AL Local Library Management System

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Even for a smaller locale, managing a public library involves the management of a large number of media and users reliably. This means keeping track of all inventory of various types (DVDs, CDs, books) including adding or removing items from inventory, managing users checking out or returning items, managing holds and waitlists for more popular items, and finding locations of items. Without proper management of inventory and space, problems will arise such as lost or misplaced items and cause major issues in the library's ability to continue to provide service to the community.
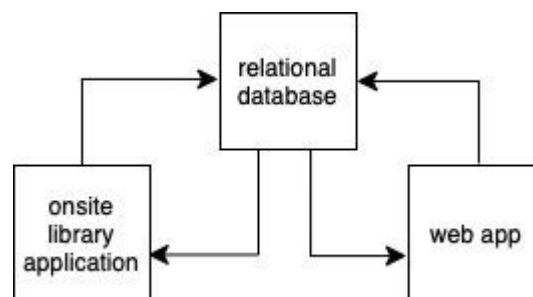
Website: https://github.com/apleonha/librarySystem

Demo: github.com/apleonha/librarySystem/5_DOCUMENTATION/video1360778089.mp4

Features: This system sets out to make resource tracking easy for library staff members by keeping real-time records of the location and status of resources and to allow visitors a way to search available resources and manage their checkouts, reservations, and fees from home.

Consisting of both a web application for remote user access and a traditional application for staff members, the system accesses a relational database in real time to aid in the following use cases:

- Checking out and returning items (onsite)
- Placing holds or reserving items at (onsite)
- Viewing holds, checkouts, and checkout history – onsite or remotely
- Users can search the library's catalogue and view availability from their own device