ListIt

Shopping List Application

Group 02

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Description

Target Audience:

This app is designed for individuals and families who want a convenient and organized way to manage their shopping needs. It caters to users who prefer to categorize their items and calculate applicable taxes automatically based on item groups.

Problem Statement:

Many people face challenges managing multiple shopping lists, remembering which items belong to different categories, and calculating the total price including applicable taxes. There is also a need for an easy-to-use tool to track shopping progress and ensure all necessary items are accounted for.

Solution Overview:

The "ListIt" application allows users to create and manage multiple shopping lists. Users can add, edit, and remove items from their lists. Items are grouped into customizable categories (e.g., food, medication, cleaning products), each with different tax rates. The app also provides a summary view with total price and tax breakdowns. The application is optimized for iPhone 12, ensuring a smooth and responsive user experience on that device.

Functionalities

Shopping List Management:

The app will provide options to add, edit, and remove shopping lists and items, capturing details such as:

- **List Name**: Name of the shopping list.

- **Item Name**: Name of each item.

- **Category**: Item category (e.g., food, cleaning, medication).

- **Price**: Price per unit of the item.

- **Quantity**: Number of units.

- **Tax Calculation**: Automatically calculates tax based on the category.

Category System:

Users can assign each item to a category, which determines the applicable tax rate. Categories can be customized to fit user needs.

Data Storage:

All shopping lists, items, and categories will be stored persistently using Core Data. This ensures quick access, offline functionality, and efficient data management.

Adding a New Item:

Allows users to input details for a new item, including name, price, quantity, and category. Users can save the item or cancel to discard changes, making it easy to update their shopping lists.

List of Shopping Lists:

The app will display a list of all saved shopping lists, showing the total number of items and a preview of key items. Users can tap on any list to view its details.

Shopping List Details Screen:

When a user selects a shopping list, they will be taken to a detailed view displaying all items in the list. The screen will include options to add, edit, or remove items, show the total cost including taxes, and provide a tax breakdown by category. This helps users get a comprehensive overview of their spending.
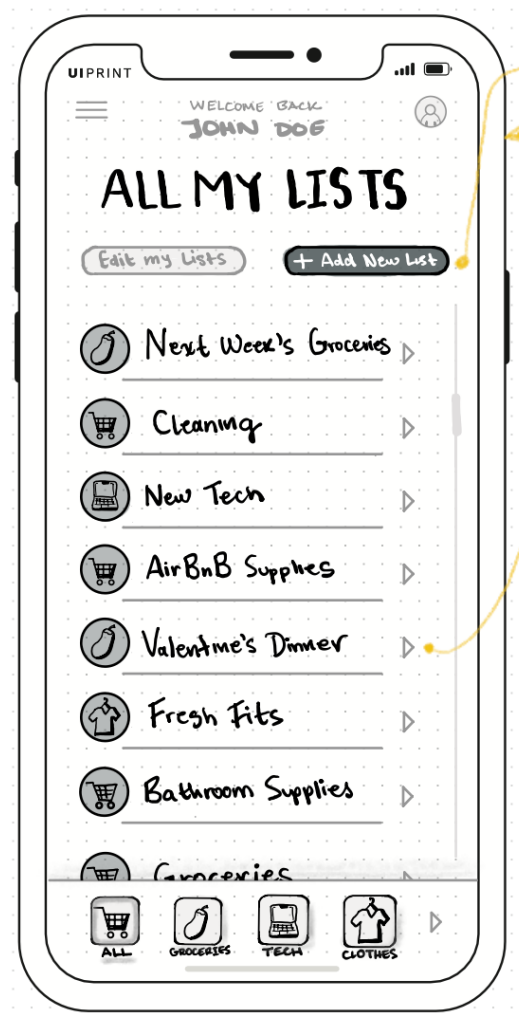
Mock-up Details & Explanations

Splash Screen:

The app opens with a splash screen displaying the app logo and title, setting a professional tone.

Home Screen:

Provides Provides navigation options, including viewing all saved shopping lists and creating a new list.
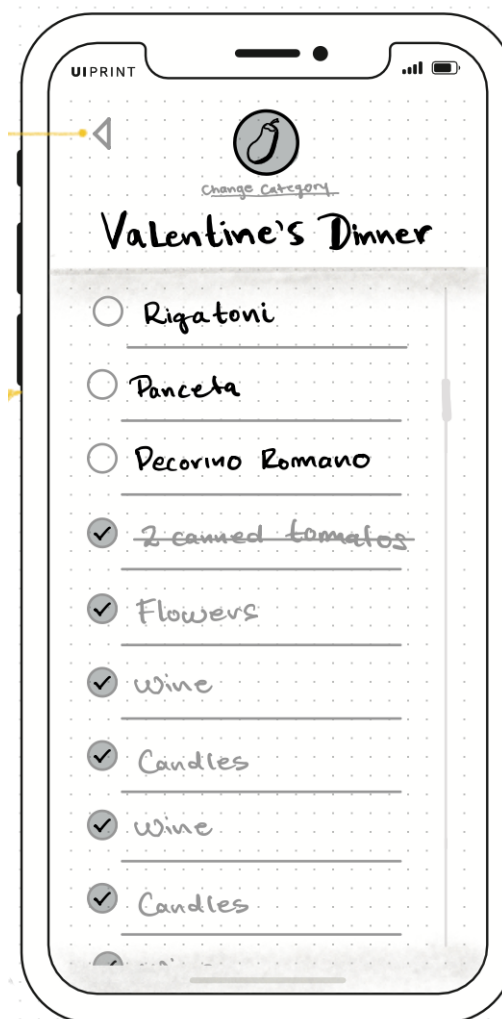

Shopping Lists Screen:

Displays a scrollable list of saved shopping lists, each with a summary of items and total cost. Users can tap on any list to view its details.

Details Screen:

Shows full details about the selected shopping list, including item names, categories, prices, quantities, the calculated total cost, and a tax breakdown by category. Users can edit or remove items from this screen.
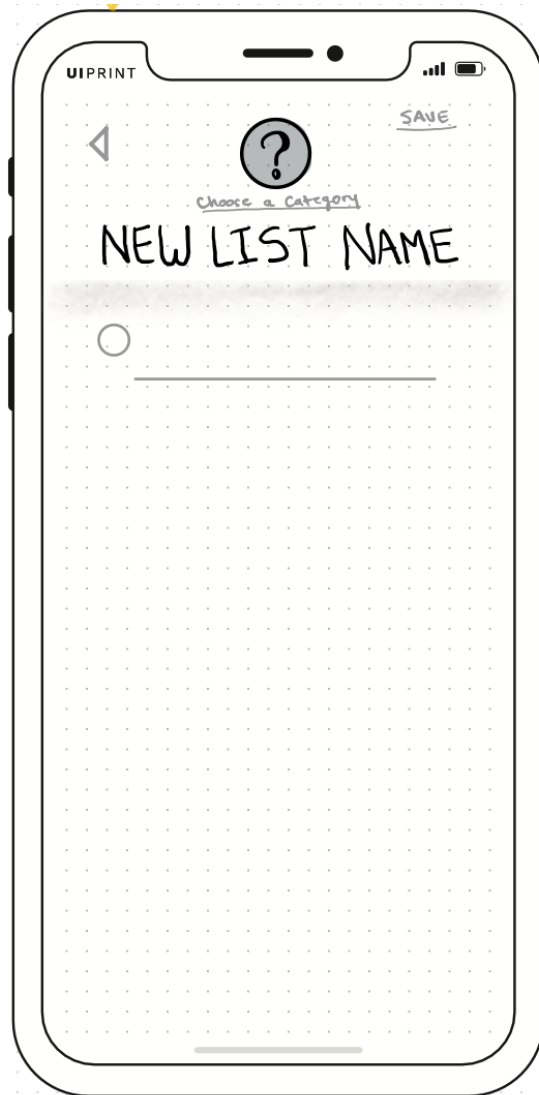

About Screen:
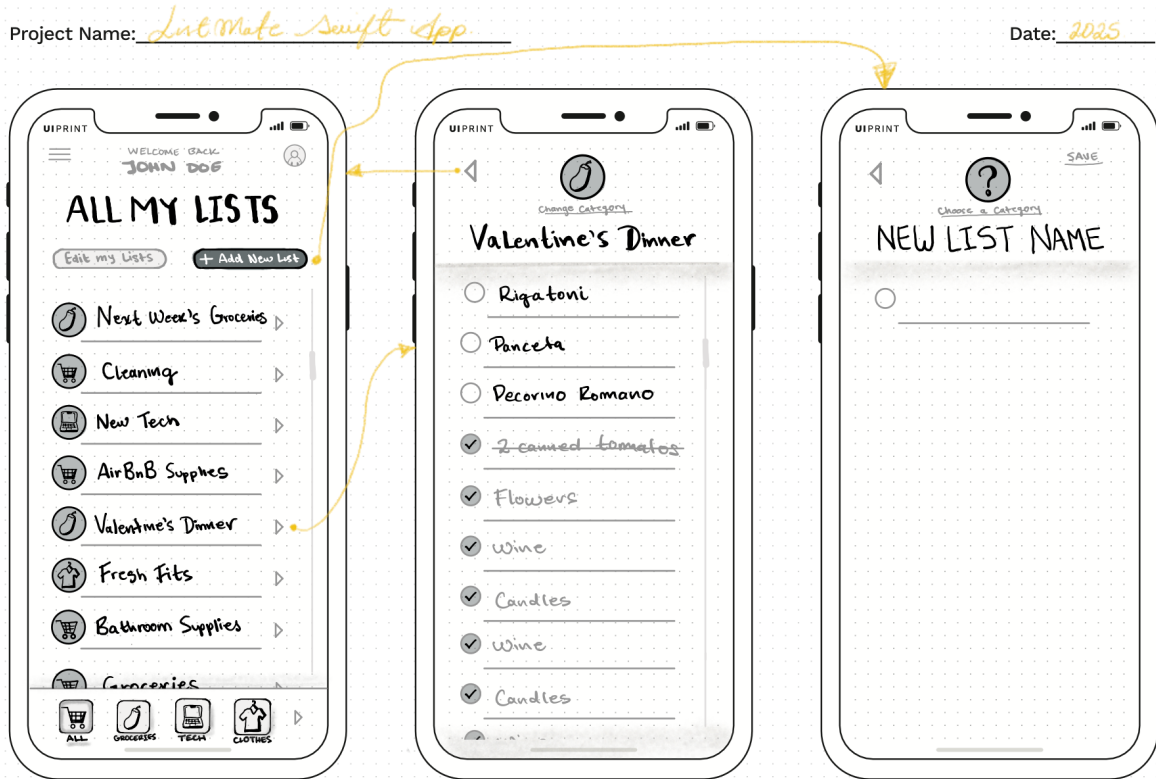
Lists the app version for troubleshooting or updating. Displays all team members' names and roles in the project. Provides a contact email for support-related inquiries.

Add a New Item Screen:

Allows users to enter details for a new item, including fields for the item's name, category, price, and quantity. Users can save the new item to the shopping list or cancel to discard changes.

Complete initial concept:

Project Name: _List Mate Swift App_   Date: _2025_

Screen 1

UIPRINT

WELCOME BACK
JOHN DOE

ALL MY LISTS

(Edit my Lists)   (+ Add New List)

- ◉ Next Week's Groceries ▷
- 🛒 Cleaning ▷
- 📱 New Tech ▷
- 🛒 AirBnB Supplies ▷
- ◉ Valentine's Dinner ▷
- 👕 Fresh Fits ▷
- 🛒 Bathroom Supplies ▷
- 🛒 Groceries ▷

🛒 ALL   ◉ GROCERIES   📱 TECH   👕 CLOTHES ▷

Screen 2

UIPRINT

◉
Change Category

Valentine's Dinner

- ◯ Rigatoni
- ◯ Panceta
- ◯ Pecorino Romano
- ☑ ~~2 canned tomatos~~
- ☑ Flowers
- ☑ Wine
- ☑ Candles
- ☑ Wine
- ☑ Candles

Screen 3

UIPRINT   SAVE

?
Choose a Category

NEW LIST NAME

- ◯ _____

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Project Details