

***note that I placed “A MEMBER” at top of long member list for ease of testing all functions.**

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.

How to test:

*enter todays date, whatever that may be, to make sure all data is associated and rendered correctly.

The user can add new foods if need be, enter foods in mealfoods AFTER they create a meal log into which to place them. Mealfoods is the associative entity connecting the many to many relationship between foods and meallogs. Exercises works similarly, allowing the input of exercise, then selection of the exercise in the exercise log. The user can set a calorie goal that works as baseline for caloric needs, which would need to be initially calculated by the user from base metabolic rate.

Once the data is entered the caloric intake or expenditure is reflected on the users detail page in “net calories” along with total and net macros and varying other information. A detail view of macros, exercise logs, etc. can be attained by clicking on the detail view of a meal log as well.

Future development considerations (for my memory): Date input should be automatic to current day, there needs to be a way to view past data as well. 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. Dockerize and add Tailwind and search capabilities.

Authentication and Authorization Scheme

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.

SEE FOLLOWING PAGE FOR CHART

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