

Library Management System

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Introduction

- Library management system is designed to handle basic library functions
- It provides a solution for libraries to organize books, for librarians to maintain user accounts and help users to search, borrow, and return books
- It keeps track of book registered, purged, borrowed, and return.

Attributes and Methods

- Admin:
 - Register_account
 - Purge_account
 - load/dump_account_db
 - Search_account
 - Borrow_book
 - Return_book

Attributes and Methods

- Library:
 - Attributes:
 - Library_Name, String
 - Library_ID, String
 - Register_book
 - Purge_book
 - load/dump_book_db
 - Search_book

Class and Methods

- Account:
 - Attributes:
 - Account_ID, String
 - Account_Name, String
 - Account_History, list of String
 - Methods:
 - Get/ set_account_id
 - Get/set_account_name
 - Get_account_history
 - Update_account_history

Class and Methods

- Book:
 - Attributes:
 - Book_ID, String
 - Book_Name, String
 - Issue_Date, Date
 - Author, String
 - Status, Boolean whether book is borrowed
 - Methods:
 - Get/ set_book_id
 - Get/set_book_name
 - Get/set_author
 - Get/set_status

Tests