

Product Requirements Document (PRD) – Change Request

1) Overview

Change Request Title: Multi-List Management Enhancement

App Name: Grocery List

Platforms: Chrome (Web), Android (primary), iOS (secondary)

Summary: This CR introduces the ability for users to create, edit, and delete multiple grocery lists with unique names. The app name displayed below the icon after installation must also be updated to **“Grocery List.”**

2) Objectives

- Rename app to **“Grocery List.”**
 - Allow users to create **multiple grocery lists**.
 - Enforce **unique names** for grocery lists.
 - Provide **edit and delete functionality** for lists.
 - Ensure tapping on a list opens the existing **Add Item screen** scoped to that list.
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3) Functional Requirements

3.1 App Name

- **Requirement:** App name under icon should read **“Grocery List.”**
- **Acceptance:** After installation, label shows updated name.

3.2 Create Grocery List

- **Entry Point:** Home screen → “Add Grocery List” button.
- **Fields:** List Name (mandatory, 1–50 chars).
- **Validation:**
 - Reject empty names.
 - Reject duplicate names (case-insensitive).
 - On error, show message: *“List name already exists. Please choose another.”*
- **Acceptance:** On save, new list is added to home screen.

3.3 Edit Grocery List

- **Requirement:** Users can rename existing list.
- **Validation:** Same as creation rules (unique + not empty).
- **Acceptance:** Renamed list displayed on home screen.

3.4 Delete Grocery List

- **Requirement:** User can delete a list.
- **Flow:** Tap Delete → Confirmation dialog: *“Are you sure you want to delete this list? All items inside it will also be deleted.”*
- **Acceptance:** Confirm removes list + associated items from DB.

3.5 Navigate to Items Screen

- **Requirement:** Tapping on a grocery list opens existing Add Item screen.
 - **Behavior:** Items displayed/managed are tied only to that list.
 - **Acceptance:** CRUD on items affects only the selected list.
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4) Data Model Changes

4.1 New Table: grocery_lists

```
CREATE TABLE IF NOT EXISTS grocery_lists (  
  id INTEGER PRIMARY KEY AUTOINCREMENT,  
  name TEXT NOT NULL UNIQUE,  
  created_at TEXT NOT NULL,  
  updated_at TEXT NOT NULL  
);
```

4.2 Update Items Table

Add foreign key:

```
ALTER TABLE items ADD COLUMN list_id INTEGER NOT NULL DEFAULT 1;  
-- FOREIGN KEY(list_id) REFERENCES grocery_lists(id) ON DELETE CASCADE;
```

4.3 Relation

- One grocery list → Many items.
- Delete a grocery list → Cascade delete items.

4.4 Migration Rule

- For existing users, create a default list named **“My List”** and assign all existing items to it.
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5) UI/UX Requirements

5.1 Home Screen

- Title: **“Grocery Lists.”**

- List of existing grocery lists in cards/rows.
 - Show List Name.
 - Action icons: Edit, Delete.
 - Tap list → Items screen.
- Empty State: “No lists yet. Tap Add to create your first grocery list.”

5.2 Add/Edit List Modal

- Text input for List Name.
- Save/Cancel buttons.
- Validation: show inline error for duplicates.

5.3 Delete Confirmation Dialog

- Title: *“Delete Grocery List?”*
- Subtext: *“This will also remove all items inside this list.”*
- Buttons: Delete / Cancel.

5.4 Items Screen

- Unchanged, but filtered by list_id.
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6) Navigation

- **Launch → Home Screen (List of grocery lists).**
 - Home → Tap list → Items screen.
 - Items screen → Back → Home screen.
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7) Acceptance Criteria

- App shows name **“Grocery List”** under icon.
 - User can create new grocery lists with unique names.
 - Duplicate names are rejected with clear warning.
 - Edit renames the list with validations.
 - Delete confirms and removes list + items.
 - Tapping a list opens Add Item screen scoped to that list.
 - Relaunch shows all lists and their items.
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8) Risks & Mitigation

- **Risk:** Data loss from single to multi-list migration.
 - **Mitigation:** Auto-create default “My List” for existing items.
 - **Risk:** Users unaware of multi-list feature.
 - **Mitigation:** Add help tooltip/intro in first launch after update.
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9) Release Notes

- App renamed to “**Grocery List.**”
 - Added support for **multiple grocery lists** with unique names.
 - Lists can now be **renamed or deleted.**
 - Existing item management tied to selected list.
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End of PRD – Multi-List CR