

## Tool Lending Library

### Description

The Tool Library helps members make repairs to their homes and gardens by loaning hand tools and power tools for 1-7 days. Up until now, the library has been managing its inventory of tools using a database designed by one of its volunteers. The Tool Library would now like a system for keeping track of tools that have been loaned to library members. The existing database will need to be extended to keep track of loan information and an application interface needs to be developed to allow librarians who don't know SQL to record loans and returns.

### Project details

- Category: General
- Difficulty:
- Suggested stack: Not specified
- Approval status: Approved

### Target users

Library Member

Librarian

### Tags

MVP, Notes, Optional

### User Stories

List

As a library member or librarian, I can view the tool inventory and see a list of tools available to be loaned.

Log in

As a library member, I need the ability to log in so that I can use the system to manage my personal information.

Librarian Log in

As a librarian, I need the ability to log in so that I can use the system to help patrons check tools out from the tool lib

Add to Shopping cart

As a librarian, I can add tools to a shopping cart for a member so that it's easier to loan multiple tools at once.

View Shopping Cart

As a librarian, I can add tools to a shopping cart for a member so that it's easier to loan multiple tools at once.

### View Checked Out

As a librarian, I can view a list of all tools that are currently checked out and to which library member.

### Tool Search

As a librarian, I can find and view an existing tool loan record by looking up the borrower's name, driver's license, or tool number.

### User Register

As an anonymous user, I need to be able to register to access the system.

### User Tool Search

As a user, I need to be able to search for tools that are available to be checked out for I can complete the project I want to work on. I also need to be able to search for tools that are checked out and when they might be available.

### Checkout

As a user, I need to be able to check out a tool item from my shopping cart for my use.

### Status

As a user, I need to be able to check on the status of the items I have checked out to determine due dates, the list of items checked out, etc.

### User Add to Shopping Cart

As a user I need to be able to add items to a shopping cart for subsequent checkout.

### User Tool Reserve

As a user, I need to be able to reserve a tool that is currently checked out so that it cannot be renewed.

### User Tool Renewal

As a user, I needed to be able to renew a tool checkout unless some other user has reserved it. There will need to be a maximum number of renewals per tool checkout.