Marketplace Metrics

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Description

For individuals who use Facebook Marketplace as an avenue to buy and sell goods, Marketplace Metrics allows you to track your total cash flow for inventory traded on the platform.

Through the application, you can add and delete items from an inventory database, view total inventory traded, and see a comprehensive view of your total cash flow.

I built this project to provide financial insight for a growing segment of users on Facebook who leverage the platform as an avenue to create additional income through local selling strategies.

Features

- Through registration and login, a user has the ability to create an account with a username and password, and login on a separate page to authenticate the session.

- A user can add and remove items from the inventory database.

- The app can display the full list of inventory, or show separate views to see only bought or sold items.

- A user can view the metrics dashboard detailing total cash flow from transactions within the app.

Planning - Database

Within mySQL, there is a primary inventory table that stores an item's name, price, and category (bought/sold).

This information is used to display categorized lists within the app for bought and sold inventory, as well as to calculate total cash flow using the data from the price column.

Technology Stack

- Java
- Spring
- Thymeleaf
- mySQL
- Hibernate
- ChartJS
- Bootstrap

Demo

What I Learned

- Bootstrap - visual design throughout app

- ChartJS - integrating scripts within HTML templates to display mySQL data through dashboard view

What's Next

- Improvements to app layout using Bootstrap

- Exploring ChartJS functionality for alternate cash flow dashboard view

- Adding additional form fields to inventory (i.e.: description, date bought/sold)