

Senior Project

Group C

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Sprint 1

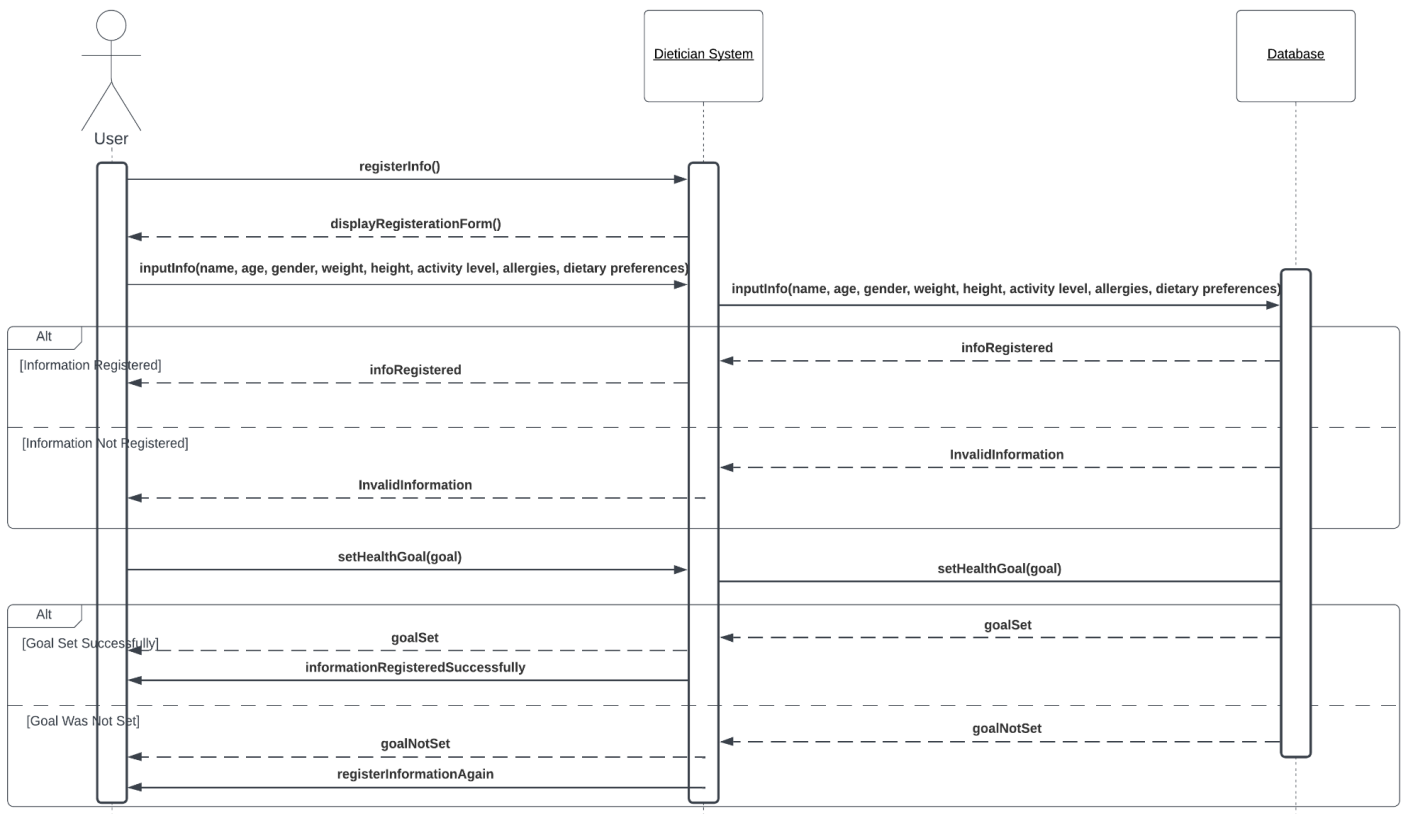
User Story 1: Profile Creation

1. As a user, I want to create a profile with my personal information, dietary preferences, and health goals.

Acceptance Criteria:

- Users should be able to register and create a personalized profile.
- Profile information should include age, gender, weight, height, activity level, allergies, and dietary preferences (e.g., vegetarian, vegan, gluten-free).
- Users should set specific health goals such as weight loss, muscle gain, or maintenance.

Profile Creation Sequence Diagram:



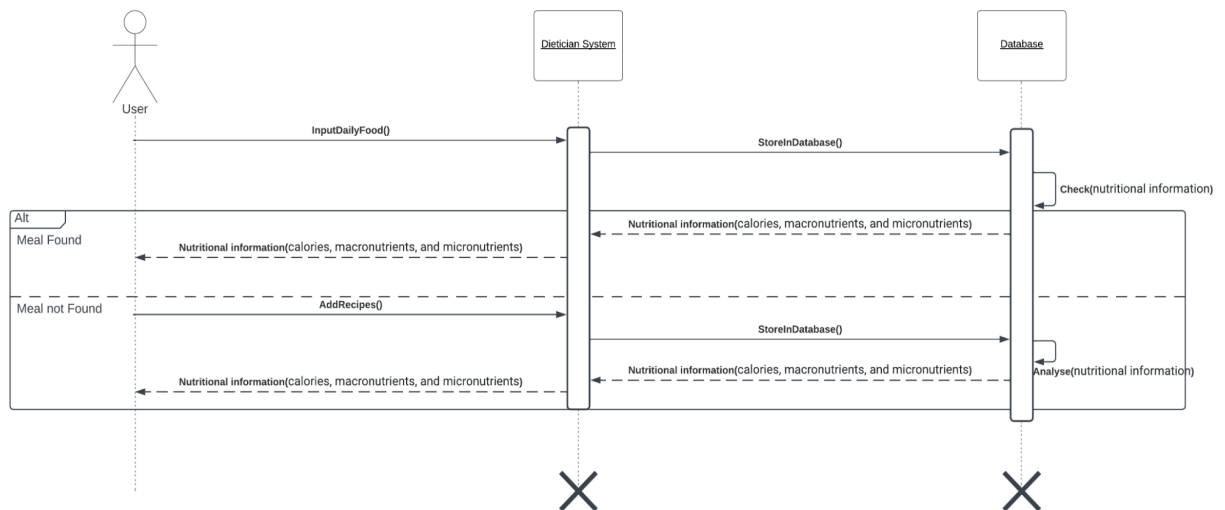
User Story 2: Manual Food Intake Input

2. As a user, I want to input my daily food intake manually, so the system can analyze its nutritional content.

Acceptance Criteria:

- Provide a user-friendly interface to manually log food items, portion sizes, and meal times.
- Allow users to add custom recipes or meals for accurate tracking.
- Calculate and display nutritional information, including calories, macronutrients, and micronutrients, for each entry.

Manual Food Intake Input Sequence Diagram:



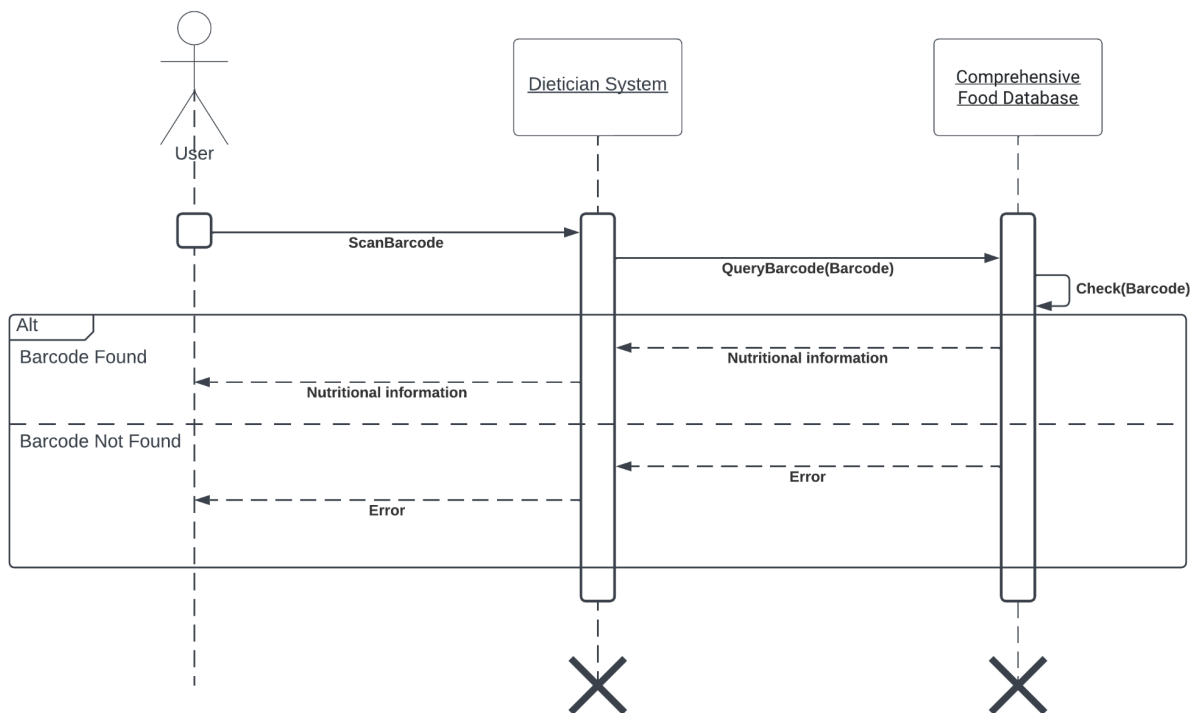
User Story 3: Barcode Scanning

3. As a user, I want to scan barcodes of food items to input them into the system easily.

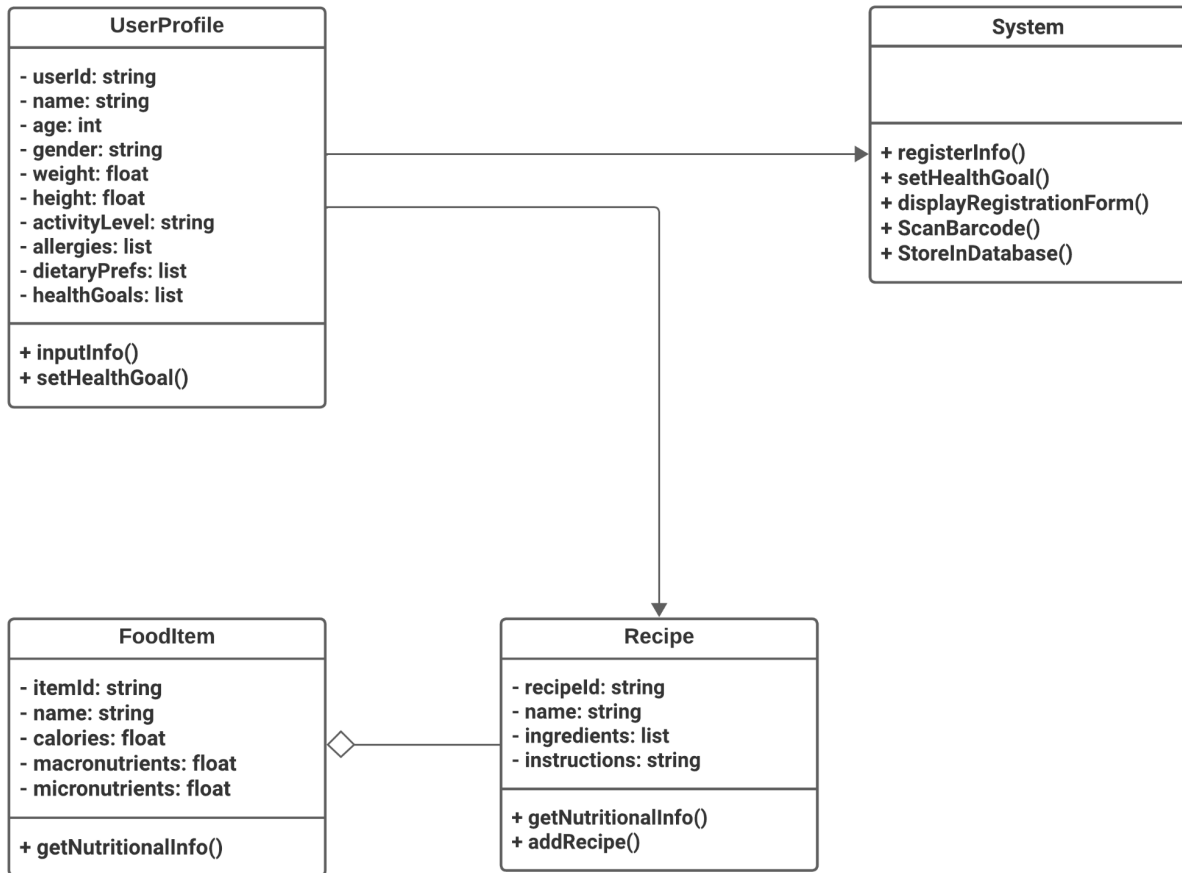
Acceptance Criteria:

- Implement a barcode scanning feature using the device's camera.
- Integrate with a comprehensive food database to retrieve nutritional data.
- Enable users to review and confirm scanned items for accuracy.

Barcode Scanning Sequence Diagram



Class Diagram



Database Schema

