

User Guide

January 2019

Version 0.00

1 Introduction

1.1 Scope and Purpose

The Library management system is majorly designed for the librarians who need to manage the books, their check-in, check-out details, Loans, Borrowers information and the fines that are incurred in the process.

1.2 Process Overview

Major functionalities/ processes provided through this application will be:

- Searching through the books under author or book name.
- Checking out of a particular book under a student/borrower.
- Get lists of all books.
- Get borrowers information.
- Get to see the details of the outstanding loans.
- Checking in or return of the loaned books.
- Keep track of the fines.
- Get all outstanding, paid and unpaid fines information.

2 Work Flow

2.1 Books Management

- The Librarian has the facility to search for a given book details or search through the list of books using string keywords that could fall under either the book or the author name.
- After the search is completed, the Librarian can check a book that needs to be checked out.
- The checking will prompt a dialog box to the user for entering details of the student who's requesting the book.
- User has the provision to go back to search result or complete the checkout.
- If checkout is completed successfully, the user will be pointed affirmative.

2.2 Loan Management

- The user has the provision to look through all the outstanding loans.
- The user can also search through loans information using the student's card id, Book's Isbn information.
- After finding a particular outstanding loan, the user has the provision to click on the loan and return the book to register in the system.
- Again, she has the provision to go back or go on with the checkin process.

2.3 Borrower Management

- User has the provision of seeing all the borrowers' information.
- She can also create a new borrower (which included some constraints on creation.)
- User has the provision to cancel the creation of new borrower process or go on with it.

2.4 Fine Management

- User has the provision of updating the fines' summary. The update logic will run at the backend.
- User can see the fine summary of the loans that are not paid yet.
- User can also see the fine summary of the loans that are paid.
- User has a provision to pay for the fine through checking a particular loan row.
- She can partially/fully pay the fine.
- She will be thrown error if fine is already paid or current amount being paid is more than the due amount.