Final Project Proposal Group 1

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Both Kizzie and Savannah will act as duo managers since it is a group of 2.
Meetings will take place after class in Discord.

> ⭐ **Mission**
> Create an inventory management system for a retail store "Clothing For All".

Purpose

This system will be designed for a local retail store to manage its inventory efficiently. The system will include features such as

- Adding new products to the inventory with details such as name, description, category, price, and quantity.
- Tracking stock levels for each product.
- Recording sales transactions including the products sold, quantity, and total price.

Tools

Python programming language for backend development.
Django
GitHub for version control and collaboration.
Kanban board for project management and task tracking.

Classes

Product
- Attributes: ID, name, category, description, price, quantity.

Inventory
- Attributes: List of products.

- Add product, update product, remove product, get product by ID, get product by category, adjust stock levels.

SalesTransaction
  - Attributes: Transaction ID, list of products sold, total price.

Goals

1. Contain a graphical user-friendly interface that interacts with a minimum of three classes.
2. Utilize collections such as lists, tuples, arrays, and dictionaries.
3. Run without syntax or runtime errors and produce the correct results.
4. Documentation includes the proposal, class diagram, and report of results with sample output.

🔗 **GitHub - smithsav/SDEV220-Final-Project-Group1: Group repository for final proj...**
https://github.com/smithsav/SDEV220-Final-Project-Group1

🔗 **Kanban Board • smithsav**
https://github.com/users/smithsav/projects/5/views/1