

Fit Factory - Draft application idea and presentation

CSC3220 - Applications Programming - Dr. Denis Vickers

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Application Idea: “Fit Factory”

Our team proposes the development of a personal closet organization application called “Fit Factory”. This offline application will allow users to store and manage the details of their clothing items, such as color, size, brand, and season. Users can create outfits by combining individual clothing pieces, organize their wardrobe by categories, and track the usage and condition of their clothes.

Key Functionality:

1. Clothing Item Management
Users can “create” clothing details such as color, size, brand, material, season, and storage location. Users can view a list of all stored clothing items or search for specific ones based on filters like color, brand, or size, edit the details of existing clothing items, and remove clothing items from the database.
2. Outfit / Wardrobe Organization
Users can create and save outfit and wardrobe combinations by selecting individual clothing items.
3. Usage Tracking, Search, and Filter
Users can log when an item is worn and track how often an item is used. Users can also search for clothing items by name, category, or any other attribute. Filters will allow users to easily find items that fit certain conditions.
4. Database and Offline Functionality
All data (clothing items, outfits, and wardrobe sections) will be stored locally in a relational database, and will be able to be accessed offline.
5. Clothing Wishlist
Users can add clothing to a wishlist of clothing items to help them remember what type of clothing they would like to purchase in the future.

Technical Requirements:

- Platform: Mobile (Android/iOS) or Desktop (Windows/Mac).
- Database: SQLite (local relational database).
- Programming Languages: Java/Kotlin (Android), Swift (iOS), or Python/JavaScript (Desktop).
- No network connectivity is required; the app operates offline.

Benefits:

- Provides an easy way for users to organize and manage their wardrobe.
- Helps reduce decision fatigue by suggesting outfits.
- Tracks clothing usage and promotes sustainability by helping users make better use of their existing wardrobe.