ProductPal

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@Dec-22-LC-LiftOff-STL/productpal on GitHub

Description

We created a inventory management system to create and manage the various products carried by clients. Categories can also be created to sort the products based on similarities. It allows the users to adjust inventory when necessary to keep accurate records. We wanted to create something that could be used by and individual, or a small company, or someone who might want to sell goods out of a warehouse.

Features

- User Login
- Add Products
- Add and manage categories
- Search by product and category
- Create Upper and Lower thresholds

Planning - User Stories

- As a User, I want to create an account on ProductPal, so I can login and start using the tool.
- As a User, I want to make be able to search by name so that I can find a specific product.
- As a user, I want to see Categories in table format so that user can have option to view details of Categories.
- As a User, I want to have the ability to adjust inventory so if the amount of inventory has changed (lost, broken, user input error, etc.) the inventory amount can be corrected.

Planning - Database

In the Product_Pal schema, we have included tables:

- Product
- Category
- User

Technology Stack

- Language: Java, JavaScript
- Framework: SpringBoot
- Template engine: Thymeleaf
- Database engine: MySQL Workbench, Hibernate
- Other libraries or components: BootStrap, IntelliJ

Demo

What We Learned

- A lot more about Thymeleaf and the functionality
- New techniques of troubleshooting and how to locate the errors from the exception stack
- About working with DTOs.
- The importance of Annotations and Binding Objects
- Working with Optionals
- Working inside Github as a group
- How to work with a team

What's Next

- Dynamic Notifications to Reorder/Sale Overstock
- Adding more detailed views, including adding the ability to add a picture to your products, and how the user sees their products on the home page
- Enable searching by Thresholds
- Converting this into a mobile app
- Be able to see and log who our products are going to