

# Grocery Management

## Naming

- NomUp: Kitchen Inventory
- "Nom it up before it goes bad"
- "Never waste groceries again! NomUp tracks what you buy, reminds you when it expires, and helps you nom it up before it goes bad."
- Track groceries, prevent waste, save money

## User Flow for Grocery Management App

### 1. INITIAL SETUP (First Time)

- Welcome screen explaining the app's purpose

#### Habit Questionnaire

##### 1. "When do you typically buy groceries?"

- Select days: ☐ Mon ☐ Tue ☐ Wed ☐ Thu ☐ Fri ☐ Sat ☐ Sun (Can choose multiple days)
- Time: Morning / Afternoon / Evening
- Frequency: bi-Weekly / Weekly / Twice a week / As needed

##### 2. "Do you meal prep?"

- ☐ Yes, I batch cook meals
- ☐ No, I cook fresh meals regularly
- ☐ Sometimes / Mix of both

### BRANCH A: If "Yes" to Meal Prep

#### 3a. "Which day(s) do you meal prep?"

- ☐ Sunday ☐ Monday ☐ Other: \_\_\_\_
- Time: Morning / Afternoon / Evening
- "How many meals do you prep at once?" 5-10 / 10-15 / 15-20+

#### **4a. "When do you eat your prepped meals?"**

- Weekday lunches
- Weekday dinners
- Weekend meals
- All meals

**Skip daily cooking questions** → Go to question 5

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### **BRANCH B: If "No" to Meal Prep**

#### **3b. "When do you usually cook?"**

- Breakfast: ☐ Weekdays ☐ Weekends (Time: \_\_\_\_)
- Lunch: ☐ Weekdays ☐ Weekends (Time: \_\_\_\_)
- Dinner: ☐ Weekdays ☐ Weekends (Time: \_\_\_\_)

#### **4b. "How many times per week do you cook?"**

- Slider: 1-21 meals/week
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### **BRANCH C: If "Sometimes / Mix"**

#### **3c. "Tell us more about your routine:"**

- Meal prep day: ☐ Sunday ☐ Other
  - Also cook fresh: ☐ 2-3 times/week ☐ 4-5 times/week
  - Typical cooking times: Breakfast \_\_\_\_ / Lunch \_\_\_\_ / Dinner \_\_\_\_
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#### **5. "Do you eat out often?" (Asked to everyone)**

- Rarely (1-2×/month)
- Sometimes (1-2×/week)

- Often (3+×/week)

**6. Set notification preferences:**

- Shopping reminders ✓
- Cooking reminders ✓
- Expiration alerts ✓
- Quiet hours: 10pm - 8am

7. Optional: Dietary preferences

8. Grant camera permissions for scanning

9. **"You're all set! Let's add your first groceries."**

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## 2. ADDING GROCERIES

### Flow A: Receipt Scanning

1. User taps "Add Groceries" → "Scan Receipt"
  2. User takes photo of receipt
  3. App processes, remove non-foods items and displays detected items in a list
  4. User reviews and edits:
    - Correct any misread items
    - Add quantities if missing
  5. User taps "Confirm Items"
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## 3. SETTING EXPIRATION & STORAGE

After adding items, user sees list of new groceries:

### For each item:

1. App shows:
  - Item name & quantity
  - Suggested expiration date (based on category)

- Suggested storage location (fridge/freezer/pantry)
2. User can:
    - **Keep defaults** (swipe to accept)
    - **Mark as "Quick Expiry"** flag for sale items
    - **Edit expiration date:**
      - Scan "Best By" date with camera
      - Manually input date via calendar picker
    - **Change storage location** (tap to toggle between fridge/freezer/pantry)
  3. Tap "Save All Items"
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## 4. HOME DASHBOARD

User sees:

- **"Expiring Soon"** section (items expiring in 3 days, color-coded: yellow → orange → red)
  - **"All Groceries"** organized by:
    - Storage location tabs (Fridge | Freezer | Pantry)
    - Sort options: Expiration date, Category, Recently added
  - Quick action button: "I Cooked Something"
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## 5. LOGGING CONSUMPTION

**When user cooks/eats:**

1. User taps "I Cooked Something"
2. Two options appear:
  - **"Take Photo"** → Camera opens
  - **"Select Manually"** → Item checklist

**If using Photo:**

1. User takes photo of food/ingredients

2. App analyzes and suggests ingredients used
3. User sees list with checkboxes to confirm/deselect items
4. User click add missing ingredients button to add items to the list.

#### **If Manual Selection:**

1. User sees searchable list of all groceries
  2. User checks items they used
  3. **For each selected ingredient:**
    - Item name shown with current quantity
    - Slider appears: "How much did you use?"
      - Visual indicators: 1/10, 3/10, 5/10, 8/10, All (10/10)
      - Shows remaining amount in real-time
  4. Options for each item:
    - "Used All" button (quick action)
    - Add to shopping list
    - "Threw Away" button (tracks waste)
  5. User taps "Update Inventory"
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## **6. Grocery Shopping List**

### **Entry Points to Shopping List**

#### **A. From Dashboard**

- User taps "Shopping List" icon in bottom navigation
- Shows current shopping list (if any exists)

#### **B. From "Expiring Soon" Section**

- User sees banner: "3 items expiring soon - Add to shopping list?"
- Tap banner → Auto-creates list with those items

#### **C. From Weekly Reminder**

- Push notification: "Time to shop! Create your list?"
- Tap notification → Opens shopping list

## **Edit Shopping List**

Add items

### **1. ADD FROM USED ITEMS**

1. User opens Shopping List screen
2. Taps "Add from Used Items" button
3. App shows two tabs:
  - **"Recently Used"** (last 7 days)
  - **"Frequently Used"** (most used items in past month)
4. User taps [+ Add to List] for desired items
5. Visual feedback: Checkmark appears ✓
6. Items move to shopping list

### **2. Manually Add**

1. User click Add items button to open a pop up window
2. User enter product name
3. User enter product quantity (count / lbs)
4. User confirm "Add"
5. Items adds to shopping list

## **Option for each items**

- Delete Item
  - Edit → Quantity & product Name
  - Add to Pantry list → setting up expiration dates / counts
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## 6. Prefill Instacart

### In Shopping List Screen

1. user click "Add to Instacart"
    - a. In a pop up screen, user choose "I prefer organic food" or "It doesn't matter to me".
  2. Lead the user to Instacart. Prefill user's Instacart with the items in shopping list.
  3. Shopping list cleared
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## 7. ADDITIONAL FEATURES

### Smart Reminders:

- Push Notification: "Are you cooking today? Remember to log your consumption."
- Push notification: "3 items expiring tomorrow!"
- Weekly summary: "You have spinach and chicken expiring this week"

### Recipe Suggestions:

- Based on items expiring soon
- "Use your tomatoes and cheese before they expire!"

### Insights/Stats:

- Food waste percentage
- Most wasted items
- Money saved = Value of items that were "expiring soon" but were consumed before expiring

## UPDATED COMPLETE ONBOARDING FLOW

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[WELCOME]  
↓  
[PERMISSIONS]  
↓  
[SHOPPING HABITS] ← Same as before  
↓  
[MEAL PREP?] ★ NEW POSITION  
├ YES → [Which days?] → [Skip daily cooking Q's]  
├ NO → [Daily cooking times] → [Meals per week]  
└ MIX → [Both questions, customized]  
↓  
[EAT OUT FREQUENCY]  
↓  
[NOTIFICATION PREFERENCES]  
↓  
[COMPLETE - Add First Groceries]

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## SMART NOTIFICATION EXAMPLES

### Scenario 1: Pure Meal Prepper

User profile:  
- Meal preps: Sunday afternoons  
- Preps 12 meals  
- Eats out: Rarely

Notifications:  
✓ Sat 6pm: "Shopping tomorrow?"  
✓ Sun 2pm: "Meal prep time!"  
✓ Sun 7pm: "Log your meal prep ingredients"  
✓ Wed 12pm: "Still eating prepped meals?" (light check)  
✓ Fri 6pm: "Milk expires tomorrow - used in meal prep?"  
× NO daily "did you cook?" reminders

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### Scenario 2: Daily Cook

User profile:  
- Cooks fresh: Mon-Fri dinner (7:30pm)  
- Weekend brunch: Sat-Sun (11am)  
- Eats out: Sometimes

Notifications:  
✓ Fri 6pm: "Shopping tomorrow?"  
✓ Mon-Fri 8pm: "Did you cook dinner?"  
✓ Sat-Sun 11:30am: "Did you cook brunch?"  
✓ Thu 9am: "Chicken expires today"

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### Scenario 3: Hybrid



User profile:

- Meal preps: Sunday (5 lunches)
- Cooks fresh: Tue, Thu, Sat dinners
- Eats out: 1-2× week

Notifications:

- ✓ Sun 2pm: "Meal prep time!"
  - ✓ Sun 7pm: "Log meal prep ingredients"
  - ✓ Tue 8pm: "Did you cook dinner?" (fresh cooking)
  - ✓ Wed 12pm: "Eating prepped lunch?"
  - ✓ Thu 8pm: "Did you cook dinner?" (fresh cooking)
  - ✓ Sat 7pm: "Did you cook dinner?"
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## ADDITIONAL UX IMPROVEMENTS

### During Onboarding - Visual Branching:

Show users why you're asking:

- ✓ "Do you meal prep?"




Why we ask: This helps us send reminders at the right time for YOUR routine.

[Yes, I meal prep] [No, I cook daily] [Mix of both]

### Confirmation Screen:

After completing questionnaire:

- ✓ Got it! Here's your schedule:

-  Shopping: Saturdays
-  Meal Prep: Sundays, 2pm
-  Check-ins: Wed & Fri (quick)
-  Expiration alerts: Daily

We'll learn your patterns and adjust over time.

[Looks good!] [Edit schedule]