

Personal Library Management System



**Object Oreinted Programming in java Final project proposal**

Submision Date: 13th june, 2020

BS(CS) II

Group AK

**INTRODUCTION**

Inventions improve our lives. It makes our life easier and improve our knowledge. As we all are well known about issues of daily life, which are important to resolve because as the world become modern the things and issues are getting complicated. We all want to see innovation in every aspect of our life. Computer Science and technology has changed the face of the world. Almost in every field (medical, education, etc.) Desktop Applications become so important.

Our project is mainly about the resolution of the books management it is about **PERSONAL LIBRARY MANAGEMENT SYSTEM.** We are going to make this project to resolve the problems of students, teachers and all those who are fond of reading books. They must want a record of books with them. So, this is the good way to manage the record of books.

**Problem Statement** for Library Management System:

1. **Vision:**

Our main purpose is to facilitate the book lovers, who want to maintain and manage their books in appropriate manner.

1. **Issue Statement:**

There are many book readers and they also want to maintain their own library. So, issue is that, a person with great reading skills but there is no **soft** facility for the **management** of their book records.

1. **Method:**

We use our JAVA programming skills and some APIs to solve this problem efficiently. So, market get benefit from it.

**Questions arise for Problem Statement:**

1. **What is the issue?**

**Ans:** There is issue of maintaining books by many people. They read many books but have no proper management or record System for their books.

1. **Who does the problem affect?**

**Ans:** Problem affected the people who are fond of reading and want to maintain their Book records.

1. **When does the issue occurs?**

**Ans:** Issue occurs when book readers **search books** from their collection and they face many problems regarding this.

1. **Why is it important that we fix the problem? - What impact does it have on the common people?**

**Ans:** By developing this Software many book lovers get rid of taking tension of their books collection (they have already read). Anytime they can search their records that is maintained in a Database.

**PROPOSED METHODOLOGY**

**Proposed Methodology** is all about how we tackle this issue and develop a reliable facility (i.e., Desktop Application).

In our project first we show the login page in which there will be two options, first one is about (New Account) and the other is about (Existing Account). If the user clicks on **First** option then it will show **Textfields** for **(Enter Name, ID, Password)** and if the user input **second** option (Existing Account) then after clicking this, it will show **(ID or Name, Password)** and **Enter Button**. After this, Application appears **six menu buttons:**

1. ***Add Book***, in its menu there will be textfields for (Book Name, Book Edition, Author Name, Book ISBN number).
2. ***Remove or Delete Record***, in its menu there will be textfield for (Book Name).
3. ***Search Book***, in this menu there will be a textfield (Book name).
4. ***Show All Books*** (this button show all records you already stored books)
5. ***Total Number of Books*** (it returns total books in personal record)
6. ***Exit*** (it will exit the application)

We also use **JDBC** (JAVA Database Connectivity) **API** in our software development. With this facility our customers store their books record permanently in a **database** rather than in files.

**Major Outcomes**

* As earlier mentioned that difficulties faced by book readers in keeping the record of books in **problem statement**, our **Application** will help the readers to keep the record of books, user can add books, remove a book from their list and can view his/her books list.
* With help of Personal Library Management System user can **manage** their own Library records **permanently** without any difficulty.

**Conclusion**

1. After development of this Desktop Application many people get a lot of benefits like, a person has a large collection of books he/she do not face difficulty in managing and maintaining the record of books.
2. It becomes easy for the users to search books details and total number of books they have already added in their record.
3. The user of this application can also search for whole details of a book if he/she forget it.

*The End*

**Drive Link for Proposal video:**

<https://drive.google.com/drive/u/1/folders/13wNAA5CHLSQxYEnzM5zUH_pFVberLCv1>