

PillPal

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Description

- ▶ Web application that allows users to create an account, add, and keep track of their daily medication.
- ▶ Ability to put in details on each medication, with user notes.

Features

- ▶ Stores user session by cookies.
- ▶ Allows users to create accounts.
- ▶ Allows users to add and delete medications stored in a database.
- ▶ Search a users database for a specific medication
- ▶ Sort user's medication based on time of day.

Planning - User Stories

- ▶ Inspired from watching my mom bring my Grandma to live with us from California. She sits down every Sunday morning with folders of papers and bags of pills to fill my Grandma's pill boxes with her medication.
- ▶ Useful for people that have to keep track of large amounts of medication, and their restrictions, so they don't get any confused.

Planning – Databases

- ▶ User table that stores the username, email, and password of an account.
- ▶ Medication table that stores all medication with their details associated with a user.

Technology Stack

- ▶ Java 8
- ▶ Spring Boot
- ▶ MySQL
- ▶ Thymeleaf
- ▶ Bootstrap

Demo



Home Page

PillPal Home Add Medication Sign Up | Login Search

My Medicines

Morning

- Vitamin B
- Allegra
- TEST

Afternoon

Evening

- Magnesium

Night

- That lean
- Simvistatin

[Remove Medication](#) | [Logout](#)

Add Medication

Name

Dosage

Time

Pill Number

Script Number

Description

Medication Restriction with Current Prescriptions

Dietary Restrictions

Notes

Add Medication

What I Learned

- ▶ Creating cookies to store and track a user session with.
- ▶ How to retrieve a user query from a database.
- ▶ Better understanding of Bootstrap and navbars.
- ▶ Better understanding of Thymeleaf and sorting by enums within the syntax.
- ▶ Better understanding of the role and use of a DAO.

What's next

- ▶ Allow users to edit a medication.
- ▶ Ability to put the same medication at multiple times of the day.
- ▶ Expand and improve the user interface/experience.
- ▶ Integrate a 3rd party API to search a broader database of medication beyond the user's stored medications.
- ▶ Deploy for use.