has been arranged in a series of 8 Capstone projects of FPT University in 2012, and be divided in to 3 main phrases, takes place from Jan 2012 to May 2012.

The sponsor of the project is one of the university professors: Mr. TaiTN.

LIB will be performed as a formal software engineering project from the start of the project. Every document will be created as of the need of the project and request from users and sponsors, and created based on the templates of FPT Software, except this document.

LIB will use SCRUM, one of the agile software management processes, as the project software process.

## Project members

This project will consist of 4 students from SE0425 class of 2008 of FPT University:

* Lê Minh Quân – QUANLM – 60209 – Team Leader
* Nguyễn Hùng Phú – PHUNH – 60177 – Team Member
* Trịnh Ngọc Điệp – DIEPTN – 60128 – Team Member
* Trần Hồ Quốc Bảo – BaoTHQ – 60177 – Team Member

## LIB - Why is it needed?

* To help the government or board of study making use of the library management system.
* To help the users to access the knowledge database.
* To digitalize the librarian’s jobs.

## Conclusion

All we have declared above is basic information of the LIB project. But the main purpose of this project is to summarize knowledge that we have learnt over 4 years in university. Further information will be provided in the next documents.