

Closet Tracker

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Description

Organize your closet in style with this remote closet-tracking app. Closet Tracker allows users to view their closets while away from home, which helps with outfit planning and prevents waste when shopping for new items.



Features

- Account creation and authentication
- Add, edit, and delete items with select information & images
- Password recovery



Planning - User Stories

As a user, I need to create an account, so that I can login to use the application securely, only seeing my own items.

As a user, I need to be able to upload, edit, and delete items in my closet to keep my wardrobe up-to-date.

As a user, I need to upload photos of my clothing items, so I can have a visual representation when viewing my closet remotely.

As a user, I need to recover my password, so that I can access my account if I have lost my password.



Planning - Database

The User table lists information on users, including id, username, email address, and hashed password. It is connected to the Item table through the user id associated with the item. The Item table lists item information, including item id, color, image, name, season, size, and type. The connection between the User table and the Item table allows the user to see their items and no one else's when they log in.



Technology Stack

- Language: Java
- Framework: Spring Boot & Bootstrap
- Templates: Thymeleaf
- Database: MySQL
- Libraries: Spring (Email, Validation, Security, Persistence, MySQL)



Demo



What I Learned

- Deeper dive into authentication (user account creation, edit, reset)
- How to handle and work with images (db and web page).
- Redirecting Thymeleaf templates between multiple pages
- Working with a group project via Git
- SCRUM meetings and delegating work within a team of coders
- Working with table joins to connect users and items



What's Next

- Make closets searchable and sortable using different criteria (e.g., color, type, season). Once users have a lot of items stored, this feature would help users find specific items quickly.
- Add a calendar element. This would help users track which clothes they wear the most often and plan future outfits.
- A social feature would allow users to add friends and see friends' closets.
- An e-commerce element would allow users to swap or sell clothing items they no longer use.

