# PF PROJECT IDEA SUBMISSION

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Project Name: Simple Inventory Management

# FEATURES

1. **File Handling:**
   * Use file streams (fopen, fclose, fprintf, fscanf) to store and manage inventory data.
   * Store data in a text file (inventory.txt) for easy access.
2. **Operations:**
   * **Add Item:** Append new items to the file.
   * **View Items:** Read and display all inventory items from the file.
   * **Update Item:** Search for an item in the file, modify its details, and save changes.
   * **Remove Item:** Remove a specific item by rewriting the file without the selected item.
3. **Exception Handling in C:**
   * Use conditional checks for:
     + File opening errors.
     + Invalid inputs (e.g., negative quantities or prices).

# Program Structure

1. **Main Menu:**
   * Provide options for the user to add, view, update, or remove items.
   * Include an exit option.
2. **Functions:**
   * addItem(): Add new inventory items.
   * viewItems(): Display all items.
   * updateItem(): Modify an item's details.
   * removeItem(): Delete an item from the inventory.
3. **Validation:**
   * Validate user inputs (e.g., non-negative numbers for quantity and price).
   * Handle cases where the file is missing or corrupted