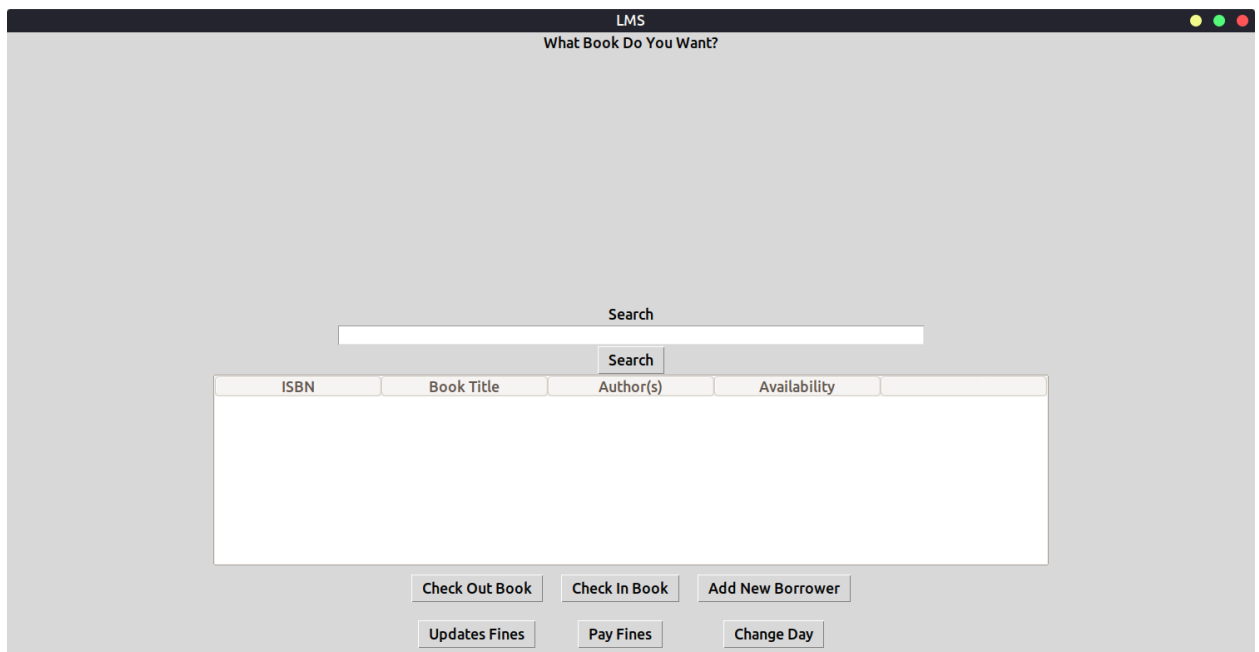


CS 6360: Database Design

Library Management System



I.

As soon as you open the application, you shall be greeted by your 7 options.

- You can search for new books using the search bar
 - Search results are displayed in a new window as follows

LMS
What Book Do You Want?

Search

Comid

Search

ISBN	Book Title	Author(s)	Availability
1565926730	User Friendly: The Comi	Illiad	Available
086316160X	Foucault For Beginners	Lydia Alix Fillingham, Mc	Available
0345442393	Peanuts 2000: The 50th	Charles M. Schulz	Available
0563384514	The Nation's Favourite	Griff Rhys Jones	Available
1563892464	The Tragical Comedy Or	Neil Gaiman, Dave McKe	Available
0785276890	Surprised By Laughter:	Terry Lindvall	Available
0743442628	Tickled Pink: A Comic N	Rita Rudner	Available
087754042X	The World Encyclopedia	Maurice Horn	Available
0786705337	The Mammoth Book Of	Mike Ashley	Available
074344261X	Tickled Pink: A Comic N	Rita Rudner	Available

- Search results are displayed in a new window as above
 - Partial query also is supported
 - The 4 fields are
 - ISBN
 - Book title
 - Book author(s) (displayed as a comma separated list)
 - Book availability (is the book currently checked out?)
 - Can search via either of the 4 fields for a book
 - Search is case insensitive
- Check out books once you have selected your books
 - Confirmation is provided to the customer
 - Databases are updated
 - Datetime of checking out is noted
 - Check in books once the customer has checked them in.
 - Confirmation is provided to both parties
 - Databases are updated
 - Datetime of checking in is noted
 - The fine is calculated based on the difference between checking in and checking out.
 - If there's new customers, add them to the existing borrowers database.
 - Information required is
 - Card_id Ssn Bname Address Phone
 - Customers are added to the database
 - Change day to calculate the fine
 - Pay fines

- Update fines after they have checked in the books

Thank you!