



LIBO



Introduction

- LibO is a Library Management System.
- Library Management System is a software used to manage the catalog of a library. This helps to keep the records of whole transactions of the books available in the library.
- LibO provides Library Management System which is very easy to use and fulfills all the requirement of a librarian.

Objective

- To provide enriched environment for managing books effectively and efficiently.
- To simply the managing process by providing embedded functions.
- To provide different criteria for searching a book.
- To make library resources more accessible.

Features

- Provides numerous functions to maintain records.
- Uses **Google Book API** to fetch book information's.
- Uses various technique to manage books efficiently.
- Automatic fine calculation for late returns.
- No redundant book records.
- Easy In/Out of books without affecting present data.
- Better Error Handling.



Google Book API

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- Google Book Search Data API can be used to get and modify Book Search content via feeds.
 - Submit full-text searches for books and get book information, ratings, and reviews.
 - Optionally get individual users' library collections and public reviews. Submit authenticated requests to create and modify library collections, ratings, labels, reviews, and more.

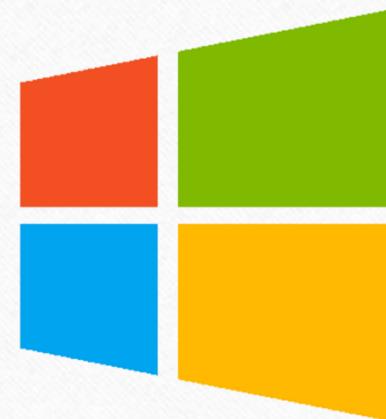
Requirements

Hardware Requirements:

- Pentium 4 processor 2 GHz or above.
- 512 MB RAM
- Internet Connection

Software Requirements:

- JDK 5 or later.
- Windows Platform

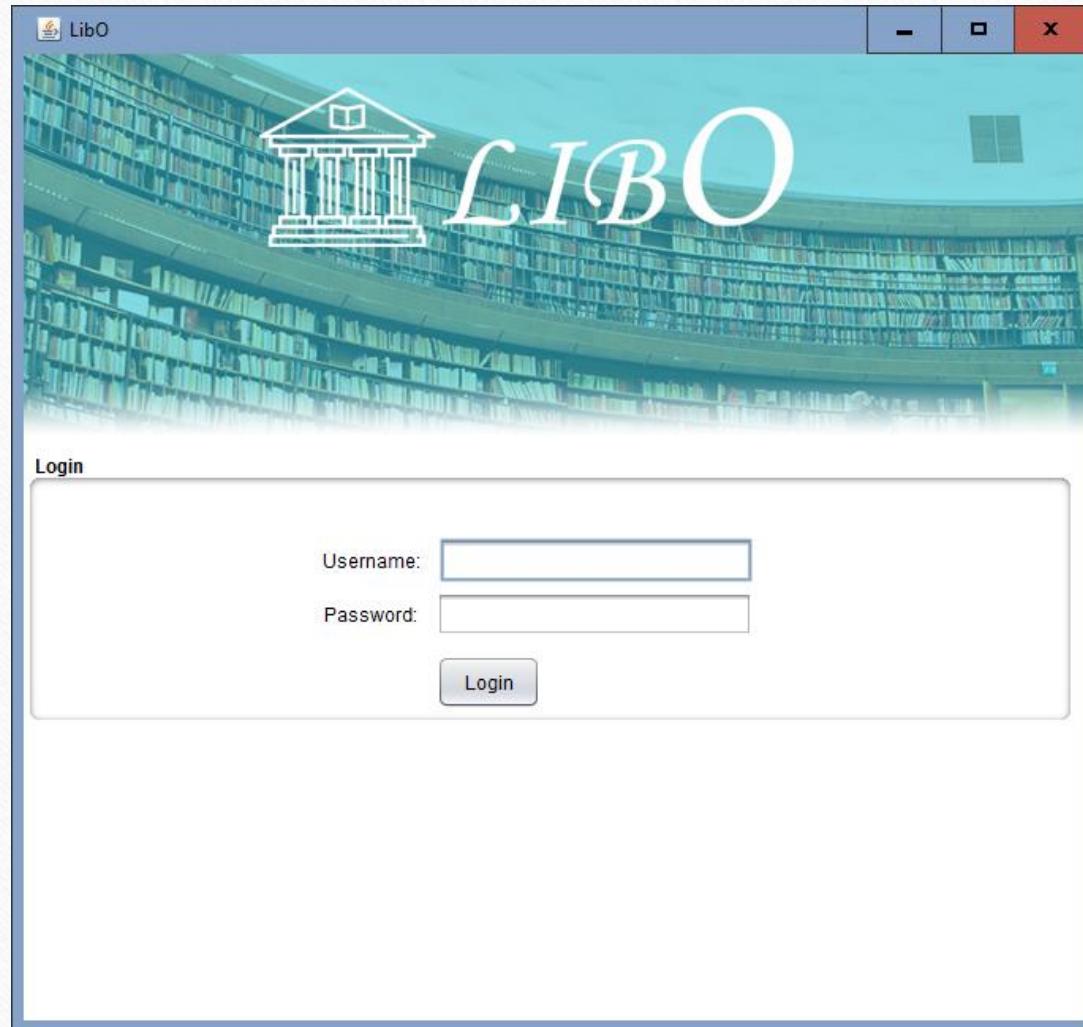


How LibO Works?

Demo

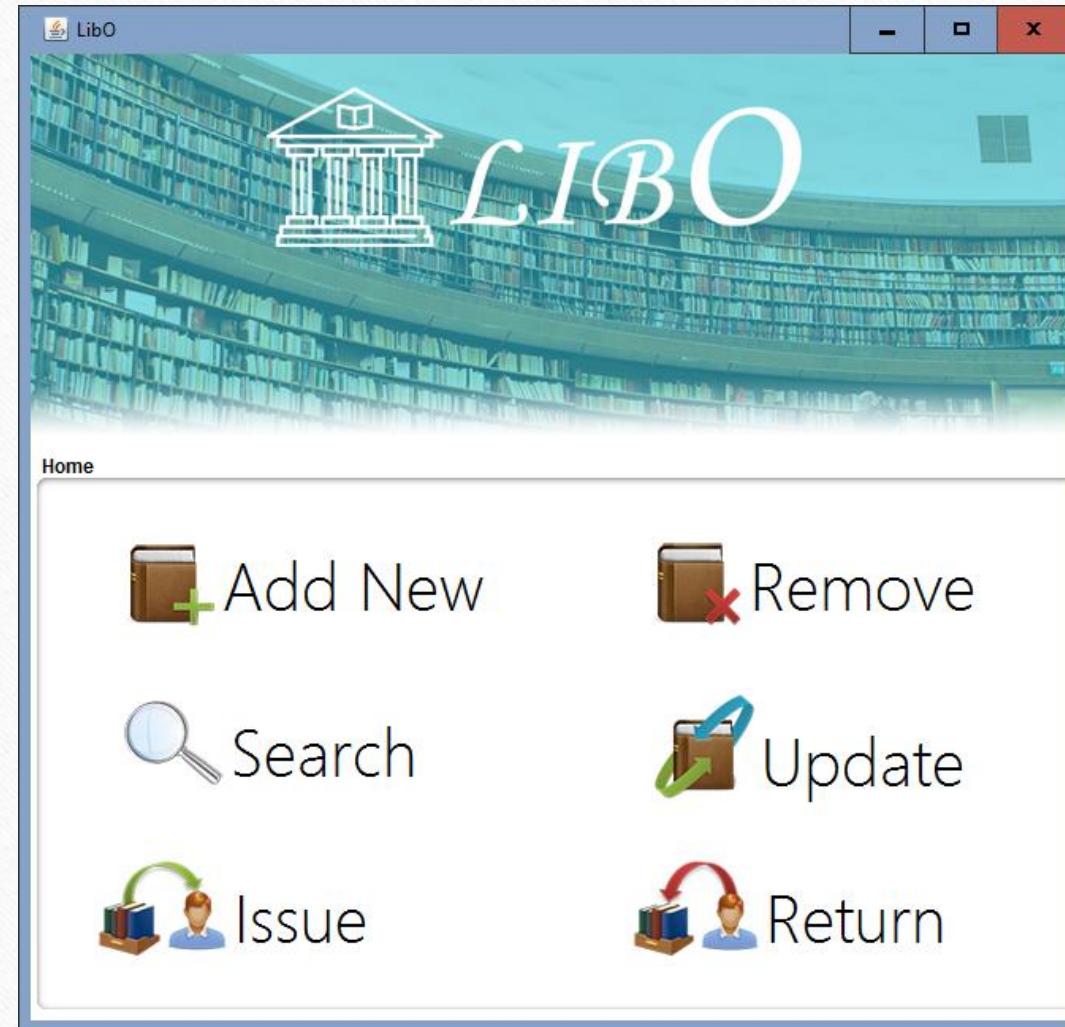
LoginPage

LoginPage provides authentication system to avoid unauthorized access to database and LMS.



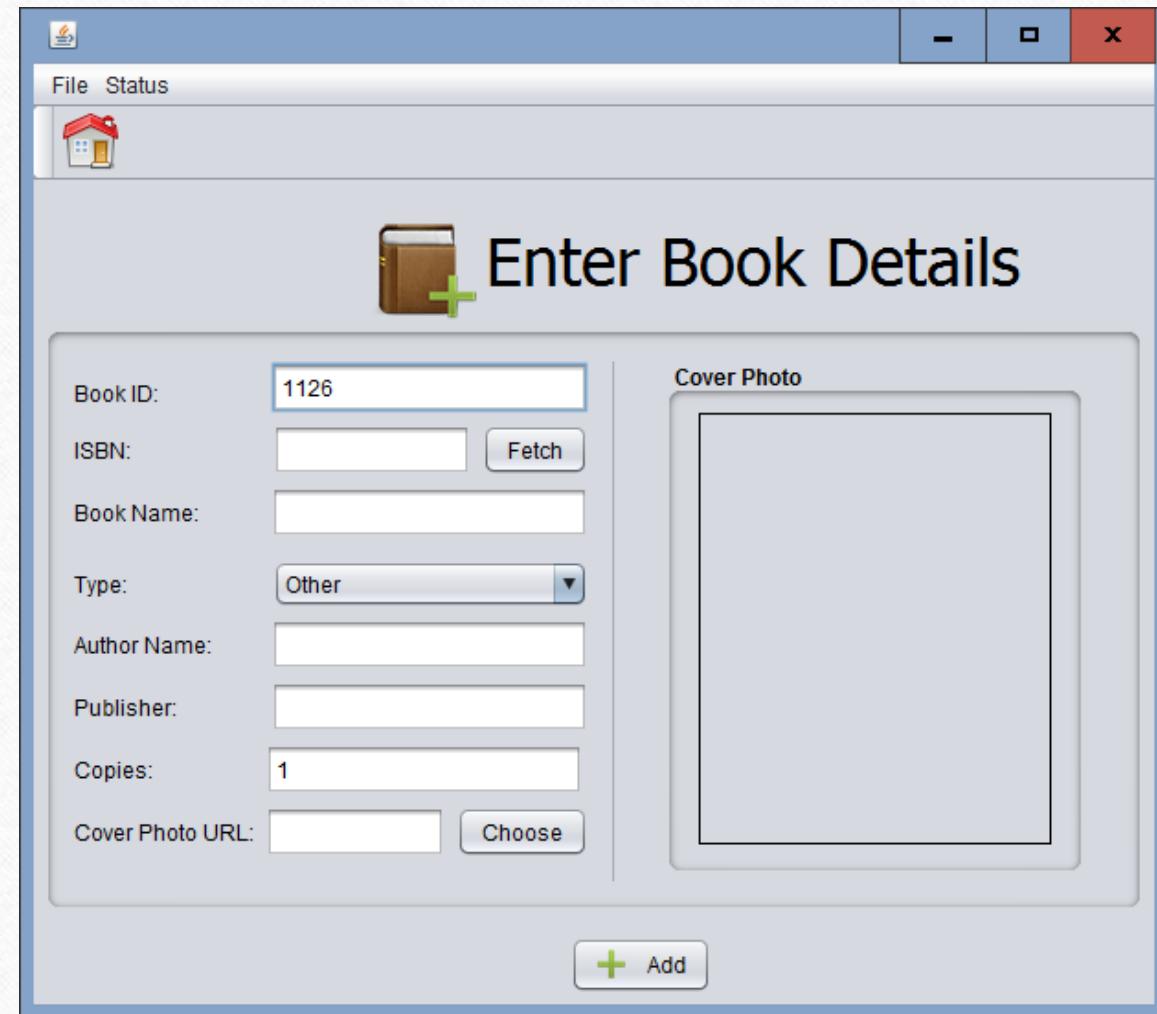
HomePage

HomePage provides various shortcuts to features used in LMS.



AddNew

AddNew gives librarian the ability to add new books to library without much efforts



Enter Book Details

Book ID: ISBN: Fetch

Book Name:

Type:

Author Name:

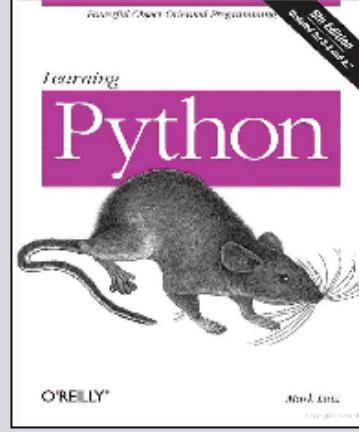
Publisher:

Copies:

Cover Photo URL: Choose

Add

Cover Photo



The screenshot shows a software application window titled "Enter Book Details". The window contains fields for Book ID (1126), ISBN (1449355692), Book Name (Learning Python), Type (Other), Author Name (Mark Lutz), Publisher (O'Reilly Media, Inc.), Copies (1), and Cover Photo URL (4pgQfxQvekcC). A "Choose" button is present next to the Cover Photo URL field. On the right side, there is a preview of the book cover for "Learning Python" by Mark Lutz, published by O'Reilly Media, Inc. At the bottom left is a green "Add" button.

Automatically assigns new BookID Based on previous records

Fetch Button uses **Google Book API** to retrieve Book information and cover photo from <http://books.google.com> using ISBN

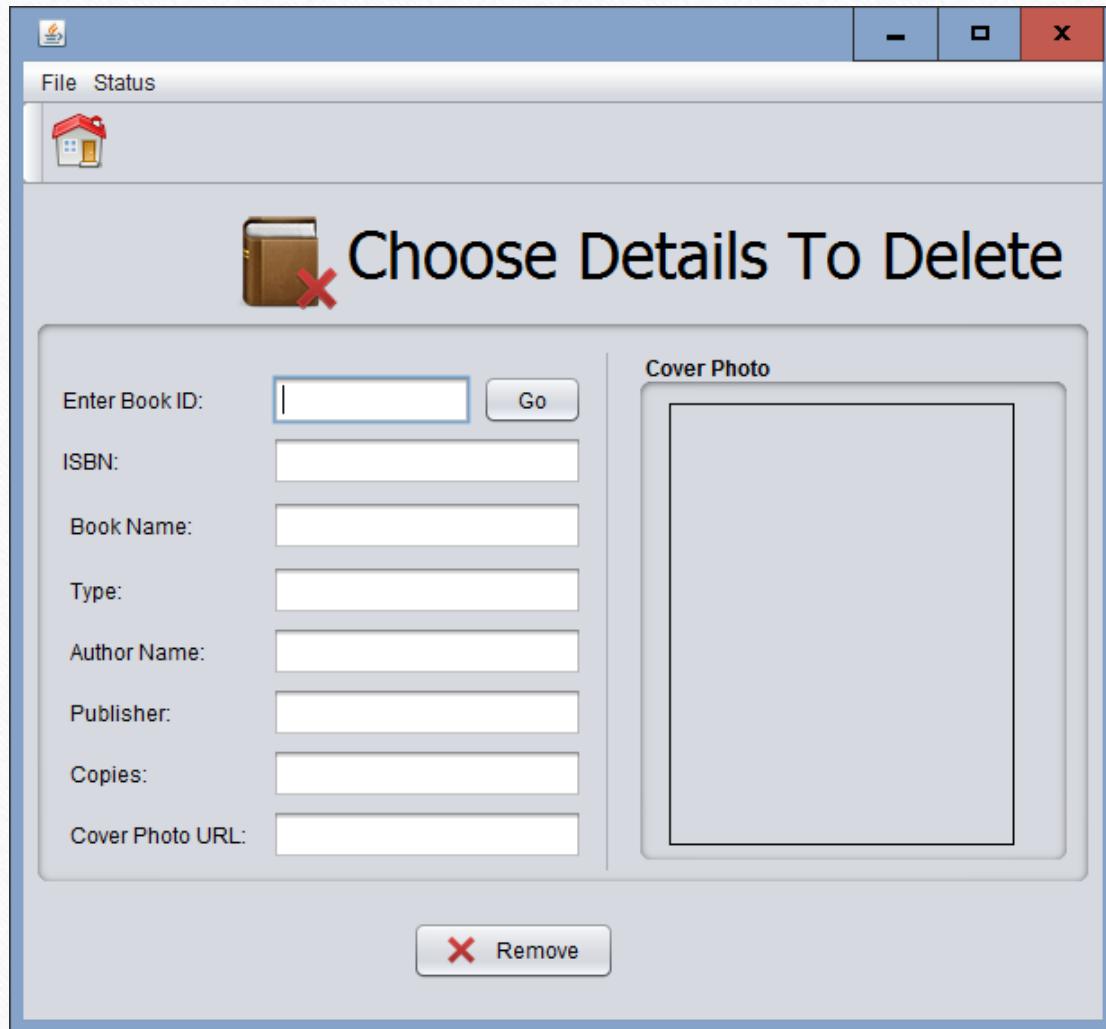
Choose Button lets librarian to use custom Book Cover.

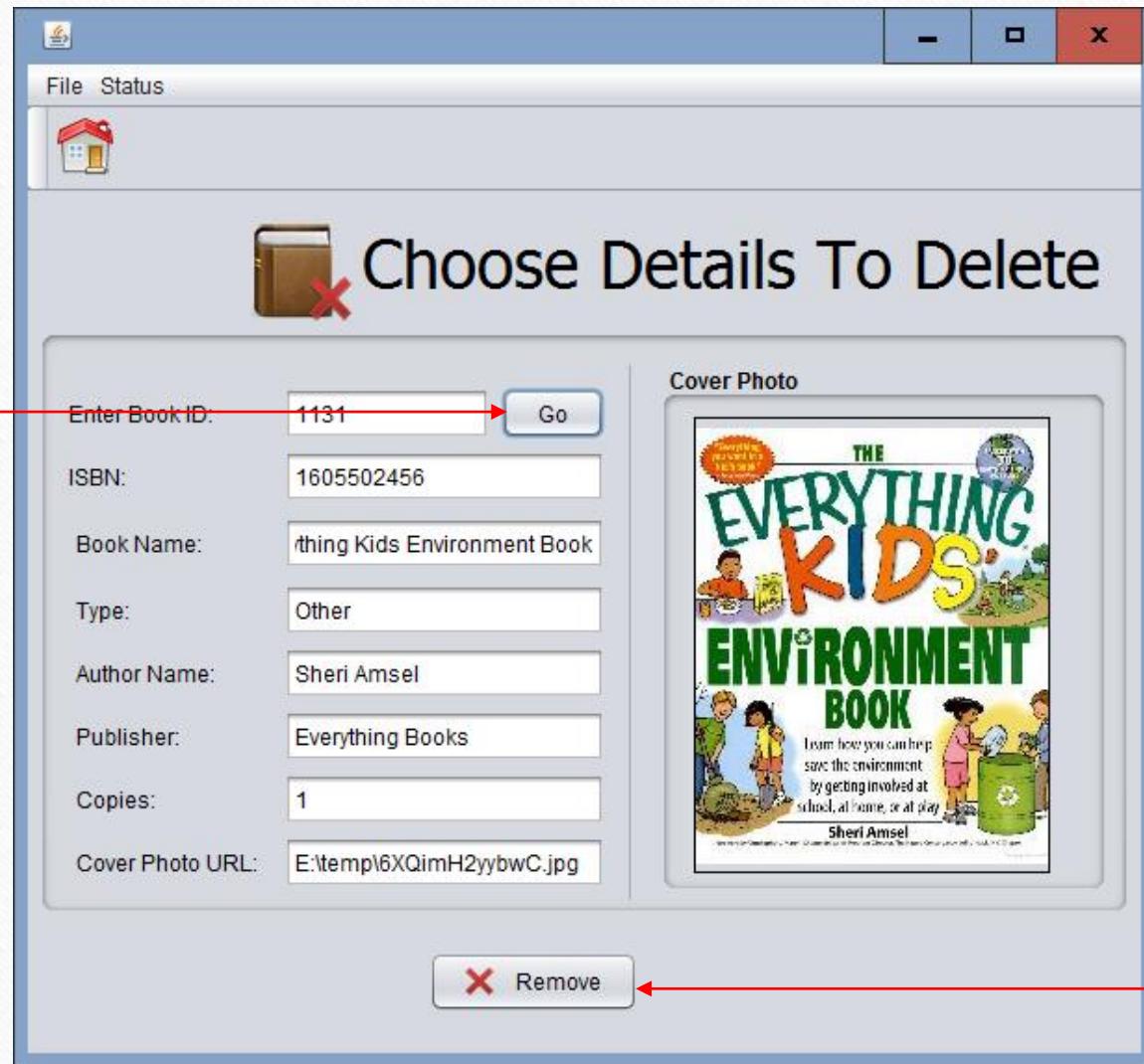
Toolbar shortcut returns the librarian to the home page.

Add Button adds the book information to the database.

RemoveBook

RemoveBook gives librarian
the ability to remove books.



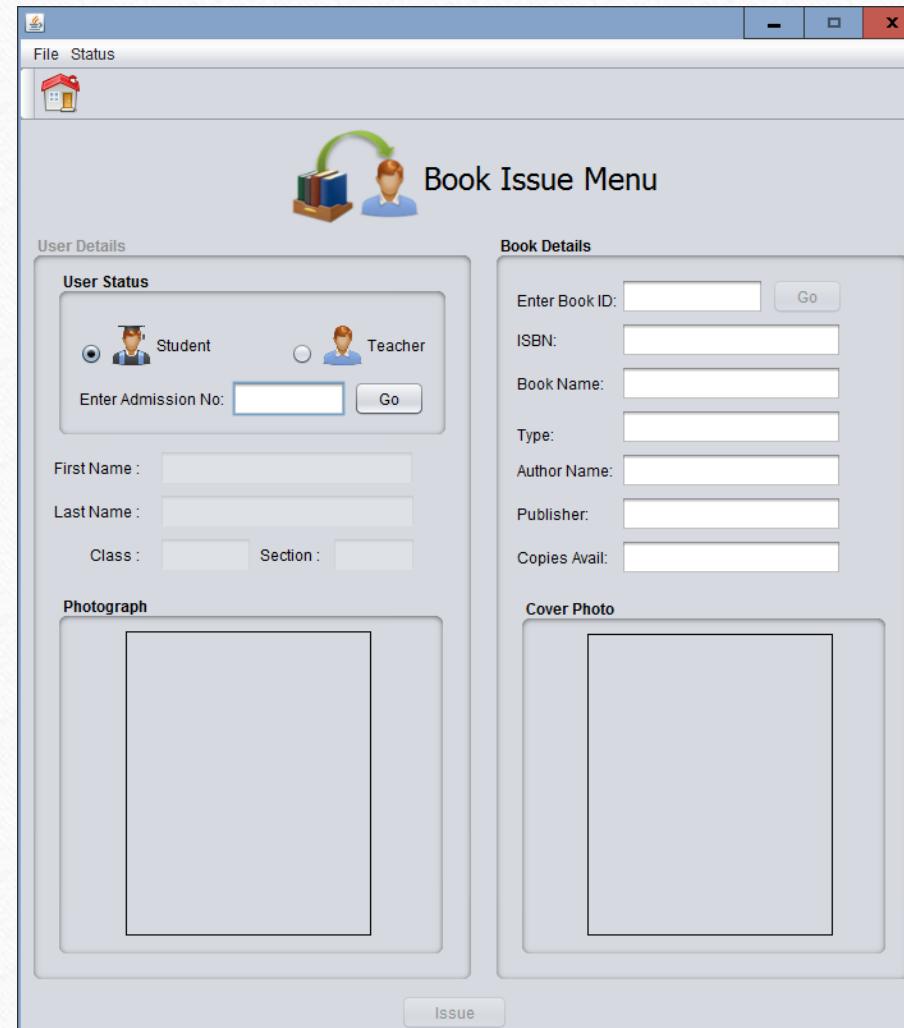


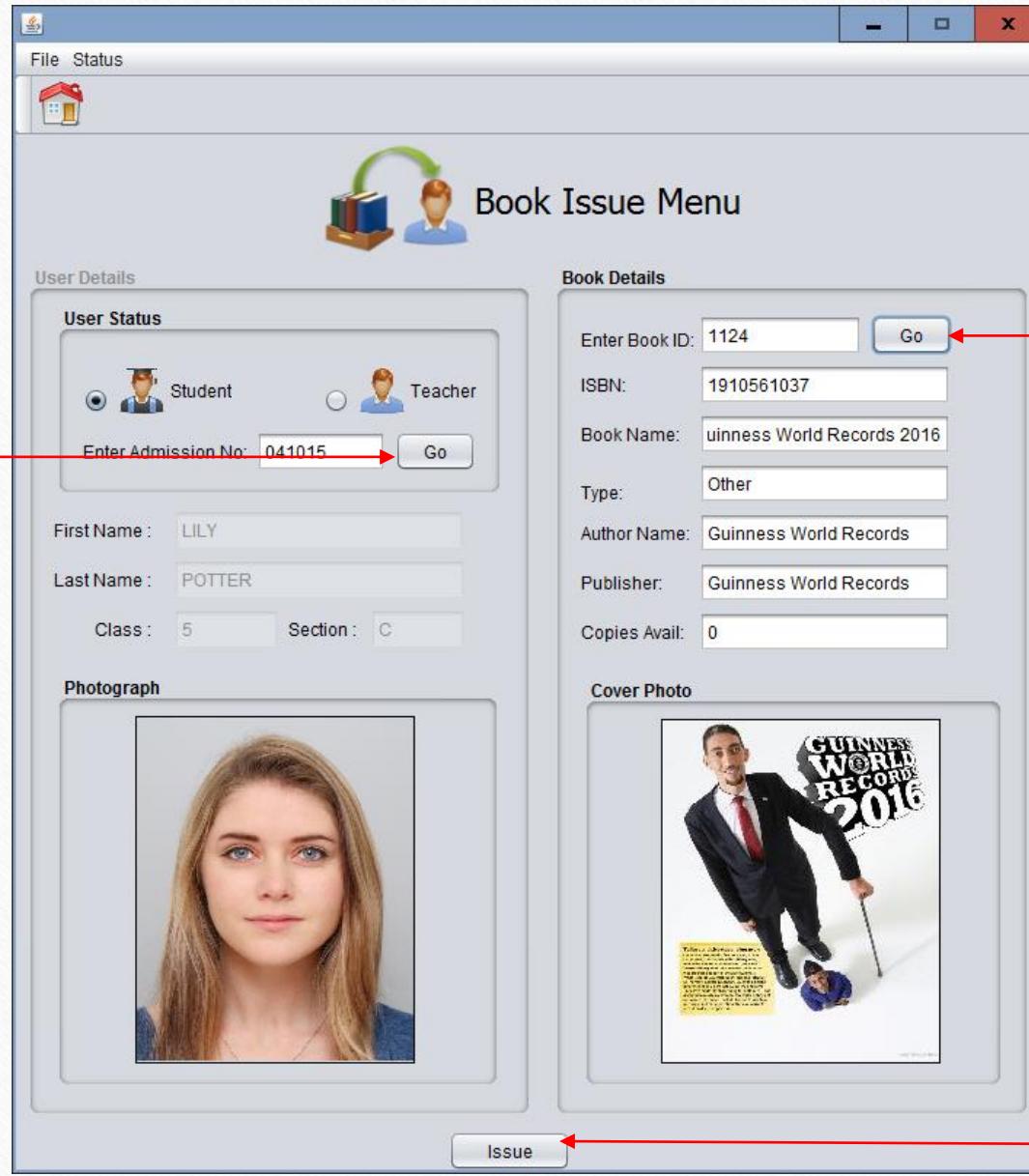
Loads the Book Details from the database.

Remove Button removes the book information to the database.

IssueBook

IssueBook gives librarian the ability to issue books easily.





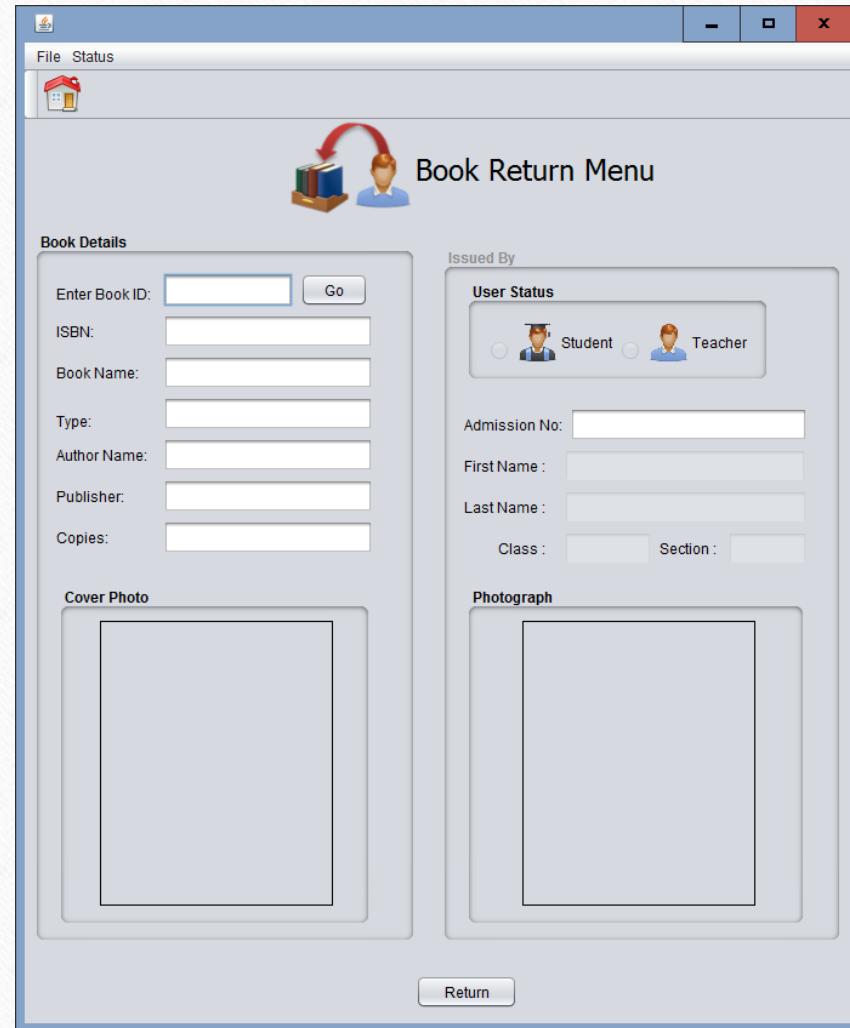
Loads the Student or Teacher Details from the database.

Loads the Book Details from the database.

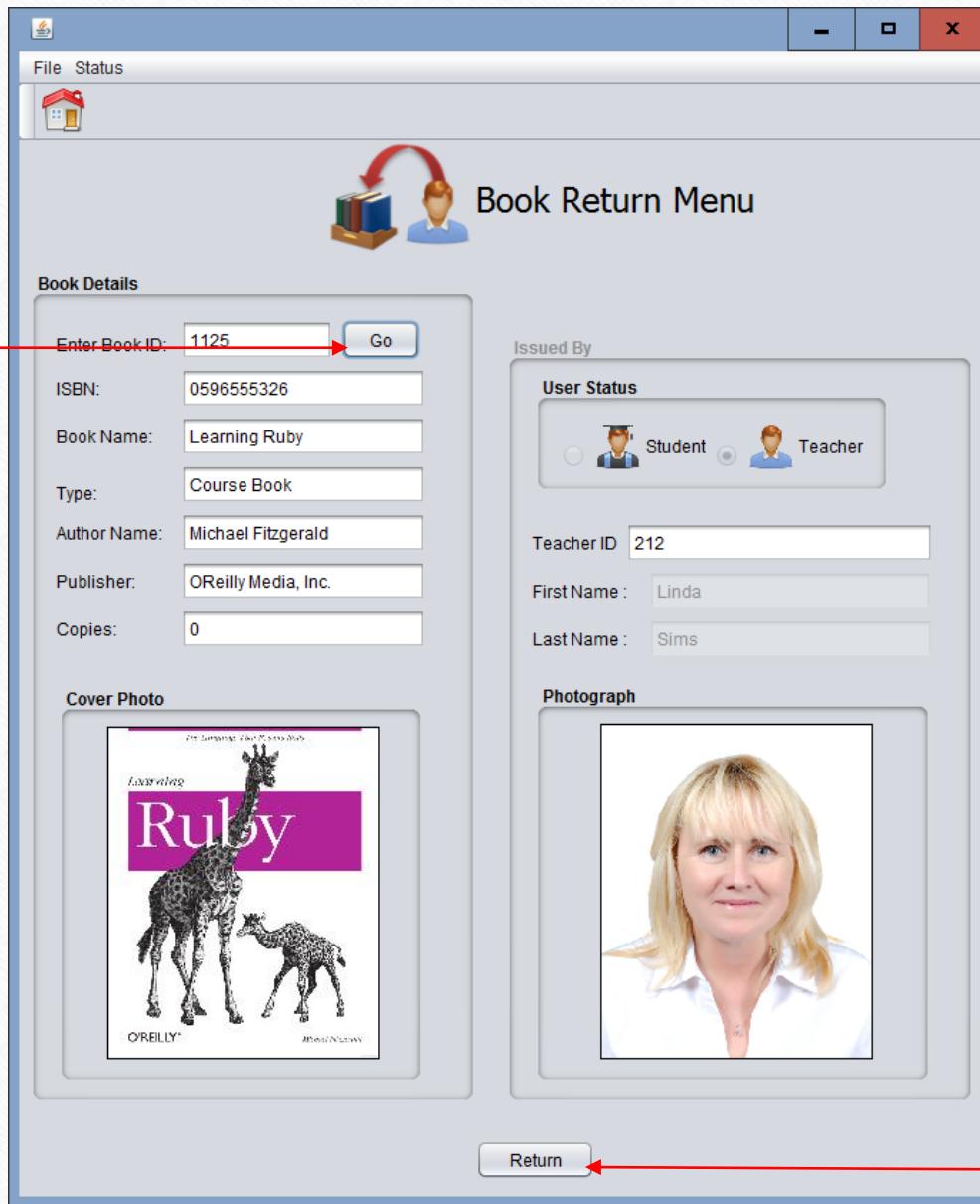
Issue Button issues the book.

ReturnBook

ReturnBook helps librarian to return books easily.



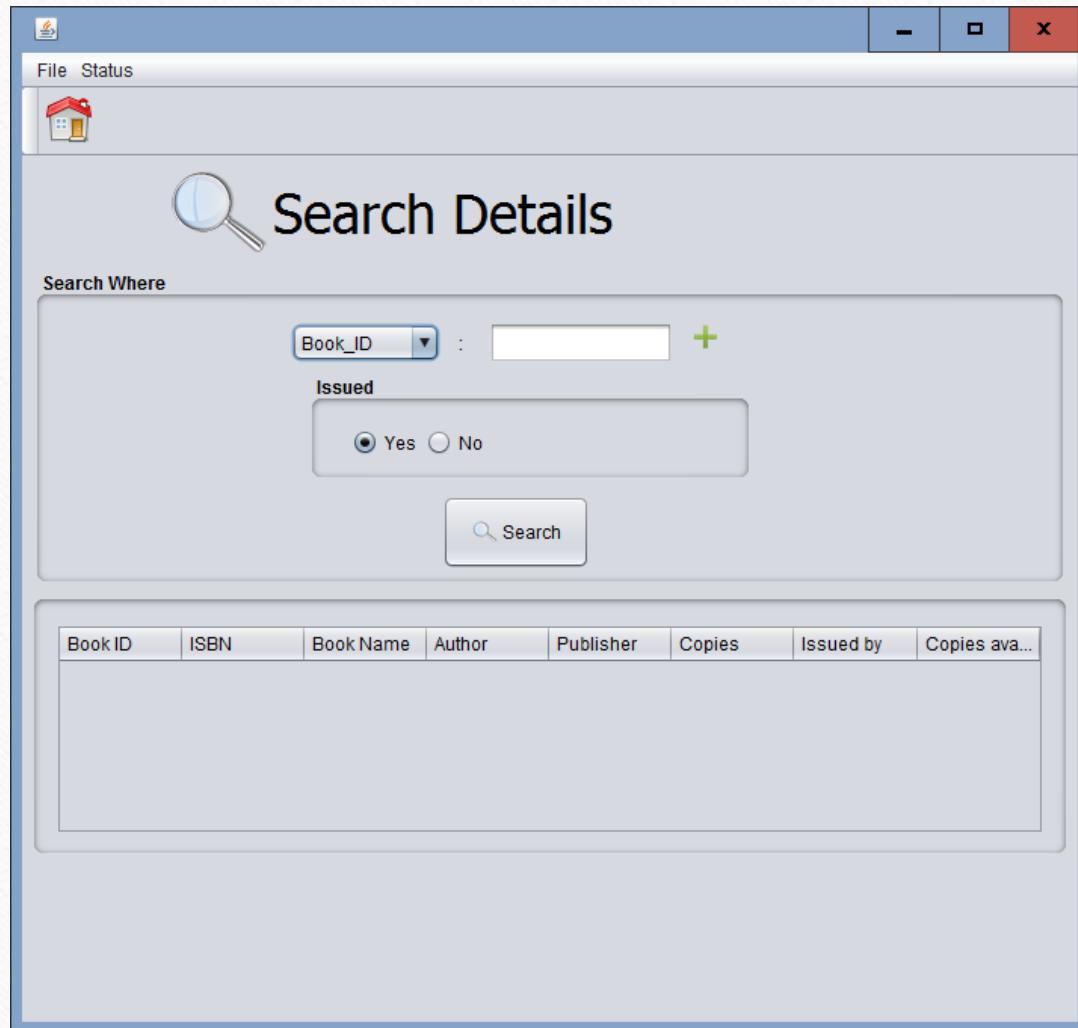
Loads the Books,
Student or Teacher
Details issued.



Return Button
returns the book.

SearchBook

SearchBook gives librarian to search books easily using many search criteria.



File Status

Search Details

Search Where

Book_ID	:	1129
Book_ID	:	1149354495
Book_ID	:	
Book_ID	:	
ISBN	:	
Book_Name	:	
Author	:	
Publisher	:	
Copies	:	

No

Search

Book ID	ISBN	Book Name	Author	Publisher	Copies	Issued by	Copies ava...
1129	1449324495	Head First...	Eric Freem...	O'Reilly Me...	1	041015	0

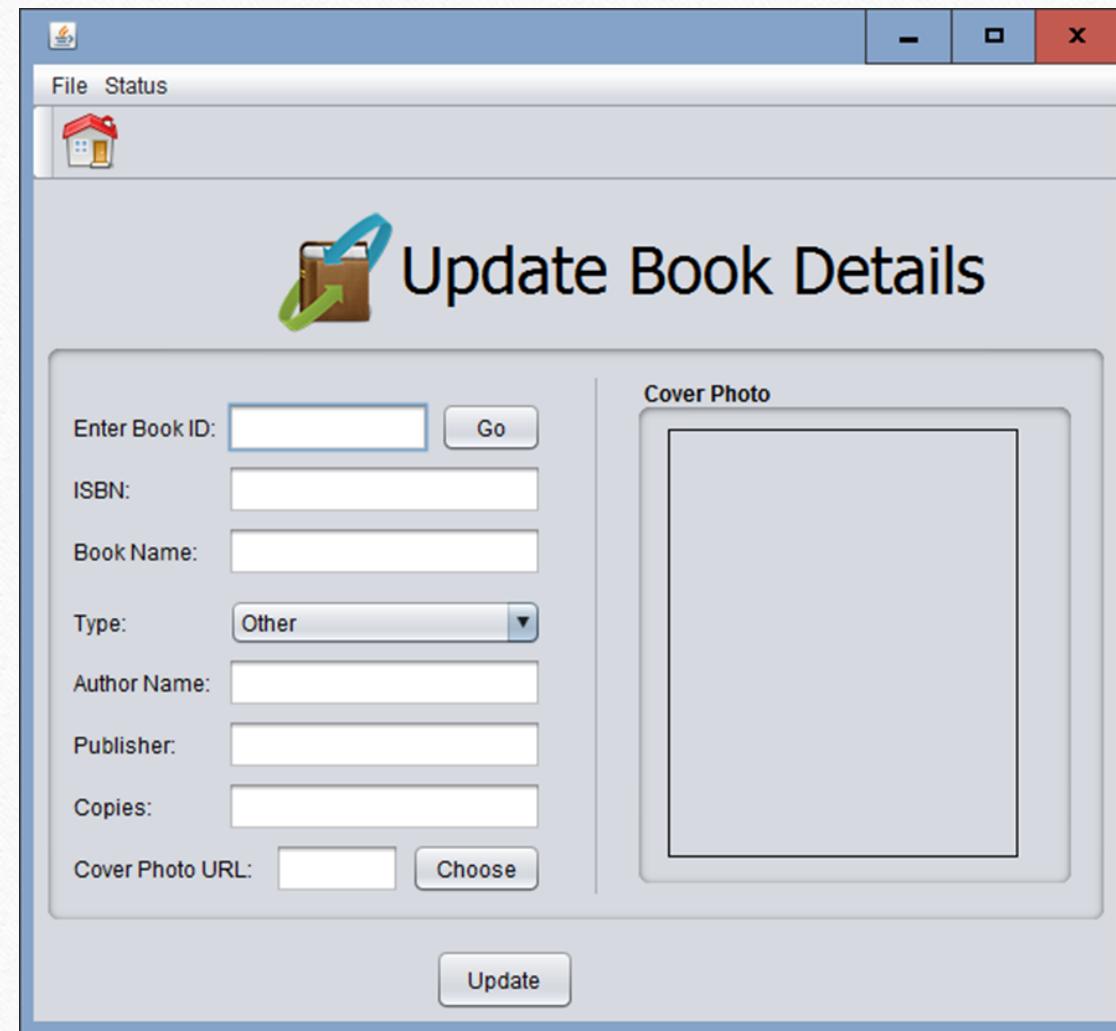
Select search criteria.

Multiple search criteria options.

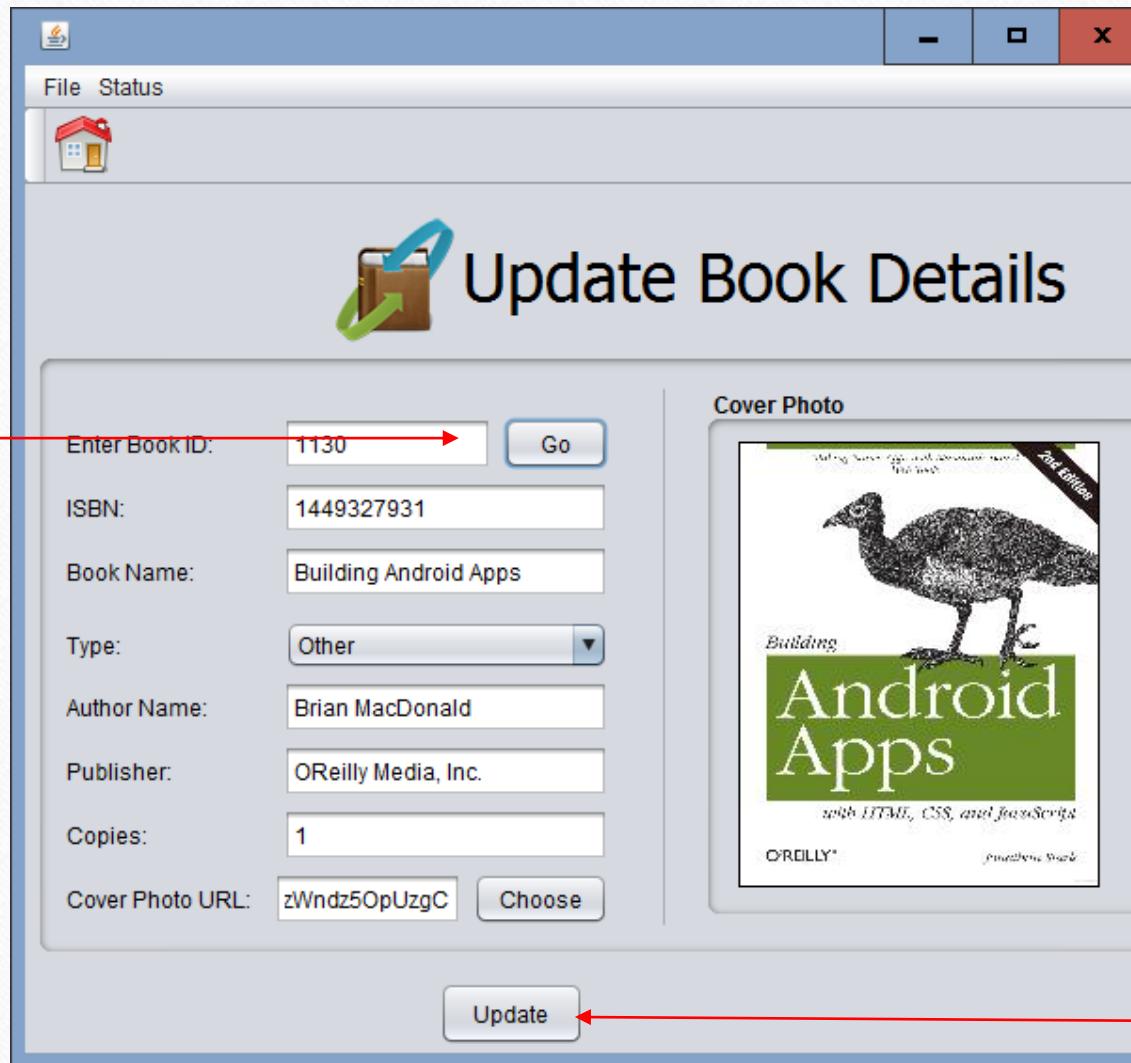
Remove search criteria.

UpdateBook

UpdateBook gives librarian
the ability to update book
informations.



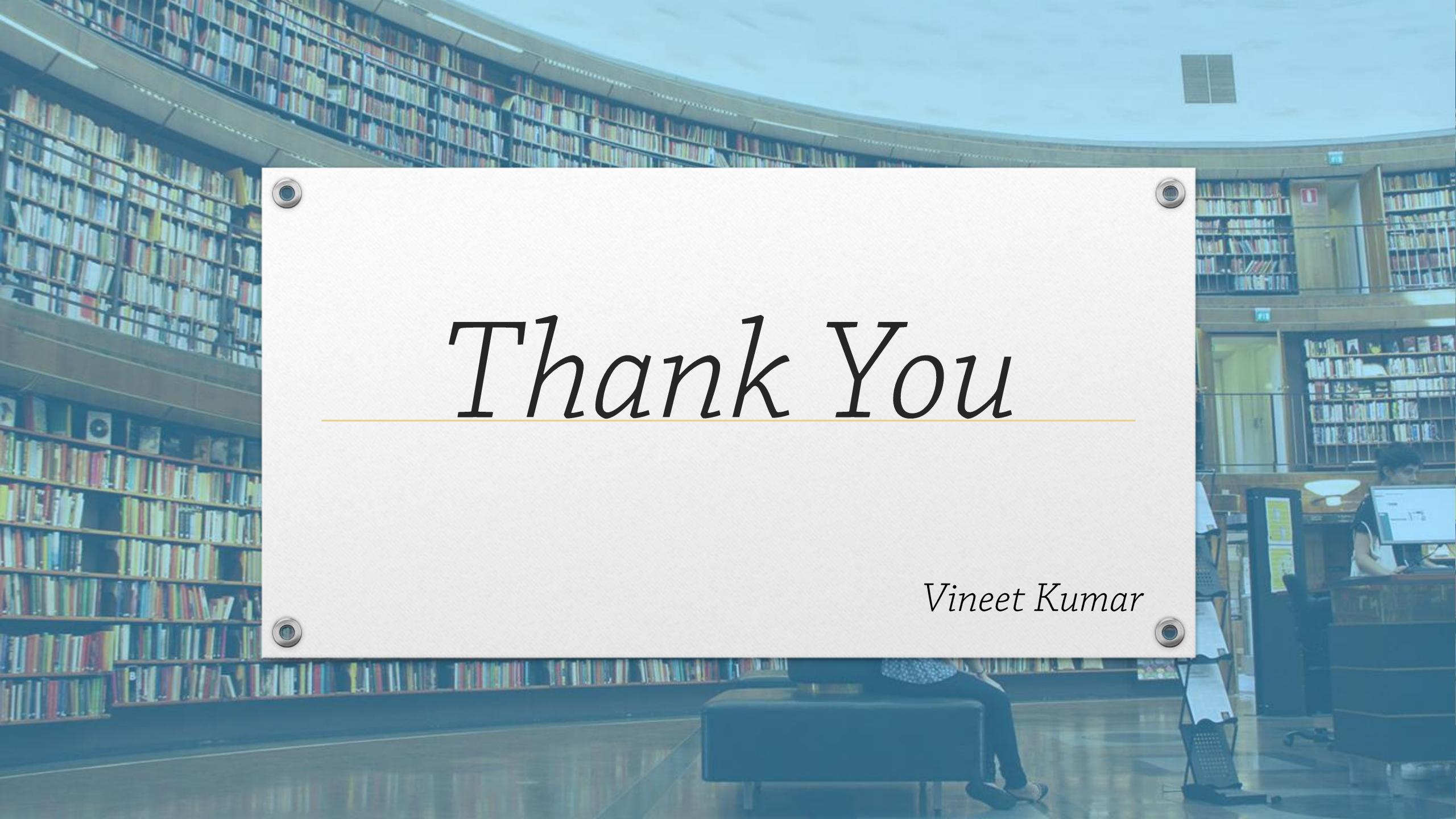
Loads the Book Details from the database.



Update Button updates the book information.

Drawbacks

- No Record History available.
- Some feature requires Internet Connection.
- No fine collection gateway.
- Limited to Librarian use only.



Thank You

Vineet Kumar