* When we add multiple lists or items within it, the boundary between them is not clearly visible in Normal and dark mode, kindly apply it to make it visually distinguishable.
* For List updated date should match last saved date and time
* Add a filter to show Items based on Needed checked, unchecked and All, Default should be All, Also the export values should be based on this Filter value.
* The Select All checkbox should come to right side, and keep its Label as “Select All”
* Add a Search box before first item and it should show items even with partial match, This search box should only appear if there are more than one item. The search value should clear automatically if we move out of this screen
* Dark mode should be the default mode
* If there are more than one list, I should be able to change their position either above or below by dragging it.
* All Items should be sorted alphabetically when ever we import or add or edit it manually
* Use “grocery-cart.png” as app icon, the file is in current project. Copy it to appropriate folder and apply it as app icon.
* Based all above functionality added update relevant help screen accordingly.
* Go through the below requirements and start applying them.
* Create required folder structure , etc.
* Install required dependencies as required.
* Use Sequential thinking and other MCP as required to achieve the objective.
* The UI should be stunning and easy to use.
* Improvise as required, Fill the missing requirements or gaps.

Requirements: -

1. **Visual Boundaries:** When multiple lists or items are added, ensure clear visual separation between them in both Normal and Dark modes for better readability.
2. **List Updated Date:** Each list’s updated date should reflect the most recent save date and time of Item last saved date.
3. **Item Filter:** Add a filter option to view items by **Needed (checked), Not Needed (unchecked), or All**. Default should be **All**. The Export function should respect the selected filter value.
4. **Select All Checkbox:** Move the “Select All” checkbox to the right side and label it as **“Select All”**. It should align with Item Checkbox vertically.
5. **Search Box:** Add a search box above the first item that supports partial matches. This search box should appear only if there are more than one item, and the entered search value should automatically clear when leaving the screen.
6. **Default Mode:** Dark Mode should be set as the default mode when the app starts.
7. **Reorder Lists:** If multiple lists exist, allow reordering their positions (above or below) using drag-and-drop functionality.
8. **Item Sorting:** All items should be sorted alphabetically whenever they are imported, added, or edited.
9. **App Icon:** Replace the current app icon with **“grocery-cart.png”** (available in the current project). Copy it to the appropriate folder and apply it as the app’s icon.
10. **Help Screen Update:** Update the help screen to reflect all new functionalities introduced.

**Incorporate the below requirements, the earlier enhancement are not working as desired.**

* Use Sequential thinking and other MCP as required to achieve the objective.
* The UI should be stunning and easy to use.
* Improvise as required, Fill the missing requirements or gaps.
* **Items Screen Enhancements:**  
  a. **Auto Serial Numbering:** Items should automatically re-number (starting from 1, then 2, and so on) whenever an item is updated, deleted, imported, the “Needed” checkbox is toggled, or the Save button is clicked. The newly added item is getting alphabetly sorted which is correct but serial no’s are wrong? Chk database if serial number are as per sorted order, say Apple is 1, Ban is 2 and so on.  
  b. **Last Saved Timestamp:** The “Last Saved” date and time should update whenever an item is updated, deleted, the “Needed” checkbox is toggled (checked or Unchecked), or the Save button is clicked. The data should be saved and update the “Last Saved” date and time”
  1. Current it’s working for only item updated,
  2. For Needed checkbox sometimes it works when checked or unchecked?
  3. Not working on delete of an item using delete icon on the item row?
* c. **Bulk Delete:**
  1. The Select All Delete icon should be a delete icon and not a checkbox, as we already have “delete all” button in Top 2 row header.
  2. Delete “Select All Items” label and any other labels in that panel, as icon itself communicate the meaning.
  3. When I click any delete checkbox for a Item it’s not showing as selected, but if I go out of that screen and come back it shows checked? Same with unchecking. But the functionality is working fine, whatever items delete checkbox is selected and upon click of delete its deleting.

**Item screen - Deletion Error:** When deleting an item using the delete icon on the item row, an error occurs — “Something went wrong, unique constraint failed.” This needs to be resolved. But the item gets deleted.

* **I see 3 icons, Delete icon, Delete All icon, Needed Checkbox, Change it to Delete icon, Needed Checkbox as Delete All icon is not needed, Also align the icons exactly above Item delete and Needed Checkbox for better visuals. No change in functionality.**
* **Help & FAQ Screen Update: Revise the Help and FAQ sections to include and explain all newly introduced functionalities. Ensure the content is written in simple, user-friendly language and only covers information relevant to end users. Avoid technical details and remove content that is not useful or of interest to the user.**

**Incorporate the below requirements, the earlier enhancement are not working as desired.**

* Use Sequential thinking and other MCP as required to achieve the objective.
* The UI should be stunning and easy to use.
* Improvise as required, Fill the missing requirements or gaps.
* **Bulk Delete Panel Background:** Match the background color of the Bulk Delete panel with the Item background color for consistency.
* Lock the screen orientation to portrait mode. All below requirements are with respect to Portrait mode.
* **Bulk Delete Panel Width:** Adjust the width of the Bulk Delete panel so it matches the width of the items. I still see same issue
* Updated Date & Time Alignment on List: Display the updated date and time on a single line. To accommodate this, either shift the edit and delete icons slightly to the right, or move the drag handle and basket icon to the left. I still see same issue, See 1.png on my desktop.
* **Delete Icon Positioning:** Align the delete & Needed icon on the Bulk Delete panel 2 pixels to the right from the current position.
  1. **I think the Needed icon should move 1 or 2 pixels right**
  2. **Delete icon 3 or 4 pixels to the**

See 2.png on my desktop.

**Incorporate the below Price field requirements.**

* Use Sequential thinking and other MCP as required to achieve the objective.
* The UI should be stunning and easy to use.
* Improvise as required, Fill the missing requirements or gaps.

1. **Price Field Addition:** Add a *Price* field for each item, displayed next to the item name. Example if I enter 100 in Add item form it should show as 100 Rs, Note Rs label should also show in Add Item form, Price label example Price (Rs).
2. **Field Constraints:** Limit the field length to 5 digits with up to 2 decimal places (e.g., 1.50, 10.50, 100.50, 1000.50, 10000.99).
3. **Default Value:** Set the default value to 0. The field should remain optional.
4. **Bulk Panel Total:** Add a **Total** label on the left side of the Bulk panel. It should display the sum of prices for all items where the “Needed” checkbox is selected.
5. Example: If three items have prices 100, 200, and 300, and only the first and third are marked as Needed, the Total should show 400.
6. **Integration:** Implement the Price field across all relevant components—*Imports, Exports, Add Item form, database*, etc.
7. **Code Safety:** Ensure existing functionality remains unaffected; do not break any working code.

* Analyze the project and add important aspects in memory for future reference like core functionality, Database related, etc.

**Incorporate the below requirements.**

* Use Sequential thinking and other MCP as required to achieve the objective.
* The UI should be stunning and easy to use.
* Improvise as required, Fill the missing requirements or gaps.
* On the **List screen**, remove the word **“Updated”** from the Date and Time label, and change the format to **21 Aug 25, 9:51 AM**.
* On the **Add Item form**, apply validation to the **Price field** so that if a value is entered, the **minimum allowed value is 1**.
* Add a **Hamburger icon** on List at the top-right corner. When clicked, it should open a **pop-up window** containing:
  + **Description field** (limit: 60 characters)
  + **URL field** (limit: 100 characters)
  + **Save** and **Cancel** buttons  
    Users should also have options such as an **Edit button/icon** to update these fields later, a **Clear icon** to reset individual fields, etc. Once saved, reopening the window should display the **URL as a clickable hyperlink**, which redirects the user to the respective website. The pop-up’s **UI should be modern, clean, and visually appealing**.
* Once I save the and click on hamburger icon again the fields are showing as blank, if I move out of item screen and come back and check again its showing the values?
* The name of popup window is mentioned as List Details, rename it to Recipe Details.
* When I click the url getting error Could not launch…..url link
* Remove any leading or trailing space for both fields before saving to database.

Here’s the refined rewrite of your points:

* After saving, if I immediately click the **Hamburger icon** again, the fields appear blank. However, if I leave the **Item screen** and return, the saved values are displayed correctly. This needs to be fixed so values persist immediately after saving.
* The popup window is currently titled **“List Details”**. Rename it to **“Recipe Details”**.
* When clicking on the saved **URL link**, an error appears: *“Could not launch…url link”*. This needs to be resolved so the hyperlink opens correctly.
* Before saving to the database, ensure both **Description** and **URL fields** automatically trim any leading or trailing spaces.
* See 1.png on desktop , still on clicking url getting same error.

That means the url\_launcher package is being called, but Flutter cannot parse or open the URL in Android.

**🔑 Why this happens**

1. The Website field is storing the URL **with spaces or hidden characters** (e.g. newline, trailing space).
2. You are passing the URL as a String instead of a proper Uri.
3. On Android 11+, you must explicitly allow internet usage in AndroidManifest.xml.
4. By default url\_launcher may try to open inside the app — which often fails for YouTube links.

**✅ How to fix**

**1. Clean the URL before saving/launching**

Make sure you trim spaces and remove line breaks:

String cleanUrl(String url) {

return url.trim();

}

**2. Use Uri.parse() with launchUrl**

import 'package:url\_launcher/url\_launcher.dart';

Future<void> openWebsite(String url) async {

final Uri uri = Uri.parse(url.trim());

if (!await launchUrl(

uri,

mode: LaunchMode.externalApplication, // forces opening in browser/YouTube app

)) {

throw Exception('Could not launch $uri');

}

}

**3. Android setup**

In android/app/src/main/AndroidManifest.xml, inside <manifest> add:

<uses-permission android:name="android.permission.INTERNET"/>

**4. iOS setup (if you also plan iOS support)**

In ios/Runner/Info.plist add:

<key>LSApplicationQueriesSchemes</key>

<array>

<string>http</string>

<string>https</string>

</array>

**5. Test with a known safe link**

openWebsite("https://www.google.com");

If this works, then the issue is only with the YouTube link formatting in your DB.

⚡ **Most likely in your case** (from the screenshot):  
The YouTube link has **a hidden newline or space before/after it** when saving to the database. Trimming it with url.trim() before saving and when launching will fix it.

👉 Do you want me to give you a **fixed code snippet for your popup Website field**, so whenever you save, it always trims the URL and prevents this error?

* Its working fine now, can we replace the Hansberger Icon with Recipe Icon, and than swap the help and this icon position.
* Also add this functionality details in help file.

You are a expert grocery person living in india, You are tasked with creating a comprehensive growser list in below csv format.

Plan for a Indian family of 4 (2A+2C), Should cater for both South and North Indian family.

Example given below along with csv headers, Needed should be Y if its absolute staple and Price should be latest. Remember the price should match quantity say rice 25 kg would be approx. Rs 1600 and so on.

Sl No,Item,Qty Value,Qty Unit,Needed,Price

1,Apples,2,kg,Y,150.00

* Add bars, sachets, rolls, pack, set under Solids UOM in Add item form
* Add refills under Liquids UOM in Add item form
* Add pound, loaf under Solids UOM in Add item form

**Incorporate the below requirements.**

* Use Sequential thinking and other MCP as required to achieve the objective.
* The UI should be stunning and easy to use.
* Improvise as required, Fill the missing requirements or gaps.
* When creating or updating a **List**, validate that the name is not only numbers, special characters, or spaces. If invalid, display an appropriate error message.
* When creating or updating an **Item**, validate that the name is not only numbers, special characters, or spaces. If invalid, display an appropriate error message.
* When creating or updating an **Item**, if a Unit of Measure (UOM) is provided, then Quantity (Qty) must also be entered.

 When creating or updating an **Item**, if Quantity is entered but Unit of Measure (UOM) is left blank, no error is currently shown. This should be validated and an appropriate error message displayed.

 The error messages related to Quantity and UOM are not fully visible; they are getting cut off (refer to 1.png on desktop). Ensure the full error text is properly displayed.

**Incorporate the below requirements.**

* Use Sequential thinking and other MCP as required to achieve the objective.
* The UI should be stunning and easy to use.
* Improvise as required, Fill the missing requirements or gaps.
* While importing items via CSV file in either import mode(Merge with existing and Replace all), validate that all fields comply with the same rules defined for the **Add Item** form.
* If any row fails validation, display the **Sl. No., field name(s), and reason for the error**. The import should not proceed until all errors in the CSV are corrected by the user.
* If the number of errors is large, add a **vertical scroll bar** in the Import Error popup screen.
* Ensure the **error messages are neatly formatted** for readability in the Import Error popup.
* Do not store/save the CSV file after import to **minimize app storage usage**.
* **Be careful not to break any currently working code** while implementing these requirements.

**Incorporate the below requirements.**

* Use Sequential thinking and other MCP as required to achieve the objective.
* The UI should be stunning and easy to use.
* Improvise as required, Fill the missing requirements or gaps.
* Currently, the List in **List** screen has **Edit** and **Delete** options. Add a **Copy** option as well.
  + When the user clicks the **Copy** icon, open a form similar to the **Add List** form and prompt the user to enter a new list name (all existing list name validations should apply).
  + If the original list has items, those items should also be copied into the new list.
  + Use a **suitable Copy icon**, consistent with the existing Edit and Delete icons.

**Incorporate the below requirements.**

* Use Sequential thinking and other MCP as required to achieve the objective.
* The UI should be stunning and easy to use.
* Improvise as required, Fill the missing requirements or gaps.

1. Currently in Item screen, when an Item is deleted or edited, the screen automatically scrolls back to the first item instead of staying at the same position. This causes inconvenience, as the user has to scroll down again to locate the item, especially when working with items in the middle or lower part of the list.

**Incorporate the below requirements.**

* Use Sequential thinking and other MCP as required to achieve the objective.
* The UI should be stunning and easy to use.
* Improvise as required, Fill the missing requirements or gaps.
* Add a new import mode called **“Grocery Reference List (For 2A + 2C)”**, which lets users import a predefined set of default items into a blank list.
* This option should only work if the list is completely blank.
* If the list already contains items and the user attempts to use this mode, the system should **show an error message** indicating that the import can only be done on a blank list.
* This option should be listed **first**, followed by **“Merge with existing”** and then **“Replace all”**.
* Initially, the default items should be loaded from the file **“Grocery\_Reference\_List.csv”** in the current project. Once loaded, save them in the database in a separate table so that they can be reused for imports later without needing the file again.
* Workflow: The user creates a blank list → selects this import option → the system populates the list with the default items → the user can then edit or customize these items as needed.
* Ensure this enhancement does not break any existing code or functionality.
* Ensure the **import mode name** and its **explanatory text** are fully visible. If necessary, increase the container height to avoid truncation.
* The **“Recommended” label** should be slightly smaller in size and positioned at the **top-right corner**, ensuring it does not overlap with other text.
* Fix the issue where, upon selecting **Export CSV Template**, the button turns fully white, making the text unreadable. The button text should remain clearly visible at all times.
* **Refer 1.png on below issues.**
* **Grocery Reference List text is showing vertical and recommended shouls slightly move right top also explain test is not fully visible.**
* **Replace all items explain test is not fully visible.**
* Currently, the export file format is **ListName\_DateTime.csv**.
* Update the format to include the applied filter type: **ListName\_FilterType\_DateTime.csv**.
* Examples:
  + MyList\_All\_29Aug2025\_10\_00AM.csv
  + MyList\_Needed\_29Aug2025\_10\_00AM.csv
  + MyList\_NotNeeded\_29Aug2025\_10\_00AM.csv
* Update the Export CSV template file naming format to:  
  **Grocery\_List\_CSV\_Sample\_Template\_DateTime.csv**
* Example:  
  Grocery\_List\_CSV\_Sample\_Template\_29Aug2025\_10\_00AM.csv
* Use the contents of the file “**Grocery\_List\_CSV\_Sample\_Template.csv”** located in the current project folder as the default sample data for the export CSV template.
* This sample data should be shown to the user from now on whenever they export the CSV template.

**Incorporate the below requirements/fixes.**

* Use Sequential thinking and other MCP as required to achieve the objective.
* Improvise as required, Fill the missing requirements or gaps.
* Ensure this change/enhancement does not break any existing code or functionality.
* After performing **“Clear Data”** on the Grocery List Android app, if the user clicks on the **“Grocery Reference List”** import option, an error is thrown as below.

**Error: DatabaseException(no such table:**

**reference\_items (code 1 SQLITE\_ERROR[1]):, while**

**compiling: SELECT COUNT(\*) FROM**

**reference\_items) sql 'SELECT COUNT(\*) FROM reference\_items' args []**