Application Description

Calorie Counter is an application that allows users in a private group of people to share their calorie tracking goals (food input, exercise output in calories) and basic nutrition goals – protein, carb, and fat intake (macros). A member's detail view (Exmaple: http://127.0.0.1:8000/member/1/) would allow the viewing of net calories in terms of deficit or gain for whichever direction they choose to maintain desired weight. The user can enter foods after they create a meal log into which to place it in "mealfoods". The data entered here is reflected on the users detail page in "net calories", macros and varying other information. A detail view of macros can be attained by clicking on the detail view of a meal log as well. Exercises all work similarly and figure into the Net Caloric intake/outtake. The user can set a calorie goal that works as baseline for caloric needs.

Future development considerations: Caloric goals should include ability to use a members height, weight, age, sex to determine a base metabolic rate and then work to adjust needs from there. This should be displayed on the member detail page. Daily macro intake should be displayed on the member detail page. Something akin to the member detail page should be what is displayed to a member upon logging in. This would require permissions separating everything member by member, which is outside the scope of the class requirements. I would also like to hide "meal foods" and have the form combined in "meal log" entry form so that the log would get all the data at once regardless of how the backend works and "meal foods" would be hidden from the user. Again, that is outside the scope of requirements.

Authentication and Authorization Scheme (see page 2 or PDF)

User IDs:

member - (can use "A MEMBER" in app for ease of use to test member)
tester - (superuser)
sysadmin - (superuser)

Passwords:

all passwords are {iSchoolUI}

Member group is restricted to only view other members and foods.

Permission/Group	member	tester	sysadmin
Member			
View	X	X	X
Add		X	X
Change		X	X
Delete		X	X
DailyMacroGoal			
View	X	X	X
Add	X	X	X
Change	X	X	X
Delete	X	X	X
Food			
View	X	X	X
Add		X	X
Change		X	X
Delete		X	X
MealFood			
View	X	X	X
Add	X	X	X
Change	X	X	X
Delete	X	X	X
MealLog			
View	X	X	X
Add	X	X	X
Change	X	X	X
Delete	X	X	X
Exercise			
View	X	X	X
Add	X	X	X
Change	X	X	X
Delete	X	X	X
ExerciseLog			
View	X	X	X
Add	X	X	X
Change	X	X	X
Delete	X	X	X
CalorieGoal			
View	X	X	X
Add	X	X	X
Change	X	X	X
Delete	X	X	X