# **CSC289 Programming Capstone Project**

**Project Name:** Integrated Library System

**Team Number:** 7

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**Integrated Library System User Manual**

# Introduction

This Library management software is intended for library administrators to set up and host locally or remotely on an EC2 instance or similar. This software will allow users to view and search for books in a library and create an account to login and checkout or place holds on books.

# Getting Started

For *library administrators*, follow the installation guide. Afterwords login to the admin page of the site through the base URL you have chosen followed by /admin.

Here you can add books and manage users without the need for directly accessing the database.

For *library patrons*, after accessing the site you will be presented with a home page from which you can continue to account creation or the book catalog. Performing actions that require an account will redirect you to the login page.

# Features Overview

**Home:** This page features a book of the day included in the library catalogue along with descriptions.

**Create Account:** Follow the prompts on the screen to create an account taking head of the password requirements, and username restrictions.

**Login:** Login to this page with your created username and password

**Catalog:** Once logged in you can browse the inventory by searching for books in the search field or navigating via the numeric links at the bottom or the page.

**Reservations:** place a book on hold by selecting the “place hold” button to the right of the book. You will then see the hold expiration date.

**Check-out:** Check out a book by selecting the radio to the left of the book cover and selecting check out at the bottom of the page.

**User** – **Checked out books:** use this page to view your checked out books, check in books, and pay fees.

**User – Logout:** Logout of your account.

# Using the Integrated Library System

**Robust authentication method:**

After deploying the website users can create accounts that result in their credentials being safely stored using password salting and hashing

**Simple hold and checkout:**

Users can easily place 2 week holds on books to reserve them. Only those users may then check out that book and add it to their currently checked out books. Users have 2 weeks with a checked out book before they start incurring fees which must be “paid” before they can check it in.

# Troubleshooting

If you attempt to place a book on hold prior to logging in, you will be routed to the login page.

# Frequently Asked Questions (FAQs)

**Username Requirements:**

* 150 characters or fewer. Letters, digits and @/. /+/-/\_ only.

**Password Requirements:**

* Your password cannot be too similar to your other personal information.
* Your password must contain at least 8 characters.
* Your password cannot be a commonly used password.
* Your password cannot be entirely numeric.

# Support and Contact Information

Please create an issue on the GitHub repository found here:  
<https://github.com/DSDouglas/Integrated-Library-System>