TrackSimple

# Project Description

I would like to build a calorie tracker app. It will allow the user to input basic information about themselves (name, height, weight, goal weight, age, daily calorie goal) and then enter total items. The item would include a name, and calorie amount, and have the optional fields of protein, carbs, and fats.

It would be simple, and leave most things up to the user. The most beneficial thing this app would do is let you see how close you are to hitting your goal, going under, and over, and then compare the amount of calories you’ve eaten to the amount of calories you (should have) burned, and give you an approximate amount of weight lost that day.

# Data Layer

## tUser

* UserID
* username
* Password
* firstName
* lastName
* middleName
* Height
* Weight
* Goal weight
* Age

## V\_tUser (previous versions of User

* RevisionID
* UserID (references tUser)
* username
* Password
* firstName
* lastName
* middleName
* Height
* Weight
* Goal weight
* Age

## tUserGoals

* UserGoalID
* UserID (references tUser.UserID)
* dailyCalories
* dailyProtein
* dailyCarbs
* dailyFats
* dateAdded

## ctMeals

* code
* label

## tFoodEntries

* FoodEntryID
* UserID (references tUser.UserID)
* Meal (references ctMeals.code)
* Name
* Calories
* Protein
* Carbs
* Fats
* Date

# Web Service Endpoints

* User
  + Create user
  + Update User
  + Delete user
  + Login User
* UserGoals
  + Add Goals
  + Get Goals
* Food Entries
  + Add food entry
  + Get food entry by date
  + Get all food entries for user
  + Update food entry
  + Delete foor entry

# User Interface

The UI will use Angular Materials, as it has a familiar google feel to it. It will consist of the following pages:

* Login
* Sign Up
* Update User
  + (contains delete button)
* Add Goals
* Add food entry
* Update food entry
* Delete food entry
* Daily food entries

# User Accounts / Sessions

User accounts will be used to store the current data for the user on the database, as well as to restrict access to data that isn’t their own.