Summer 2019: Capstone

Community Lending Library

Capstone: Summary of what will be covered

- Introduction
 - Inspiration for the project
 - Some challenges that I faced
- Review the anatomy of the site
 - Listing Pages and Item Details
 - Search
 - Request / Checkout Funnel
 - Administrative Pages
 - Notification Emails
 - User Registration & Profile
- Upcoming features
- Questions

Capstone: Listing pages and Item Details

Listing pages

- All Items homepage
- Item Listings by Category
- Item Listings by Owner
- Search Results Listings

Detail page

- Item Details Page (*design in-progress*)
 - Replacement Cost is the only item detail not shown elsewhere

Capstone: Search

Search Fields

- Title: full-word search using regex
- Description: full-word search using regex

No Results Suggestions

- The page is a mockup (hardcoded results for "wagon")
- The original idea: show local results from Craigslist
- Other idea: Sponsored search results (Next Adventure for Camping)

Capstone: Request / Checkout funnel

- Request an item (homepage, search, category, owner pages)
 - o Borrower <u>browses</u> or <u>searches</u> for an item and <u>submits</u> a checkout request
- Approve an item request (My Requests page)
 - Owner sets a Due Date when <u>approving</u> the item request
- Deny an item request (My Requests page)
 - Owner selects a Reason for <u>declining</u> the item request
- Check In an item (My Items page)
 - Owner checks item in (Completed Date is set automatically)

Capstone: Administrative pages

- Pending Requests
 - Requests from Borrowers for your items
- My Checkouts
 - Your requests for and checkouts of other Users' items
- My Items
 - Your items (including request/checkout history, Check In button)
- Manage Items
 - Add, Edit, and Delete items from the catalog

Capstone: Notification Emails

A user updates their information User

A user updates their password User

A borrower requests an item Borrower & Owner

An owner declines an item request Borrower

An owner approves an item request Borrower

An owner checks in an item Borrower

An owner adds an item Owner

An owner edits an item Owner

An owner deletes an item Owner

Capstone: User Registration & Profile

Registration

Leverages Django's built-in User system

User Profile

- Edit first & last name, email
 - Maybe allow edits to username in the future
- Change Password
- Check Existing Password
 - Note: This is a leftover from development and testing

Capstone: Upcoming Features

Location-based results • Registration confirmation step • Asynchronous email delivery • Owner-initiated checkouts • Batch Request/Checkouts • Private share groups (teams, hobbyists, etc) • Integration with Craigslist • Partnership or sponsorship • Moderation/moderators • Ratings for owners & borrowers • Allow multiple images per item • Resize large images • Add more categories • Reporting per item or owner • Late fees & online payments • Due Date extension or unlimited • Reservations for an item • Message board or way to request items not in catalog

Improve mobile and tablet experience • Use Materialize, Bootstrap, or Vue.js • Switch to PostgreSQL or MySQL

Capstone: Questions?