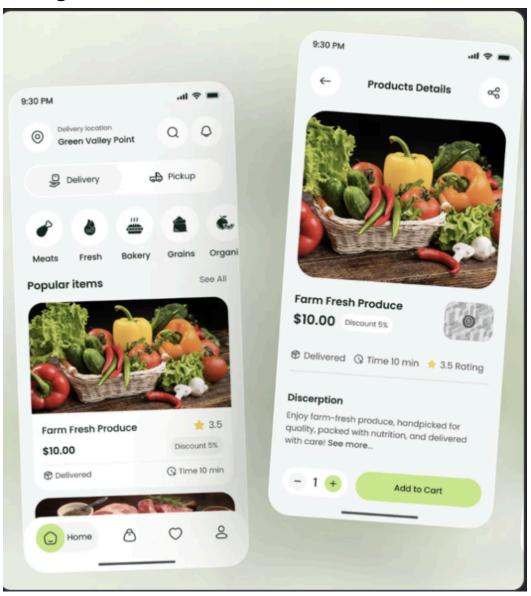
Assignment 2



🥦 Flutter Assignment: Grocery App Ul

Objective:

Build a Grocery App UI using Flutter with two main screens: you can use your own color schems

- Home screen showing popular items and categories.
- Product Details screen with pricing, description, and image.

Requirements:

1. Use go_router for Navigation

- Route from Home screen to Product Details screen when tapping a product card.
- Use dynamic route (e.g., /product/:id) to pass product ID or data.

Docs: go router pub.dev

Guide: Flutter navigation with go router

2. Use a Model Class to Display Data Dynamically

Create a Product model with the following fields:

```
class Product {
  final String id;
  final String name;
  final String imageUrl;
  final double price;
  final double discount;
  final double rating;
  final String deliveryTime;

Product({required this.id, required this.name, required this.imageUrl, required this.price, required this.discount, required this.rating, required this.deliveryTime});
}
```

Store sample data in a list and show items dynamically on the Home screen.

3. Bottom Navigation Bar (UI only)

Add a bottom navigation bar with 4 icons:

- Home
- Categories
- Favorites
- Profile

(No actual navigation logic required)

✓ 4. Code Structure & Reusability

Break UI into smaller widgets for maintainability:

- ProductCard
- CategoryItem
- BottomNavBar
- RatingStars
- CustomAppBar

Organize files like:

```
| L product_details_screen.dart
|- /widgets
| L product_card.dart
| L bottom_nav_bar.dart
| L ...
|- /data
| L dummy_data.dart
```

🧖 Flutter Learning Resources:

Flutter Docs

- Layouts in Flutter
- Reusable Widgets
- Image Widget

Particular Video Tutorials (HeyFlutter or Similar)

- Flutter Grocery App UI HeyFlutter (suggested search link as matching title might differ)
- Flutter UI Tutorial: Beginner to Pro HeyFlutter

Submission Requirements:

- Screenshots of both screens
- GitHub repo (with screenshots/ folder)
- Optional: Loom video walkthrough
- Structure your code as per the refactoring section

Let me know if you want a ZIP starter template or this converted to Markdown for GitHub!