Shopping List

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Description

The Shopping List app allows users to quickly create and edit lists to allow for a smooth shopping experience. Once logged in you can view and customize lists from anywhere and mark items complete once you've purchased them. You can also edit quantities of items needed and add tags to group items together or mark which aisle you can find them in!

Features

- Ability to Log in, and Log out
- Create multiple lists
- Add items to a list
- Create Tags
- Assign tags and quantities to items
- View only lists that you created

Planning – User Stories

- As a busy parent I would like to be able to create an account, so that I can access the lists from anywhere
- As a consumer I would like to create an item so that I can add it to the shopping list
- As a shopper I would like to create a list so that I can group/organize my shopping items
- As a shopper I would like to customize items to make the list easier to read

Planning - Database

- We created different tables for the different models so none got too large.
  - Items, Lists, Tags, Users
- We have a few different relationships
  - One-to-Many: Users & Lists, Lists & Items
  - Many-to-Many: Items & Tags

Technology Stack

- Java
- Spring Boot with Spring Security
- Thymeleaf and Bootstrap
- MySQL

Demo

What I Learned

- Spring (Especially Spring Security and Validation)
- Capturing HTTPSession info to tie lists to users
- Environmental variables

What's Next

- Enable searching and sorting
- Allow users to change their color scheme
- Update the user interface
- Allow deleting or completing of entire lists
- Remove tags