

# PRODUCT REQUIREMENT DOCUMENT

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# [Grocery List App]

[Everything at one place]

*“This grocery list app will help users manage their shopping lists, track their grocery expenses, and prevent duplicate purchases in shared spaces.”*

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# PURPOSE AND GOALS:

## Objective:

To provide a seamless way for individuals, especially those living in shared spaces, to collaboratively manage grocery shopping and expenses.

## Goals:

- Allow users to create and share grocery lists.
- Track expenses for each user.
- Avoid duplicate items in lists.

# USER PERSONAS:

## Persona1:

- Working Professional Living in a Shared Apartment
  - Needs: Simple, easy-to-use app for grocery management.
  - Pain Points: Difficulty in keeping track of who bought what and managing shared expenses.

## Persona2:

- Family Manager
  - Needs: Easily track grocery items, avoid duplicate purchases, and manage budgets
  - Pain Points: Duplicate items in the cart, no centralized place to view all purchases and difficulty coordinating shopping lists with a spouse; dislikes food waste

## Persona3:

- College Student Living in a Shared Apartment
  - Needs: Easily track necessary items required before organizing a party, avoid duplicate purchases, and manage budgets
  - Pain Points: Difficulty in keeping track of party items and its expenses

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## FEATURES:

- **Create and Share Lists:** Users can create grocery lists and share them with others.
- **Expense Tracking:** Track who bought which items and calculate individual expenses.
- **Item Duplication Prevention:** Automatically suggest items that are already on the list to prevent buying duplicates.
- **Push Notifications:** Reminders when a shopping list is updated or when items need to be bought.
- **Search Functionality:** Easily find items within shared lists.
- **List Sorting:** Option to sort items by category (e.g., fruits, vegetables, dairy).

## USER STORIES:

- **As a user**, I want to be able to create a grocery list so that I can manage my shopping efficiently.
- **As a user**, I want to track how much I've spent and who has paid for what to keep shared expenses clear.
- **As a user**, I want to prevent adding duplicate items to the list to save time and avoid wasting money.

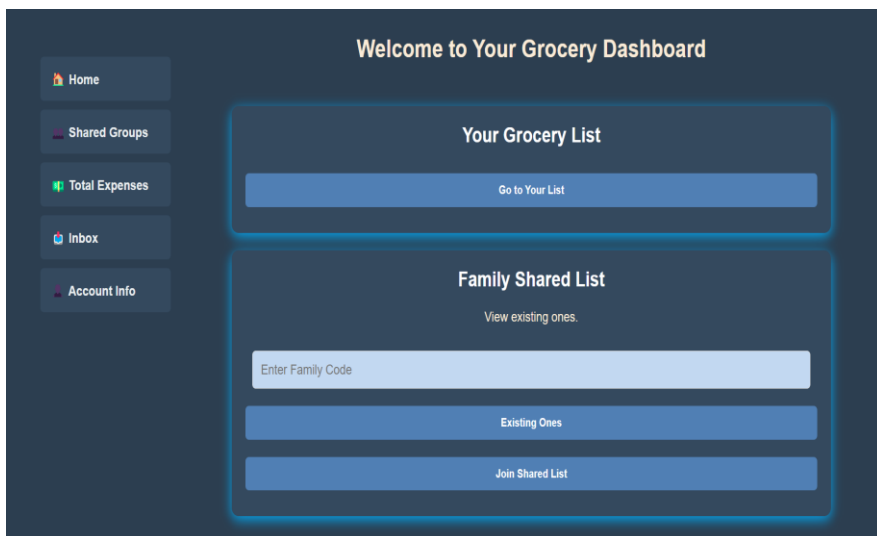
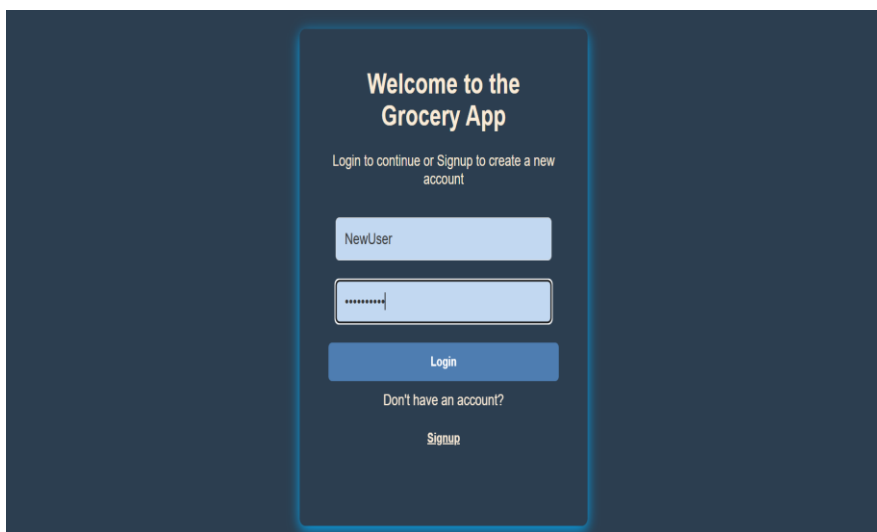
## FUNCTIONAL REQUIREMENTS:

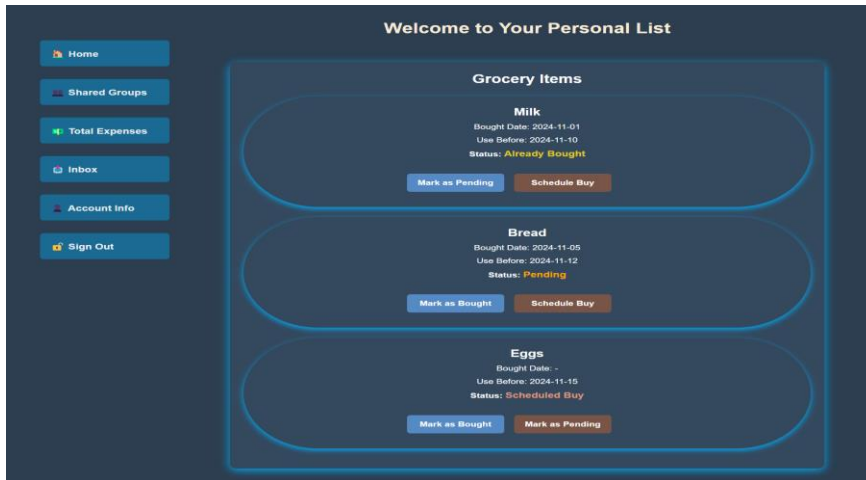
- **List Management:** Ability to add, edit, and remove items from the list.
- **User Authentication:** Users need to sign up, log in, and manage their profiles.
- **Expense Allocation:** Ability to enter and track individual user expenses.
- **Item Duplication Check:** System checks if an item is already on the list and prompts the user.
- **Data Sync:** Synchronization of lists across devices in real-time.

# NON-FUNCTIONAL REQUIREMENTS:

- **Performance:** The app should load within 2 seconds.
- **Security:** User data must be encrypted and protected.
- **Scalability:** Able to handle increasing numbers of users and items.
- **Usability:** App should be intuitive, with minimal steps to create and share lists.

## WIREFRAMES / MOCKUPS:





## ACCEPTANCE CRITERIA:

- Users are able to create a list and add items to it.
- Users can share the list with other users.
- Duplicate items are automatically identified and not added to the list.
- Expenses are correctly tracked and divided among users.

## DEPENDENCIES AND ASSUMPTIONS:

- The initial stages of this app will be a web application as shown in the prototype.
- The app will be later developed for both android and iOS.
- The app will require internet connectivity for syncing lists.

## TIMELINE:

- **MVP (Minimum Viable Product):** 3 months (Include basic features like list creation and sharing).
- **Full Product Launch:** 6 months (Add advanced features like expense tracking, duplication checks).

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## RISK AND MITIGATION:

- **Risk:** Users might not use the expense tracking feature.
- **Mitigation:** Add a tutorial and make the feature easy to use with reminders.