Project Milestone – 2

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Programming Language

Python 3.9

MySQL

HTML

CSS

Javascript

Third Party Libraries

Flask, python MySQL Connector

IDE Used

VS Code, MySQL Workbench

Overview

First, the data from the csv files was loaded into the database. Then using python and MySQL queries, the functional requirements were established.

Librarians are able to search for a book, given any combination of ISBN, title, and/ or Author(s).

Once found in a GUI search, be able to check out a book after being prompted for a BORROWER(Card_no), i.e. create a new tuple in BOOK_LOANS. The due date is 14 days after date out. Each BORROWER is permitted a maximum of 3 BOOK_LOANS.

Using GUI the librarian can create new users and the ID will be created automatically.

The librarian can even insert or delete books.

All the edge cases have been taken into consideration.

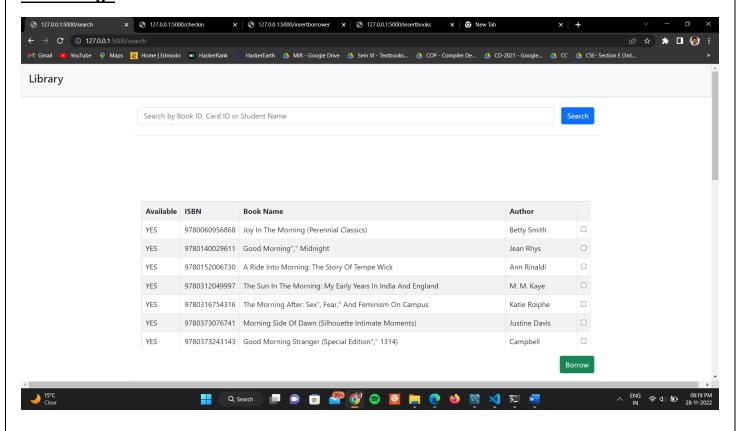
User Guide

Using search bar, search for the book either by ISBN, Book Title or Author Name and using the check boxes select any 3 books that you want to give to user. If user already has taken books, then make sure that a total of 3 books can be taken, appropriate messages will be shown. In the next page enter the ID Card number of the student you want to give the book to. The book will be assigned to them and be made unavailable in the database.

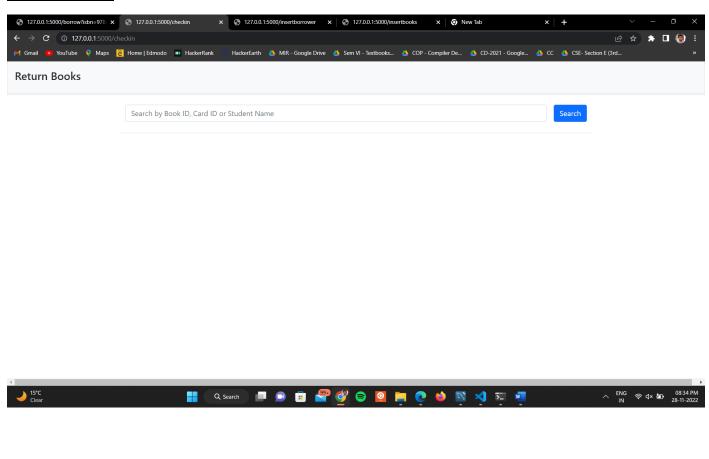
If you want to check in a book, search by book id, card id or student name and then select the record returned and check again if the student has paid the fine if any.

Librarians can even insert new books and borrowers into the database.

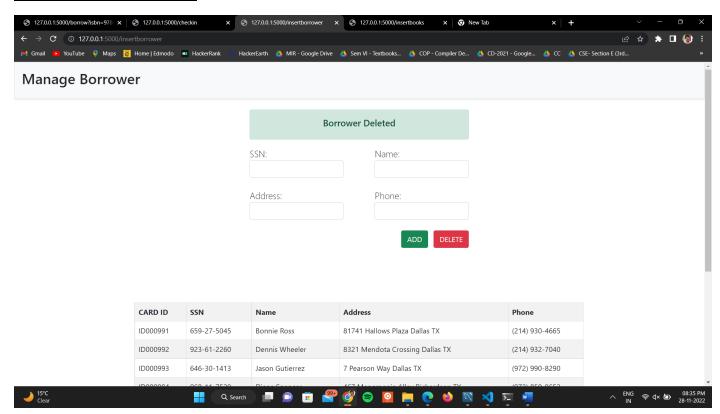
Search Page



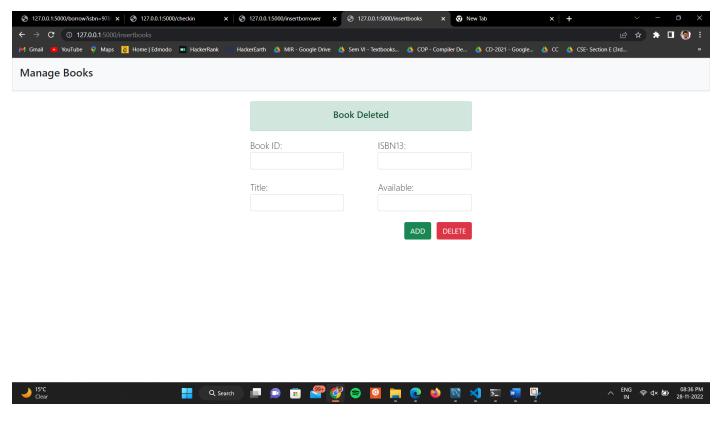
Check In Page



Manage Borrower Page

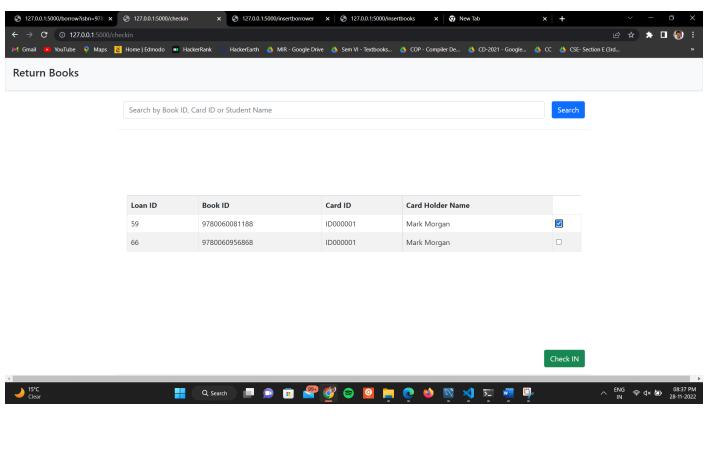


Manage Books Page



Borrow Page ③ 127.0.0.1:5000/borrow?isbn=978 x ⑤ 127.0.0.1:5000/checkin ← → **C** (**③** 127.0.0.1:5000/borrow?isbn=9780060956868 년 ☆ 🖈 🛚 🗐 ird Gmail 😎 YouTube 👨 Maps 👸 Home | Edmodo 💷 HackerRank 🥼 HackerEarth 👶 MiR - Google Drive 👶 Sem VI - Textbooks... 👶 COP - Compiler De... 👶 CD-2021 - Google... 👶 CC 👶 CSE- Section E (3rd... **Borrow** Card ID Loan ID ISBN Title Card ID Due Date **Date Borrowed** 59 9780060081188 2022-12-12 Mr. Lincoln's Wars: A Novel In Thirteen Stories ID000001 2022-11-28 66 9780060956868 Joy In The Morning (Perennial Classics) ID000001 2022-11-28 2022-12-12

Return Books Page



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