**Enter Food and Amount**

**ID:** 1

**Brief Description:** Enter type of food eaten and the amount of food.

**Primary Actors:** User who is a calorie counter

**Secondary Actors:** none

**Preconditions:**

* The user is logged into the dieting app

**Main flow:**

* On the food entry page, the actor will enter the type of food eaten in the food input box and then the amount eaten in the amount input box and will enter type of amount by selecting the appropriate amount from a pull-down list (ounces, grams, tablespoons, etc.
* As the user inputs the food type and amount, the application retrieves total calories for the day and calculates calories for the food type and amount just added. It then adds them together and displays the new total calories consumed for the day.
* The system will store this information to use in other parts of the application such as calculating total calories consumed for the day, tracking water consumption, etc.

**Post conditions:**

* Information stored in application’s database.

**Alternative flows:**

* If a food type has been previously entered, the application remembers and will attempt to auto fill the food type for the user

**Calculate BMI**

**ID:** 2

**Brief Description:** User wants to calculate their BMI. This calculation is done as follows: BMI = (w + h2) \* 703.

**Actors:** Application user

**Secondary Actors:** None

**Preconditions:**

* The user is logged into the dieting app.

**Main Flow:**

* On the BMI calculation page, the actor will enter their weight in the weight input box and then their height in the height input box.
* The user will select the calculate button and the application will calculate through the BMI algorithm.
* The system will store this information to use in other parts of the application.

**Post Conditions:**

* Information stored in the application’s database

**Alternative Flows:**

* None

**User Profile**

**ID :** 1

**Brief description:** User will create a profile with their personal information

**Actors:** User

**Secondary Actors:** None

**Preconditions:**

* The user is logged into the dieting app

**Main Flow:**

* User goes to profile page
* User enters name, age, height, current weight, email, user ID, and password in the input fields provided

**Post Conditions:**

* The information is stored in the application database

**Alternative Flows:**

* If the password entered is a different password from the one already stored in the database, it triggers an email to the user from which they must verify their account.