Product Backlog

Feature 1: Recipe Management (CRUD for Recipes)

Description: Enables users to create, view, edit, and delete recipes with complete details, photos, and categorized organization.

Detail:

- The system must allow creating and editing recipes with a name, description, and yield (number of servings).
- The user can add a detailed list of ingredients with quantities in different units (grams, ounces, cups, tablespoons, etc.).
- The system must allow adding step-by-step instructions with estimated cooking times.
- Users can upload representative photos of the recipe and the final dish.
- The system must categorize recipes by type (starter, main course, dessert, beverage, etc.).
- The system must allow searching and filtering recipes by ingredient or category.
- The system must keep a version history of each recipe, allowing users to view and restore previous edits.

Feature 2: Smart Unit Conversion

Description: Provides intelligent conversions between metric and imperial units, adapting to each ingredient's specific density and enabling dynamic recipe scaling.

Detail:

- The system must automatically convert between metric and imperial units (grams ↔ ounces, milliliters ↔ cups, etc.).
- The user can view a conversion table for common ingredients, considering their specific density (e.g., 1 cup of flour ≠ 1 cup of sugar).
- The system must allow recipe scaling: if a recipe serves 2 portions but the user needs 10, ingredient and product quantities must update automatically.
- The system must calculate the yield dynamically based on the number of portions requested.

Feature 3: Ingredient Catalog

Description: Maintains a structured and centralized database of all ingredients, including their properties, pricing, and suppliers.

Detail:

- The system must include a catalog of ingredients with their properties (density, equivalences, conversions).
- Each ingredient must have a unit price (per kilogram, liter, or unit).
- The system must associate ingredients with their suppliers and respective prices.
- The system must allow real-time or manual updates of ingredient prices.

Feature 4: Cost Calculation

Description: Calculates the total and per-portion cost of recipes based on real ingredient prices and user-defined profit margins.

Detail:

- The system must calculate the total cost of each recipe based on the ingredients and quantities used.
- The user can view the cost per portion.
- The system must allow setting a configurable profit margin (per recipe or general).
- The system must suggest a selling price automatically (cost + margin).
- The system must allow comparing costs if ingredients or suppliers are changed.

Feature 5: Quotations and Budgets

Description: Facilitates the creation and management of quotations for clients, automatically calculating costs, taxes, and discounts with PDF export options.

Detail:

- The user can create personalized quotations for clients (e.g., catering for 50 people).
- The system must allow selecting multiple recipes to include in a quotation.
- The system must calculate the total cost, taxes (IVA), and applicable discounts.
- The system must allow generating a professional PDF quotation for download or sharing.
- The user can mark quotations as "pending," "approved," or "completed."
- The system must maintain a history of all created quotations.

Feature 6: Calendar

Description: Provides an interactive calendar that integrates with quotations, allowing users to manage events, deadlines, and receive notifications.

Detail:

- The system must include a calendar interface connected to quotations panel.
- The user can:
  - View and manage upcoming events, orders, or quotations by date.
  - Add custom events (e.g., "Client meeting," "Cake delivery," "Restock ingredients") directly by clicking on the calendar.
  - Link quotations or recipes to specific calendar dates (e.g., catering event scheduled for November 3).
  - Receive notifications or reminders for upcoming events, deadlines, or deliveries.
- The system must display different event types with visual distinctions (colors or icons: quotation, delivery, custom note, etc.).