

Frame Inventory Database

Doug Urban
@durban9 on GitHub

Description

I am building a search function for an eyewear company that allows the company's associates to search the company's inventory. The associate will be able to search in myriad ways; via any store, make and/or model, or any other specification desired.



Features

- Search by a list of features
- Search by keyword(s)
- Search by individual stores



Planning - User Stories

As a user of this program, I can view the eyewear inventory of every store in the nation and a precise amount of stock.

As a user of this program, I can view the eyewear inventory based on frame manufacturer, style, and sizes.

As a user of this program I can view pictures of examples of each frame.



Planning - Database

The necessary tables will be Developers, Frame Inventory, Stores. The Developers will be able to manipulate the information from the back end, the Frame Inventory and Stores will be connected via a one-to-many relationship to show what frames will be at which stores, so that the program will return results from individual stores.



Technology Stack

- Java
- Spring MVC and FXML
- Thymeleaf
- MySQL



Demo



What I Learned

- FXML, SceneBuilder
- Connecting FXML and Thymeleaf to a local MySQL Database
- Creating User Profiles, Authentication and Authorization





What's Next

- Developing an accompanying GUI so that Developers can update, add, or delete instances within the tables.
- Further developing the GUI so that the Database Administrator may be able to add tables to the database, should that be a necessary thing in the future.

