Internal Home Directory

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What is our project?

An inventory management system that allows users to assign places, values, and categories to items in their life. Our mission is to create a gamified inventory system that encourages mindful consumption

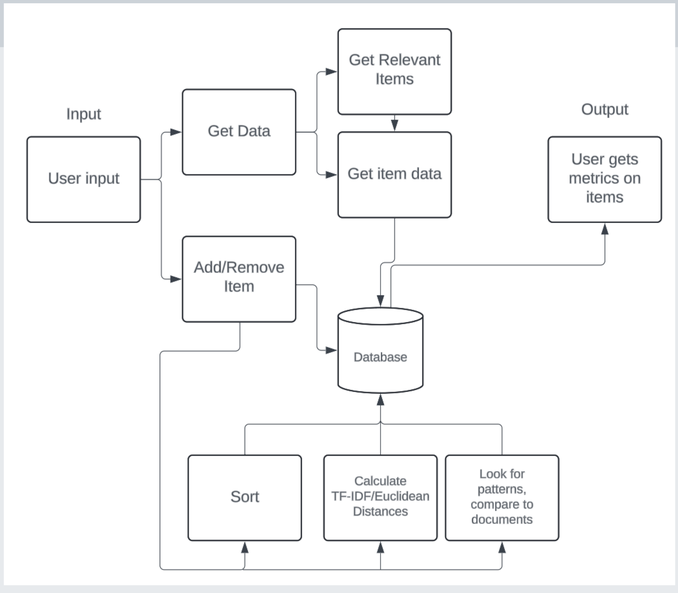
Our Stack:

Frontend — React JS, JS

Backend — python, SQLite

Challenges:

- Deciding on a structure for the application
- Maintaining security and confidentiality for users
- Designing a seamless and hastle-free experience for users
- Bringing the frontend, backend, and database together to create an application that is easy to deploy



The logical structure of our application

Obstacles:

- Learning new frameworks and programming languages
- Designing an application end-to-end
- Self-guided research and development
- Working on this project alongside difficult classes at the end of our CS curriculum

Impacts / Achievements:

- Created a functional application using frontend/backend frameworks and database for persistent storage
- Deployed an instance of the application at home for personal use and testing
- Potential to help users reduce waste, save money, and encourage more mindful consumption

Future Work:

- Design better looking UI components and cohesive theming
- Improve security and obfuscation of user data
- Allow for use of external scanning devices like barcode scanners
- Integrate with various retailer API's
- Expand use on mobile devices

Users will be able to scan barcodes and QR codes to catalog items