

Family Food Shopping Organizer

Description:

An app for families, where members can create a common list to buy food and others can contribute to it and make edits in real-time. It allows family members to create a joint list of ingredients that can be ticked off when bought, so that all other family members are notified at the same time if someone adds or takes something out of the cart. The app will group items by food types (like Produce, Dairy, etc.) to help you zoom through shopping trips and avoid forgetting any items.

Database:

Shares the common ingredient list and the number/ category (ex: produce, dairy, pantry) and permissions of other family members. It can also remember your most purchased items for fast access and efficient list creation.

Screens:

Family Shopping List: A shared shopping list view where family members can see it and add-update-remove items. Things are categorized and show how many each category needs.

Favourites: A tab to save items that are purchased most to allow users to add these items in one tap.

History & Analytics: Displays past shopping trips, items bought very often, and trends over the month a guide to your spending behaviour and the ingredients as usual you buy most.

Service:

Notifications: Triggers when the list has been changed (such as adding or removing items) and provides a reminder of low-stock items based on previous shopping history.

Smart Suggestions: The app gives suggestions as the user types, the app brings items from previous lists and things that are frequently bought, making it easier to create a shopping list.

Custom Theme: A family-friendly approach with a warm palette (soft blue, green, yellow) contributing to a welcoming and accessible design.

ViewModel: Processes multiple users who can share the same list simultaneously with a few other users, along with live data syncing, notification settings for each family member, and Order of the list based on categories and user preferences. Key

Features:

Real-Time Updates: Lets family members simultaneously edit the shared list and depending on your preference, immediately sync on devices for easy access by everyone in the know on household requirements.

Food Type: Groups items into food categories (e.g., Produce, Pantry, Frozen) for easier grocery shopping and improved organization.

Favourites & Frequent Things: Stores your frequently purchased goods within a “Favourites” section, so you can add them to the list with a tap.

Notifications & reminders: Notifies family members when/if items are added, or checked off and sends reminders about items that are commonly used when they are running low.

History & Insights: Keeps a log of past purchases and trends in buying groceries, allowing a shopper to better plan a budget and see how often certain products are purchased in a month.

Designed for families: this app streamlines ingredient and food shopping list management through ease of use, efficiency and functionality with a design-centric approach.