**CRC**

**Web App Interface**

Class 1: Input

Responsibilities: Get user input from the type in and interface

Collaborators: GetInput

Class 2: ShowOutput

Responsibilities: get the calculated result from HTTP Handler and show them on the interface

Collaborators: ReturnOutput

**HTTP Req & Response Handler**

Class 1: GetInput

Responsibilities: Get user input from the front end

Collaborators: Input

Class 2: InputStorage

Responsibilities: Store input in appropriate data structures

Collaborators: BMI

Class 3: ReturnOutput

Responsibilities: Return calculated results to the front end

Collaborators: ShowOutput

**BMI Calculator**

API

Class 1: Profile

Responsibilities: Saves users sex, weight, height, daily caloric input, misc.

Collaborators: BMICalculator

Class 2: ProfileCalculator

Responsibilities: Calculate BMI (Body Mass Index), BMR (Basal Metabolic Rate), approximately how long he/she will take to reach targeted weight, user’s activity level on a score of (1-5), and user’s Caloric Deficit

Collaborators: Input Storage, Profile