Project Name: Library Inventory System

Group Members:

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Language: Java

GUI: Java Swing

Introduction: The library Inventory System is about managing book inventories, including tracking book details, lending status, and borrower information.

Functionalities:

➢ **Add/Update Book Details:** Allows entry and modification of book information, including title, author, ISBN, genre, and quantity.

➢ **Search and Filter Books:** Enables searching for books based on various criteria and filtering them by genre or availability.

➢ **Lending History:** Reveals the lending history of each book.

➢ **View Inventory:** Displays a comprehensive view of all books in the system.

➢ **Track Lending Status:** Records details when books are lent out, including borrower information and due dates.

➢ **Return Books:** Facilitates marking books as returned and updating their availability status.

➢ **Overdue Alerts:** Generates notifications for overdue books, and the user can view all overdue books in a list.

➢ **Delete a Book:** When a book becomes permanently unavailable, the user could delete it from the system.

➢ **Save records across sessions:** All data will be saved in multiple .bin files.