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Assignment - 03

To develop Software Requirement Specifications for the target System.

Introduction

Purpose

The purpose of this document is to describe the Library Management System. This document contains the Functional, behavioral & non-Functional requirement of the project & it also contains the guidelines for system engineer & designer to start working the project.

Scope

L.M.S is basically updating the manual library system into a internet based application so that the users can know the details of their accounts, availability of books & remaining time for borrowing. It is designed for use of librarian & library users.

Overview

The implementation of Library Management starts with entering & updating master records like book details, library information. Any further transaction like book issue, book return will automatically update current book.

Functional requirement

• Administrator Menu :
  Admin should be able to insert, modify & delete books.
  Can accept or reject a new user.
  Can get the information of any member.
  Add & Edit book category.
• Book Entry
• Book issue.
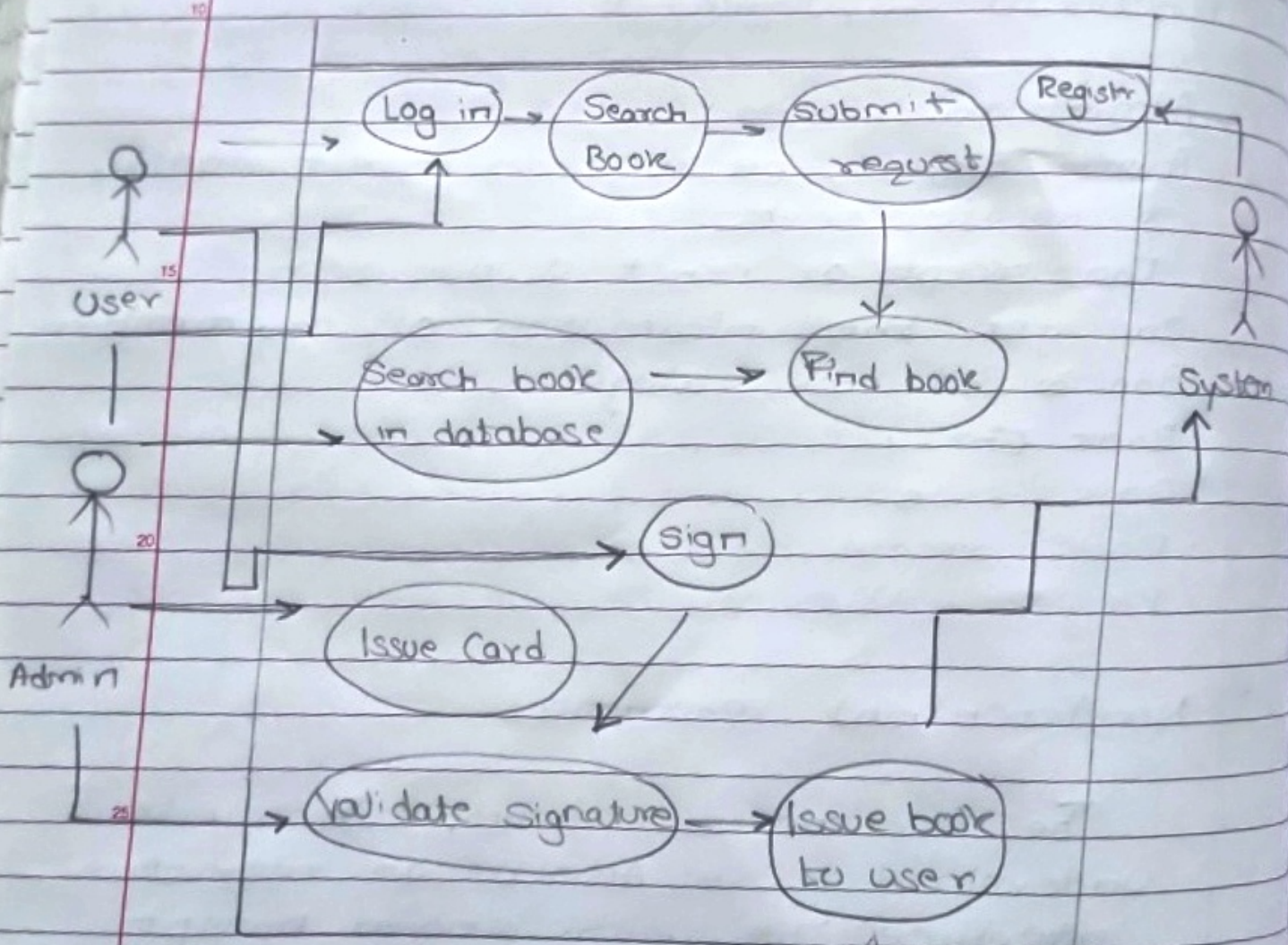• Book record.
• Register User.

Non-Functional requirement

The user should be simple & easy to understand & use. Also be an interactive interface. The system should prompt for the user & administrator to login. The software provides good graphical interface for the user. Allows user to view quick reports.

Error Handling : Library Management system shall handle expected & non-expected errors, in ways that prevent loss in information

Performance Requirement : The system shall accommodate high number of books.

Concepts Used :

1) Classes & objects

A class is a user defined type
or data structure declared with keyword
Class that has data & function as its
members whose access is governed by
the three access specifier private,
protected & public.
when class is defined only specification
for the object is defined.
Object has same relationship to Class as
variable has with data type.
Our project contains two class one
OR student detail & other book detail.

2) File handling.
The records OR students as well as
books will be maintained using files
in C++.

Conclusion : Software requirement
specification for Library Management
system are studied successfully.