

USER GUIDE FOR LEARNINGMANAGER

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Introduction

Welcome to LearningManager, a powerful desktop application designed to help librarians efficiently manage their libraries. This user-friendly application is built using modern technologies including Java, JavaFX, and SQLite to provide a seamless experience across all platforms.

About This Guide

This user guide provides comprehensive instructions on installing, configuring, and using Learning Manager. Whether you're a first-time user or looking for specific functionality, this document will help you get the most out of the application.

System Requirements

- Operating System: Windows 10/11, macOS 10.14+, or Linux
- Java Runtime Environment (JRE) 11 or higher
- Minimum 4GB RAM (8GB recommended)
- 100MB free disk space
- Screen resolution of 1280x720 or higher

Installation

Advanced Installation (From Source)

For developers or advanced users who want to build from source:

1. Ensure you have the following prerequisites installed:
 - Java Development Kit (JDK) 11 or higher
 - Maven 3.6+
 - Git (optional, for cloning the repository)

2. Clone or download the source code:

```
git clone https://github.com/HonluePetnou/LearningManager.git
```

3. Navigate to the project directory:

```
cd LearningManager
```

4. Build the application using Maven:

```
mvn clean package
```

5. Run the application: using the class App in the location

LearningManager\src\main\java\com\example\librarymanager\App.java

First-Time Setup

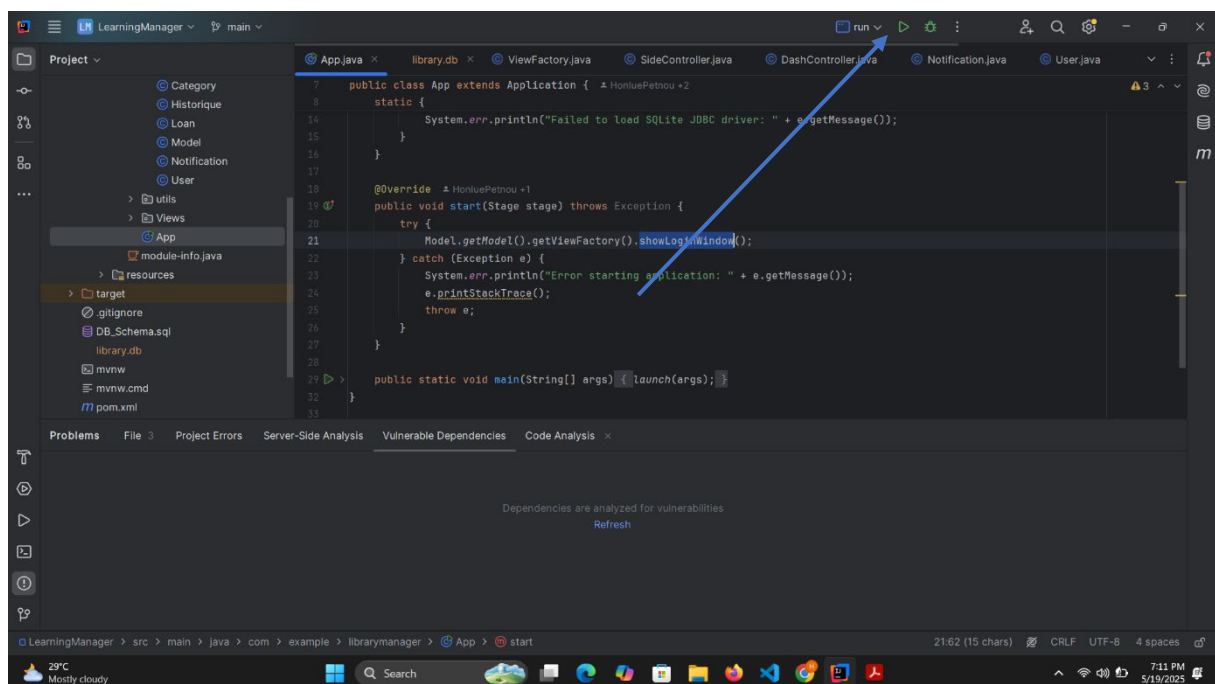
Upon first launch, the application will:

1. Create a local SQLite database
2. Prompt you to create an administrator account

Getting Started

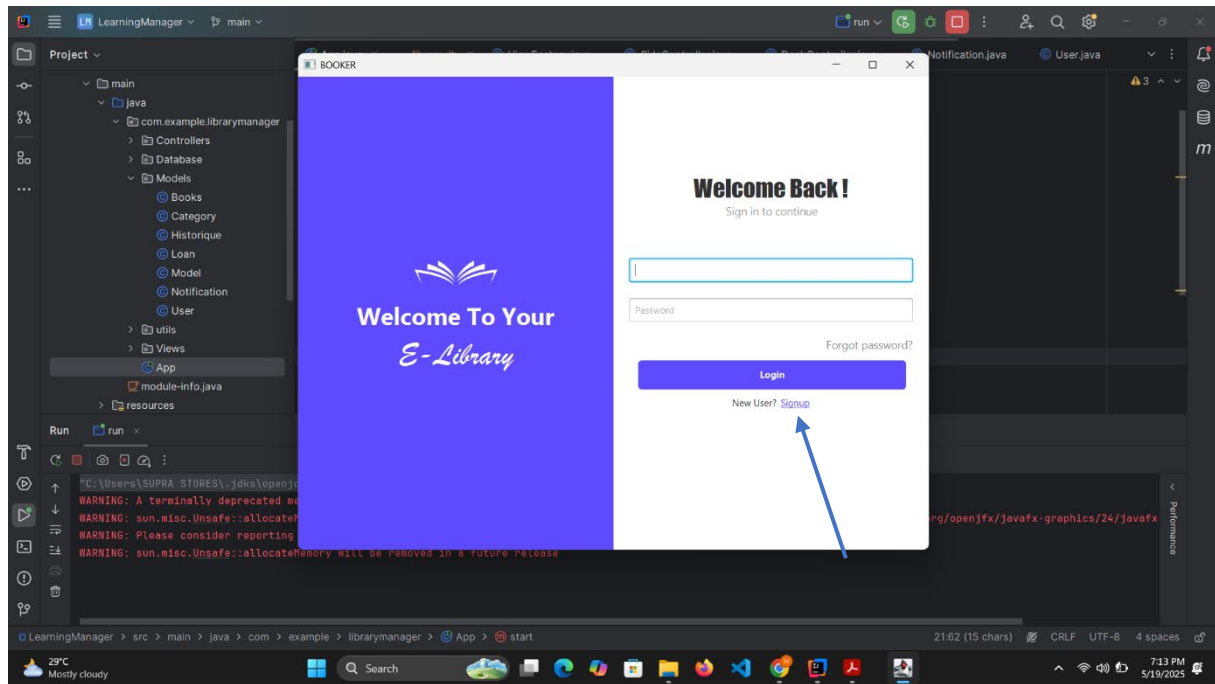
Launching the Application

- Double-click the launcher in your code editor

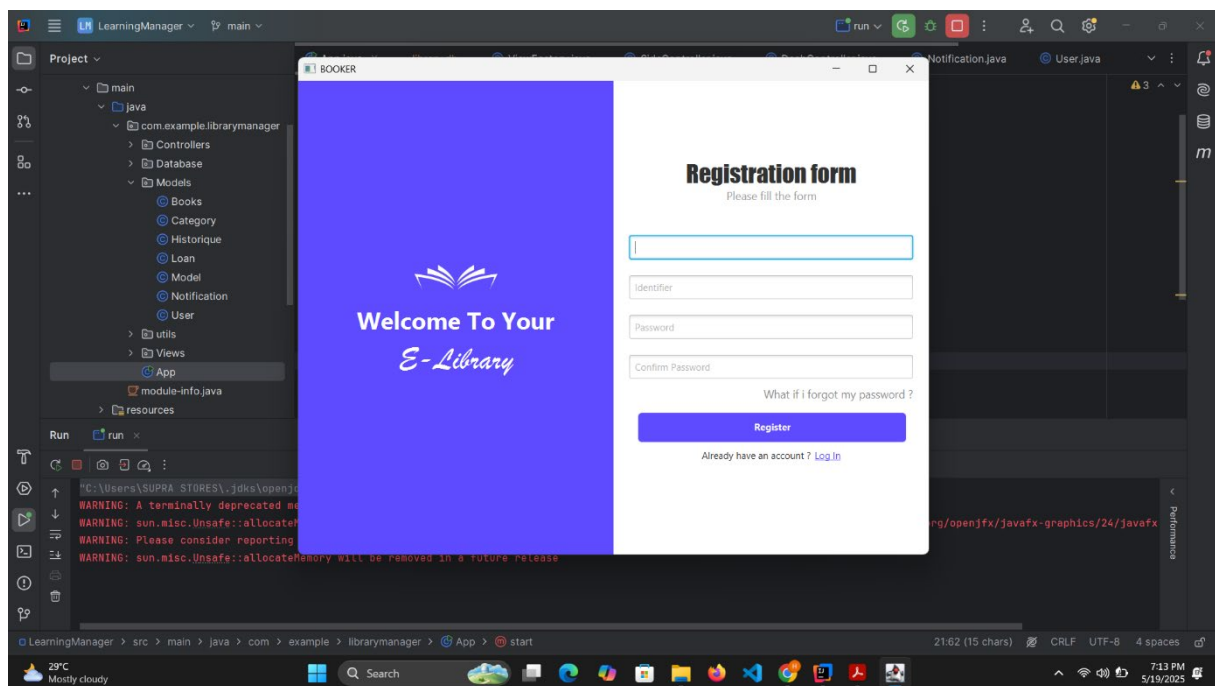


Initial Configuration

1. On first launch, you'll be greeted with a welcome Login screen
2. Follow the on-screen instructions to:
 - Create your profile using the Sign up link

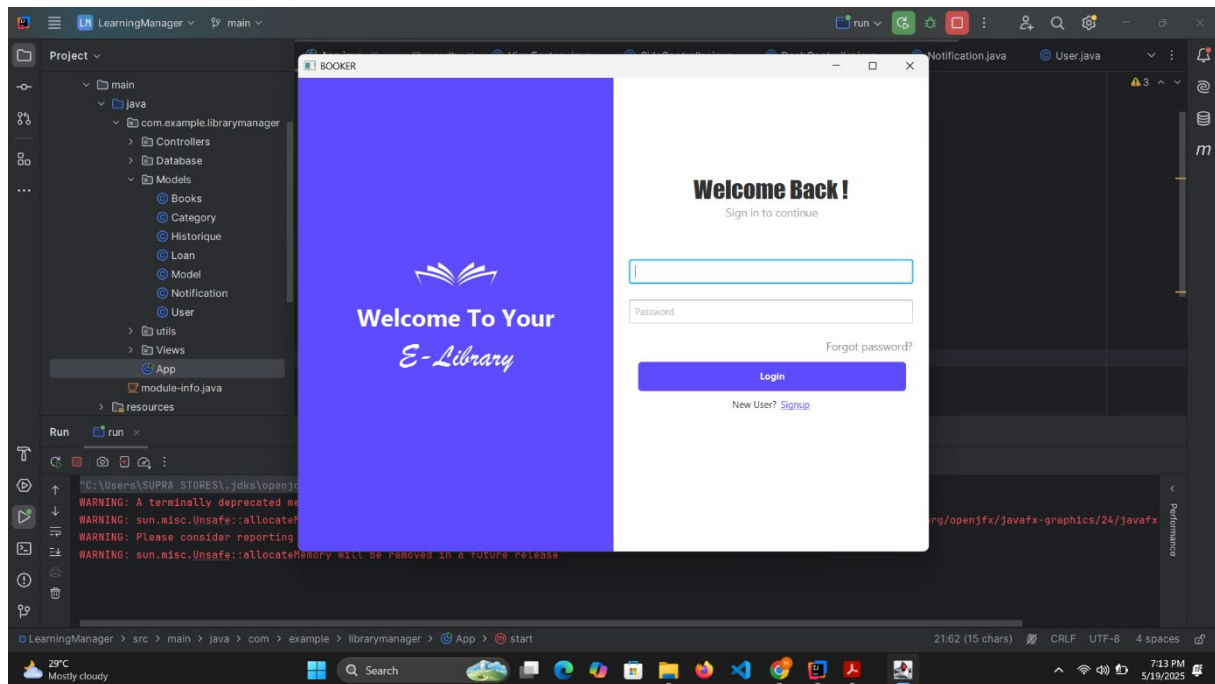


Registration Process



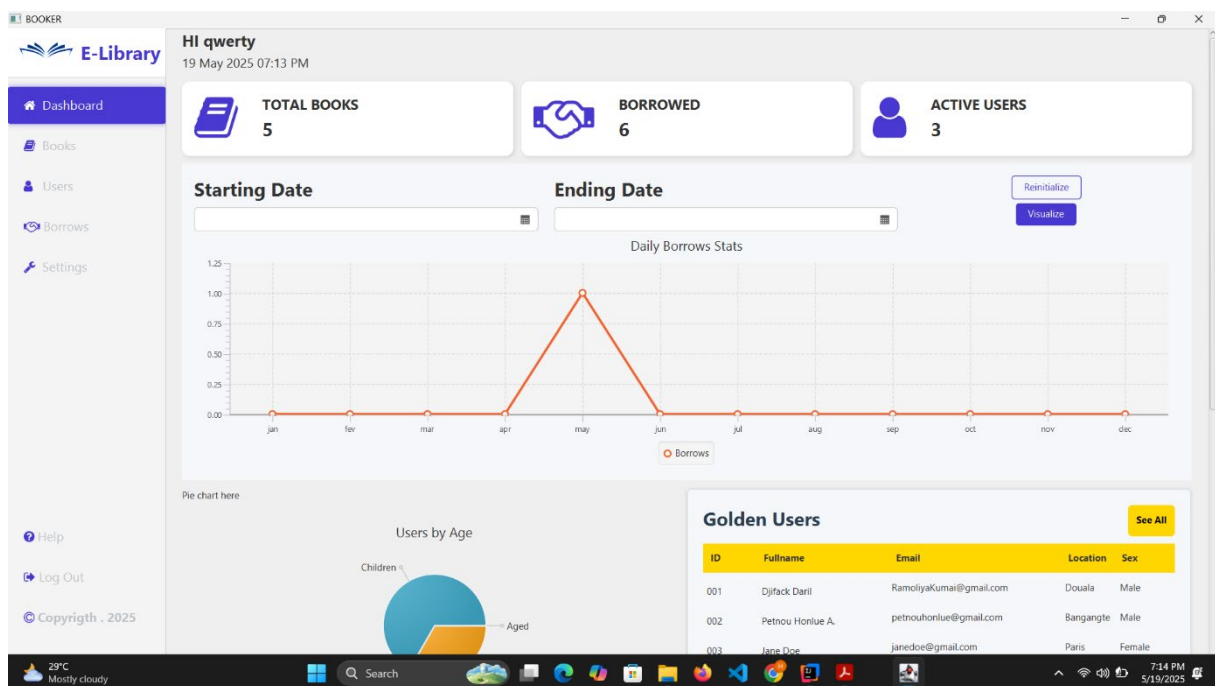
1. Fill all the fields
2. Submit it using the Register button
3. Then Login

Login Process



4. Enter your username and password in the login screen
5. Click "Login" to validate
6. The get to the main view

Main Dashboard



The main dashboard is your central hub for accessing all features:

- **Navigation Menu:** Located on the left side, provides access to all major sections
- **Statistics :** There's a line chart and a pie chart for getting actualized data from the library
- **Content Area:** containing the most famous users and at the bottom the most loaned books

Key UI Elements

- **Cards:** Visual elements displaying summary information
- **Tables:** Organized data in rows and columns with sorting capabilities
- **Charts:** displaying data progression

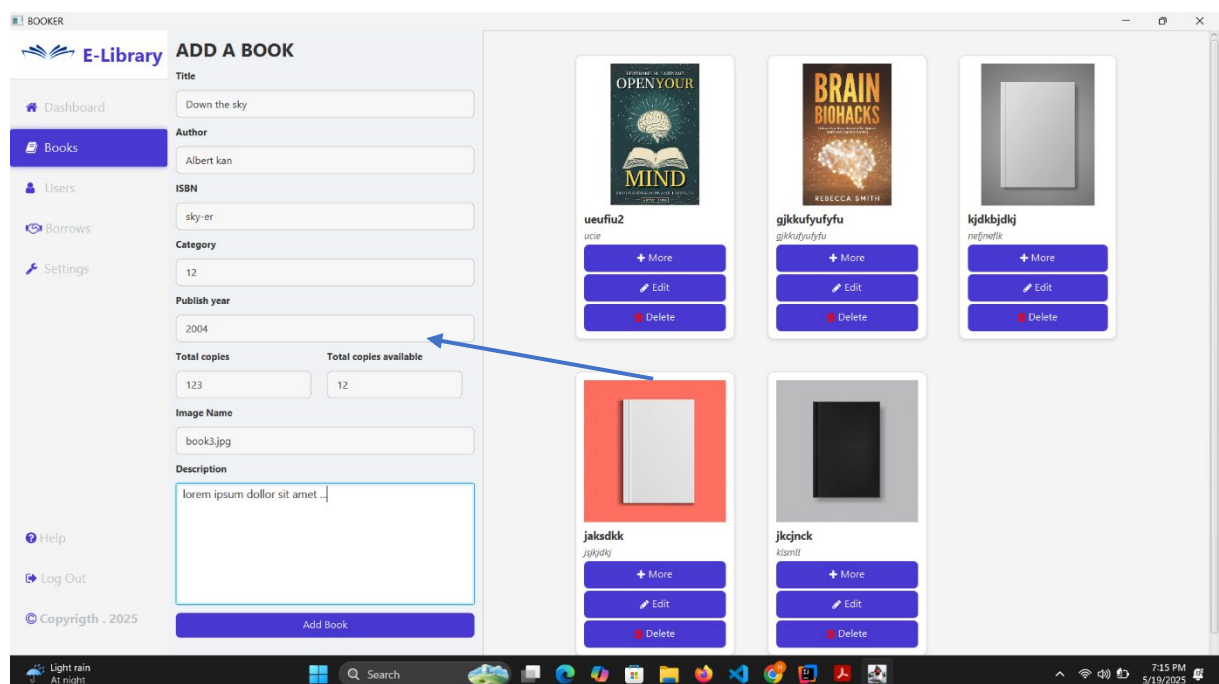
Features and Functionality

Features in the Book Page

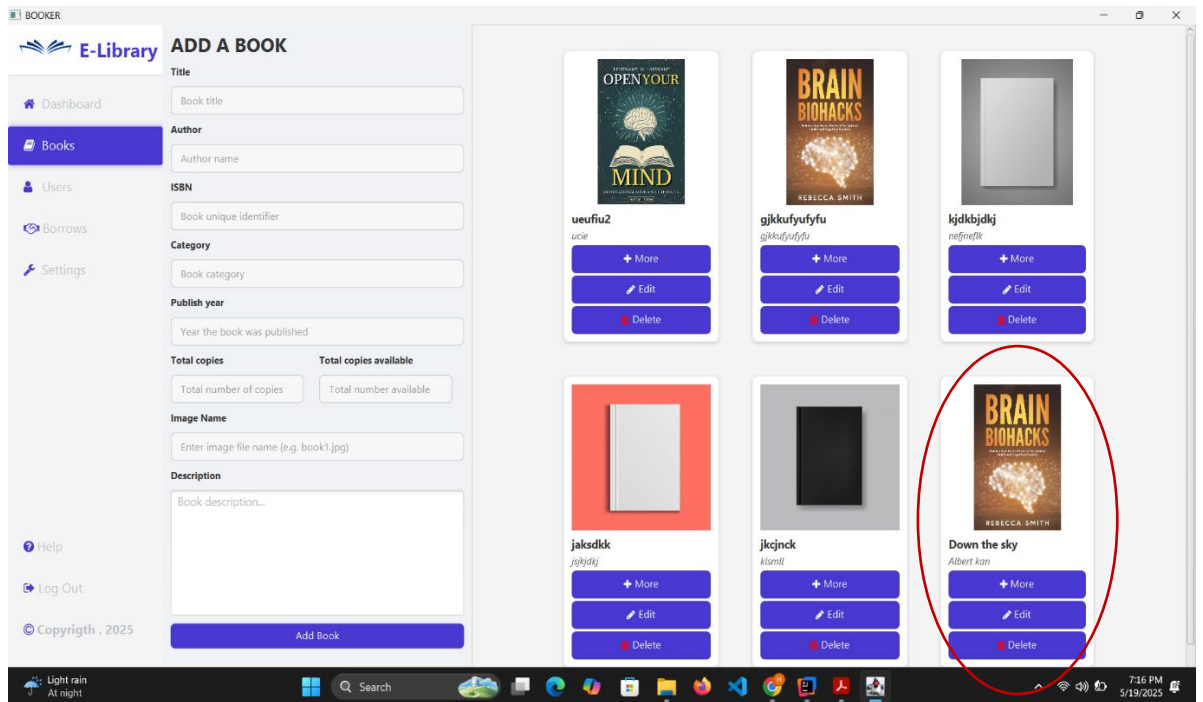
The Book Page provides comprehensive management features for handling book entries. Users can navigate to this section from the main menu to access these features:

1. Adding New Books :

- Navigate to the Books Management section
- Fill in the required fields: Title, Author, ISBN, Year, etc.
- Click the "Add Book" button to create a new book entry
- An alert will display to confirm the addition was successful

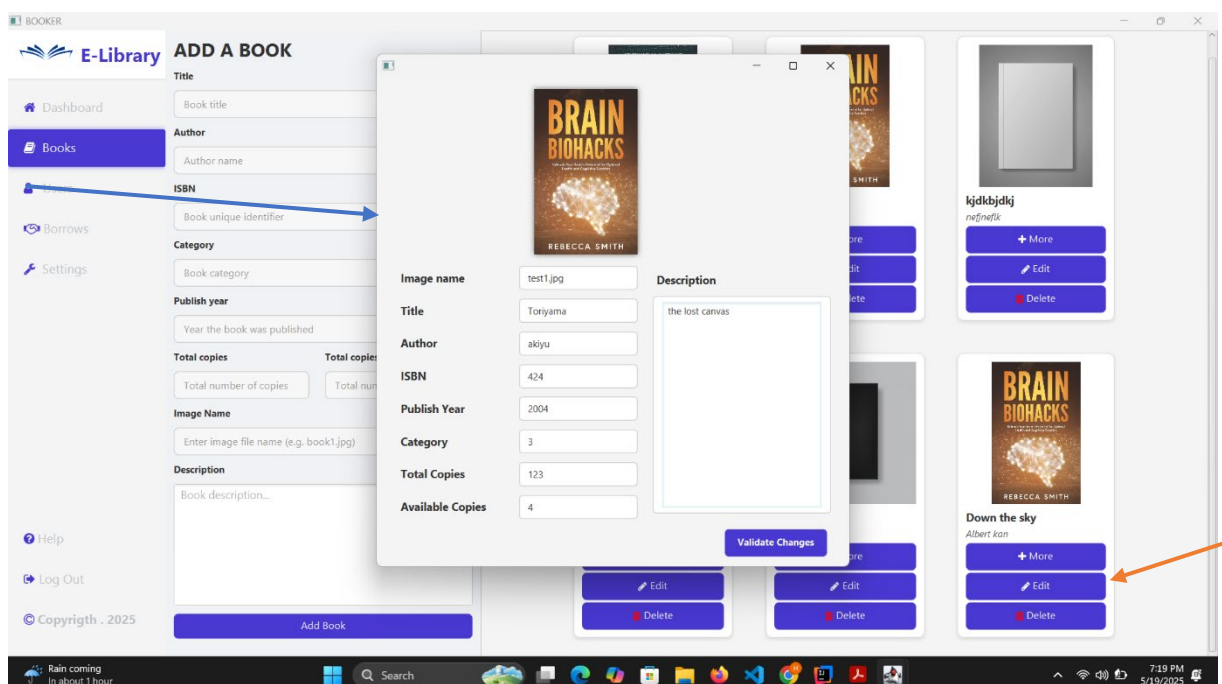


2. **Viewing and Managing Books** The existing books are displayed in a table view where users can View book and their details.

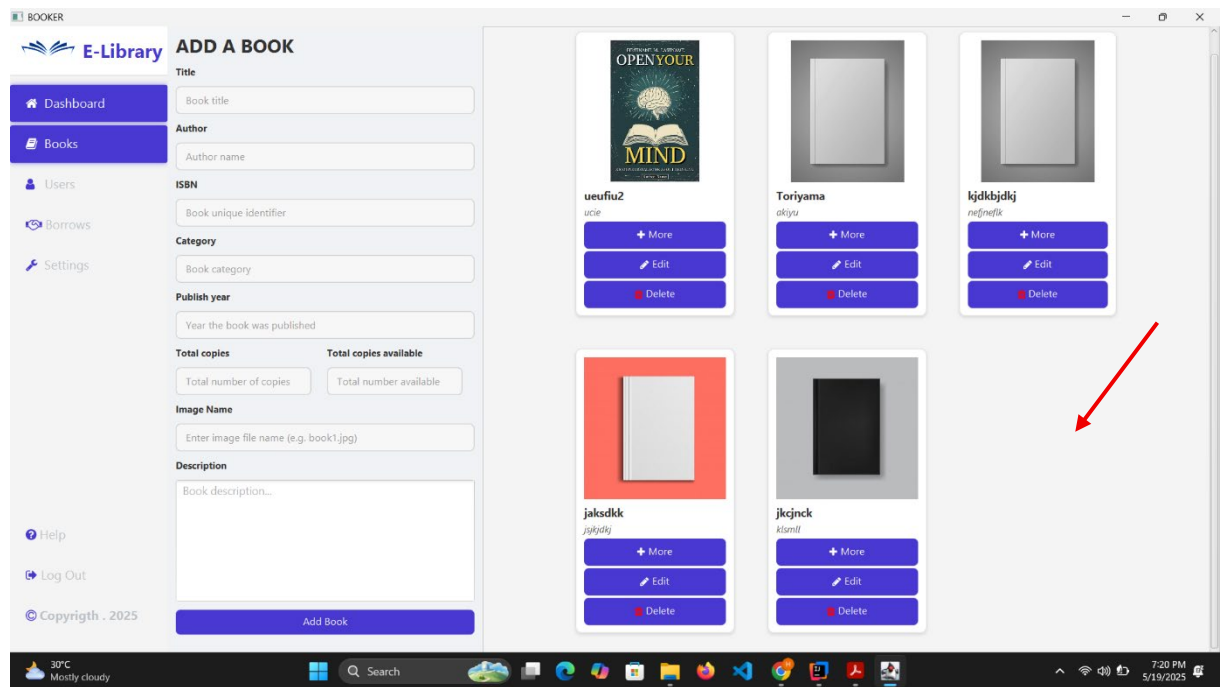


3. Editing and Deleting Books :

- Editing: Click the Edit icon in the call-to-action area at the bottom of a book card to modify its details
- Deleting: Click the Delete icon to remove a book from the system



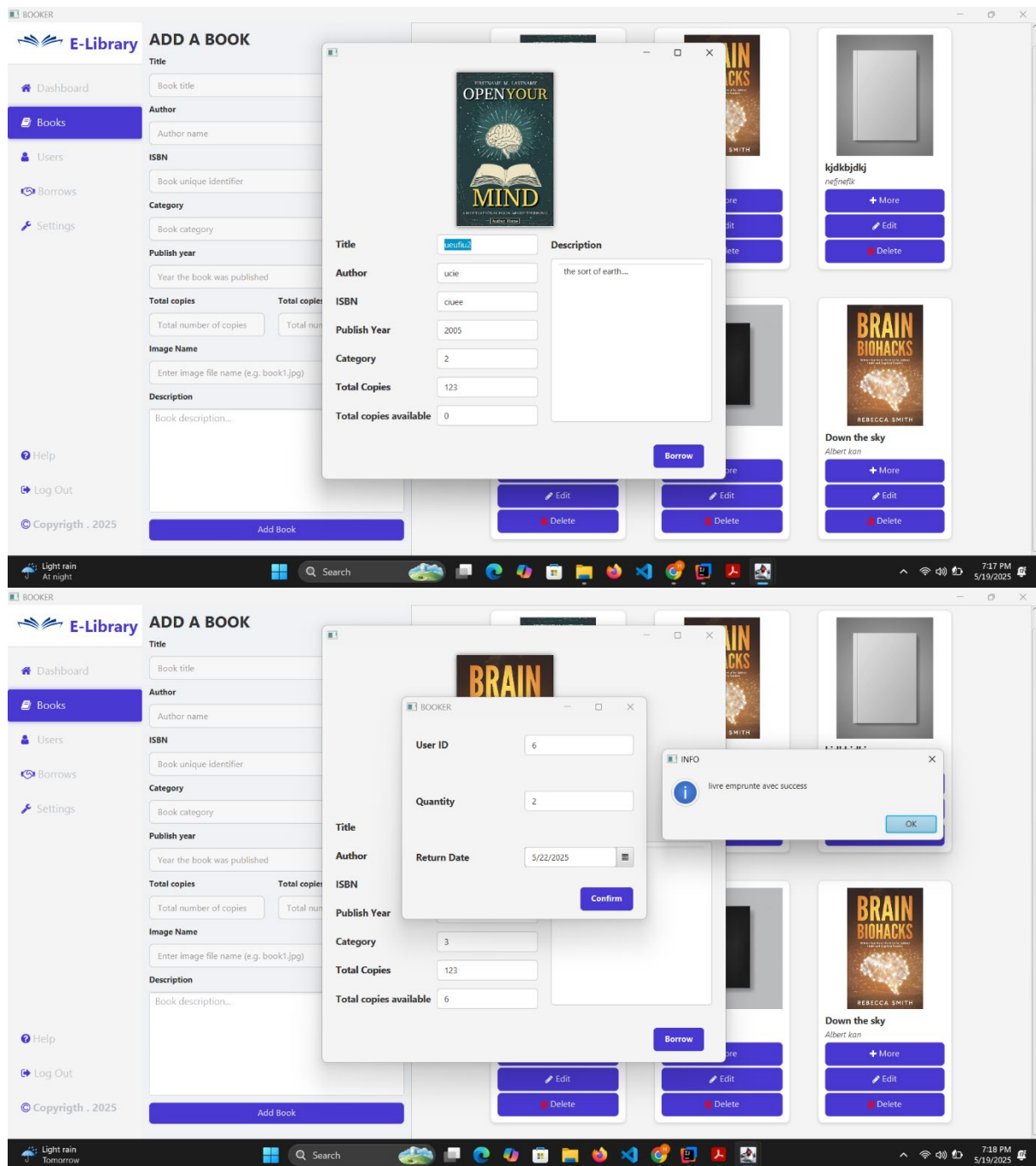
Editing a book using his edit call to action



Deleting a book using his delete call to action

4. Make a loan :

- Click on the "More" button on a book card to access book details
- Click the "Borrow" button to initiate a loan
- Fill in the loan form with required information
- Submit the form to complete the loan process



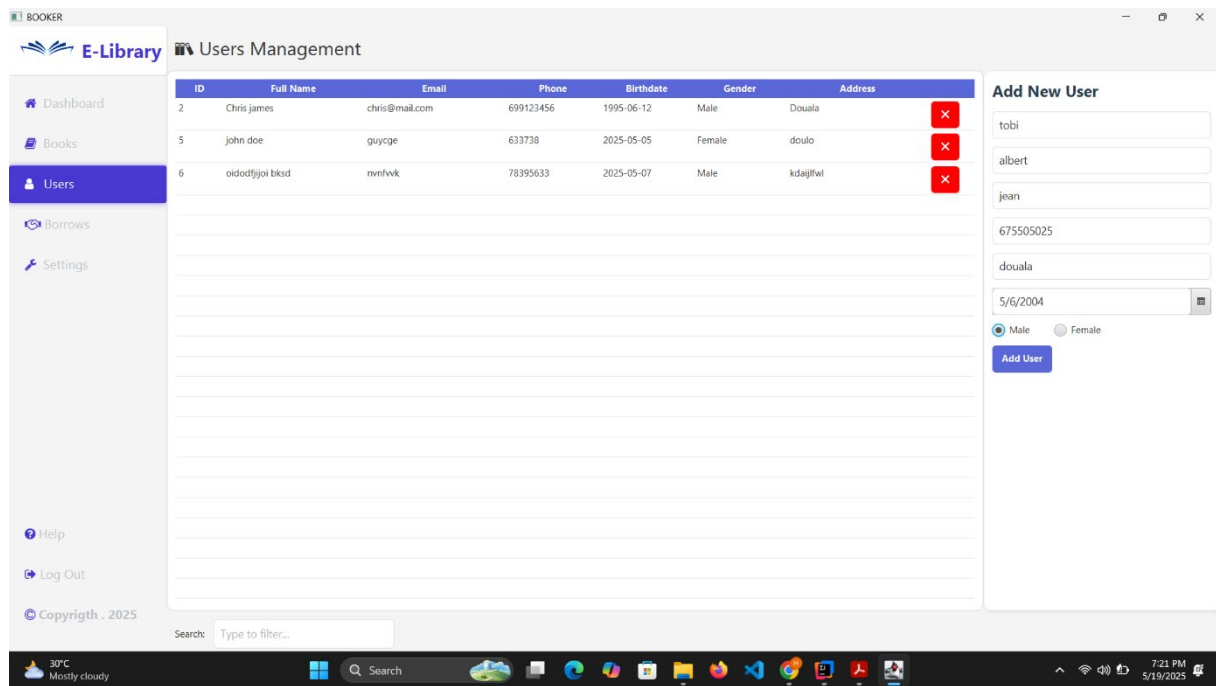
Features in the Book Page

The User Management section allows administrators to manage library patrons:

1. Adding New Users :

- Navigate to the User Management section
- Click the "Add User" button
- Fill in required fields: First and Last Name, Age, Number, Date, and Sex

Submit the form to create the new user

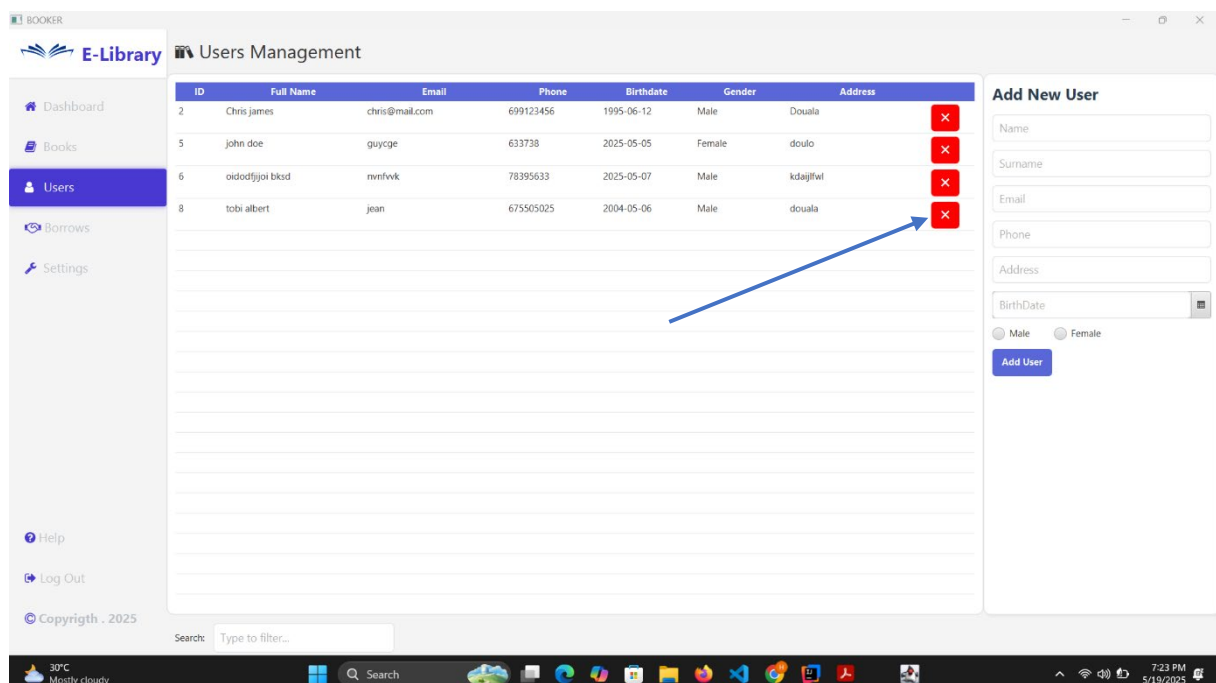


2. **Viewing and Managing Users** , The existing users are displayed in a table view where administrators can:

- Sort entries by clicking on column headers
- Filter users using the search bar
- View user details

(Like in the image up)

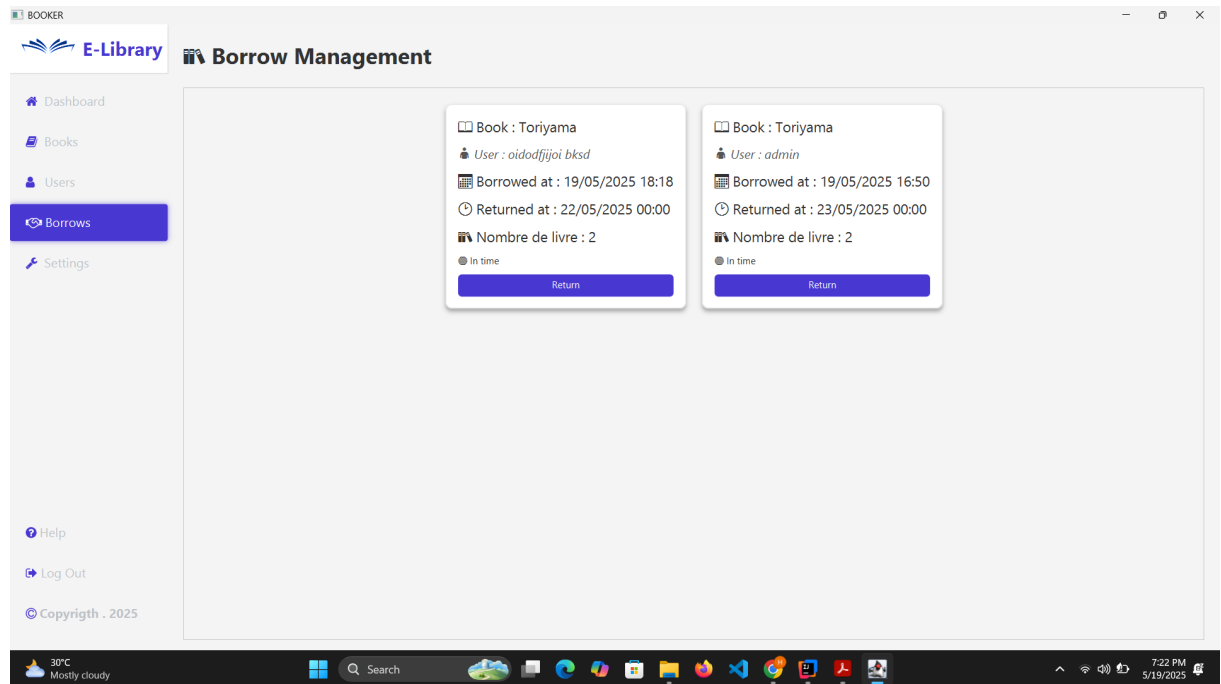
3. **Deleting Users** : Admin delete a user using the "Delete" icon .



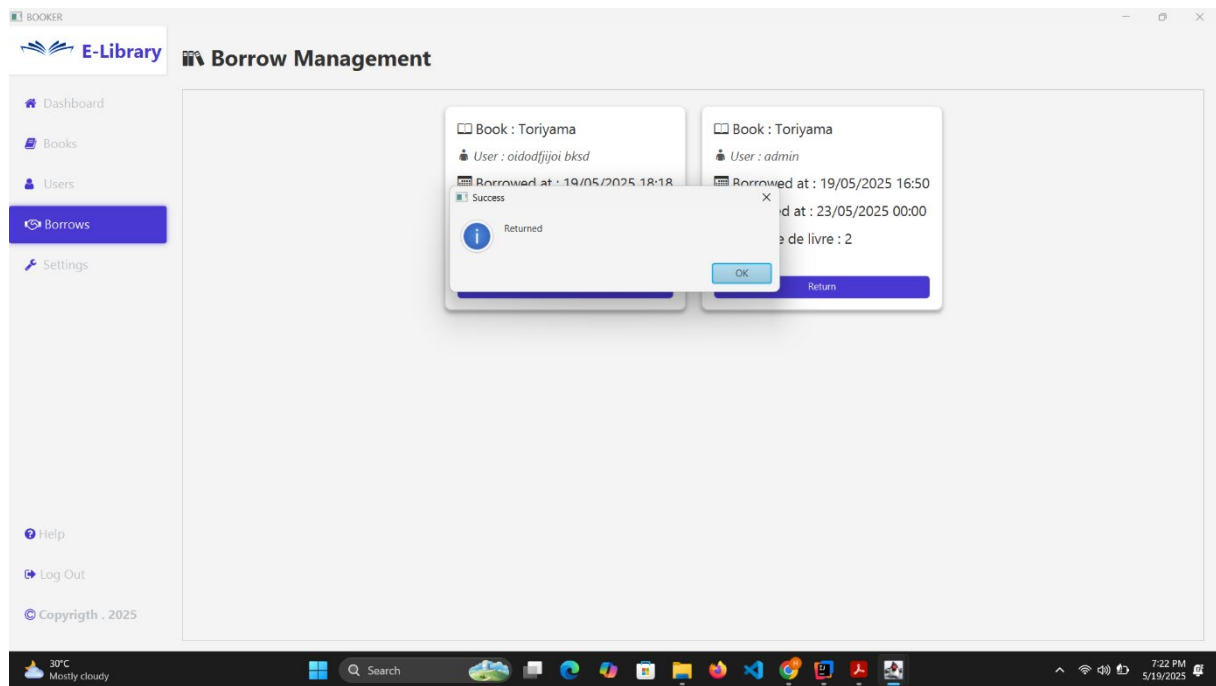
Features in the Borrow Page

The Borrow Management section allows users to track and manage book loans:

1. Viewing Loans : View loan details including borrower, book title, borrow date, and return date

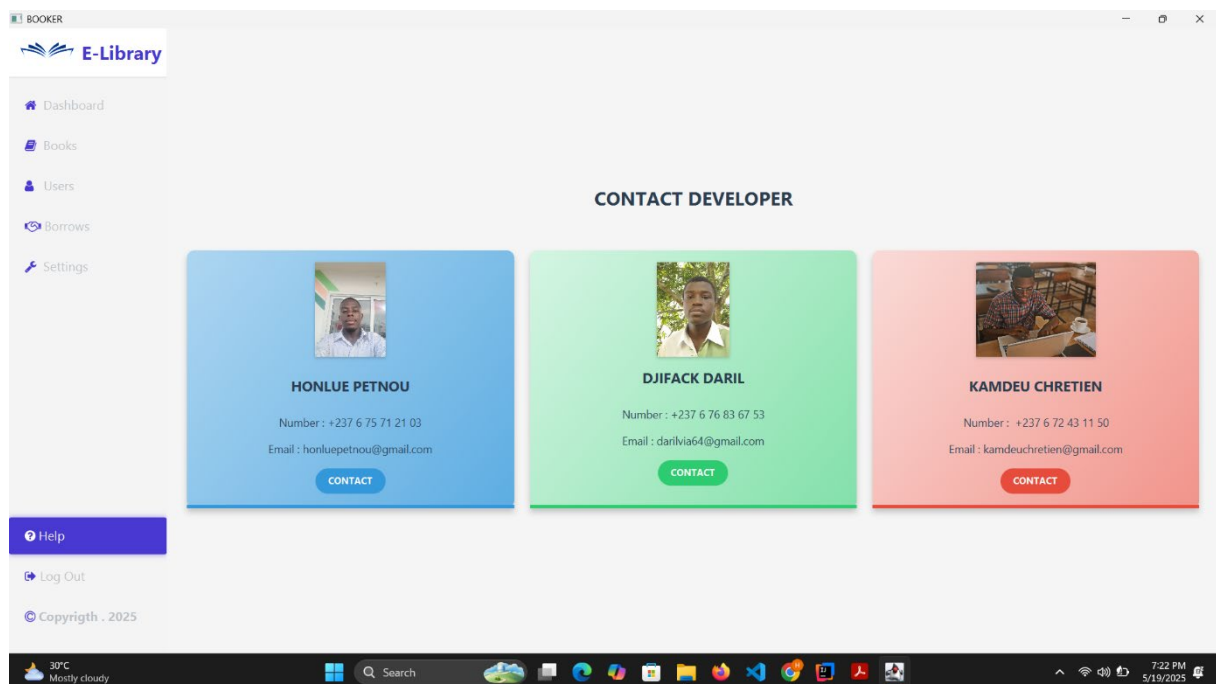


2. Managing Returns : Users can process book returns through this interface:
 - Locate the loan in the table
 - Click the Return button to register the return
 - Confirm the return action when prompted



Features in the help Page

The Help section provides assistance and guidance for using the LearningManager application:



FAQ

Q: Can multiple users work with the system simultaneously?

A: The current version supports single-Admin operation. Multi-user functionality may be added in future releases.

Q: How do I reset my password?

A: Contact your system administrator to reset your password.

Q: Can I export library data to other formats?

A: Currently, the system doesn't support direct exports. This feature is planned for future updates.

Q: Is there a limit to how many books a user can borrow?

A: This depends on your library's policy settings, which can be configured by administrators