Shape

Description automatically generated with low confidence**Use case U1.1:** Log daily calories consumed

**Relevant user story IDs**: A7, A10, A12, B4

**Actors:** user losing weight, user gaining weight, user maintaining weight 🡪 general user

**Related use cases**:

**Generalization of:**

* Scan barcode for nutrition information
* Search for food item for nutrition information

**Preconditions:** This use case assumes that the user has already set their custom weight goal and received a suggested daily caloric intake.

**User/system steps:**

**User actions** **System responses**

1. Choose “Add an entry” command 2. Dialog box appears

3. Specify method for inputting calories

(search or scan)

4. Choose “Confirm entry” command 5. Dialog disappears

**Post-conditions**: Food item and calories are added to the user’s calorie log, which can subsequently be accessed and viewed at the user’s discretion

**Use case U1.2:** View graph of calories logged vs. calorie goal

**Relevant user story IDs:** A7, A8

**Actors:** user losing weight, user gaining weight, user maintaining weight 🡪 general user

**Preconditions:** This use case assumes that the user has set their custom weight goal and received a suggested calorie intake, and that the user has logged at least one calorie entry.

**User/system steps:**

**User Actions System responses**

1. Choose “View graph” command 2. System displays graph

3. User views the graph

4. Choose “Close” command 5. Graph disappears

**Post-conditions:** After closing out the graph, the user is returned to the app’s home screen.

**Use case:** Set custom weight goals

**Relevant user story IDs:** A1, A4, A5, A6

**Actors:** user losing weight, user gaining weight, user maintaining weight 🡪 general user

**Related use cases:**

**Includes:**

* Choose to maintain current weight, lose, or gain weight

**Preconditions:** Use case assumes that the user has downloaded the app, that the user knows what their goals are, and that the user knows some basic information about themself.

**User/system steps:**

**User Actions System responses**

1. User opens app for the first time 2. Dialog appears prompting user for info

3. User fills in basic personal info 4. New dialog appears prompting user to select

their weight goals

5. User selects their weight goal 6. Dialog disappears

**Post-conditions:** User is then brought to the main home screen of the app.

**Use case:** Track daily macronutrients consumed

**Relevant user story IDs:** A2, A3

**Actors:** user losing weight, user gaining weight, user maintaining weight 🡪 general user

**Preconditions:** This use case assumes the user has set their custom weight goal and has received suggestions for daily macronutrient intake.

**User/system steps:**

**User Actions System responses**

1. Choose “Add an entry” command 2. Dialog box appears

3. User selects “Log macronutrient intake” 4. Dialog prompts user to input food

5. User inputs food via search or scan 6. Macronutrients are logged

**Post-conditions:** After macronutrients are logged, the user is returned to the app’s home screen.

**Use case:** Receive reminders to log calories

**Relevant user story IDs:** B3

**Actors:** user losing weight, user gaining weight, user maintaining weight 🡪 general user

**Preconditions:** This use case assumes that it is nearing the end of the day and that the user has not yet logged their food intake for that day.

**User/system steps**:

**User Actions System responses**

1. System notifies user to log their food intake

2. User opens the app 3. Notification disappears

4. User logs their food intake for that day

**Post-conditions:** After the user logs their food intake for the day, the system will not send another notification/reminder until the next time the preconditions are met.