Easy Shopping List

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Description

- Web application to create a portable grocery list that can be shared among members of a household.
- A database of items is created by the user and these items can be placed into customizable grocery lists.
- When a user shops, the item is updated with a date time-stamp to help eliminate guesswork when grocery shopping.

Features

- Ability to create, edit and delete user account with email confirmation.
- Ability to create, edit and delete items from account.
- Create a grocery list with ability to edit, delete and add items to it.
- Make a checklist when shopping that will populate and display the last time an item was bought.

Planning - User Stories

- Motivated by my household where we are constantly needing to call, text to confirm what groceries are needed for different stores and losing track of when different foodstuffs have been bought.
- Especially useful for households where multiple people may go shopping. The website provides an easy to access grocery list that is shared and updated. No more waiting ten mins because you have to wait for confirmation on what items might be needed!
- A user can easily reference when an item was last bought and avoid accidentally doubling down on groceries because a partner picked up groceries on the spur of the moment.

Planning - Database

- A user database that stores usernames, emails and password hashes.
- An item table that stores the items with a foreign key to the user and to grocery lists.
- A grocery list table that stores grocery list names with foreign keys to both user and items.

Technology Stack

- Java 11
- Spring Boot
- Thymeleaf
- MySQL
- Bootstrap

Demo

What I Learned

- Clearer grasp of Java persistence.
- Better understanding of bootstrap and how to override it.
- Spring Security - specifically how to unblock pages.
- Verifying emails to activate accounts.
- Creation of service classes to handle functions to DRY out my controllers.

What's Next

- Ability to display the information by item categories. That way it can roughly map to grocery aisles and streamline the shopping experience.
- Add ability to sort the data directly from the table.
- Currently, a user can only add a single item to already created list. Plan to add the ability to add multiple items to the list.