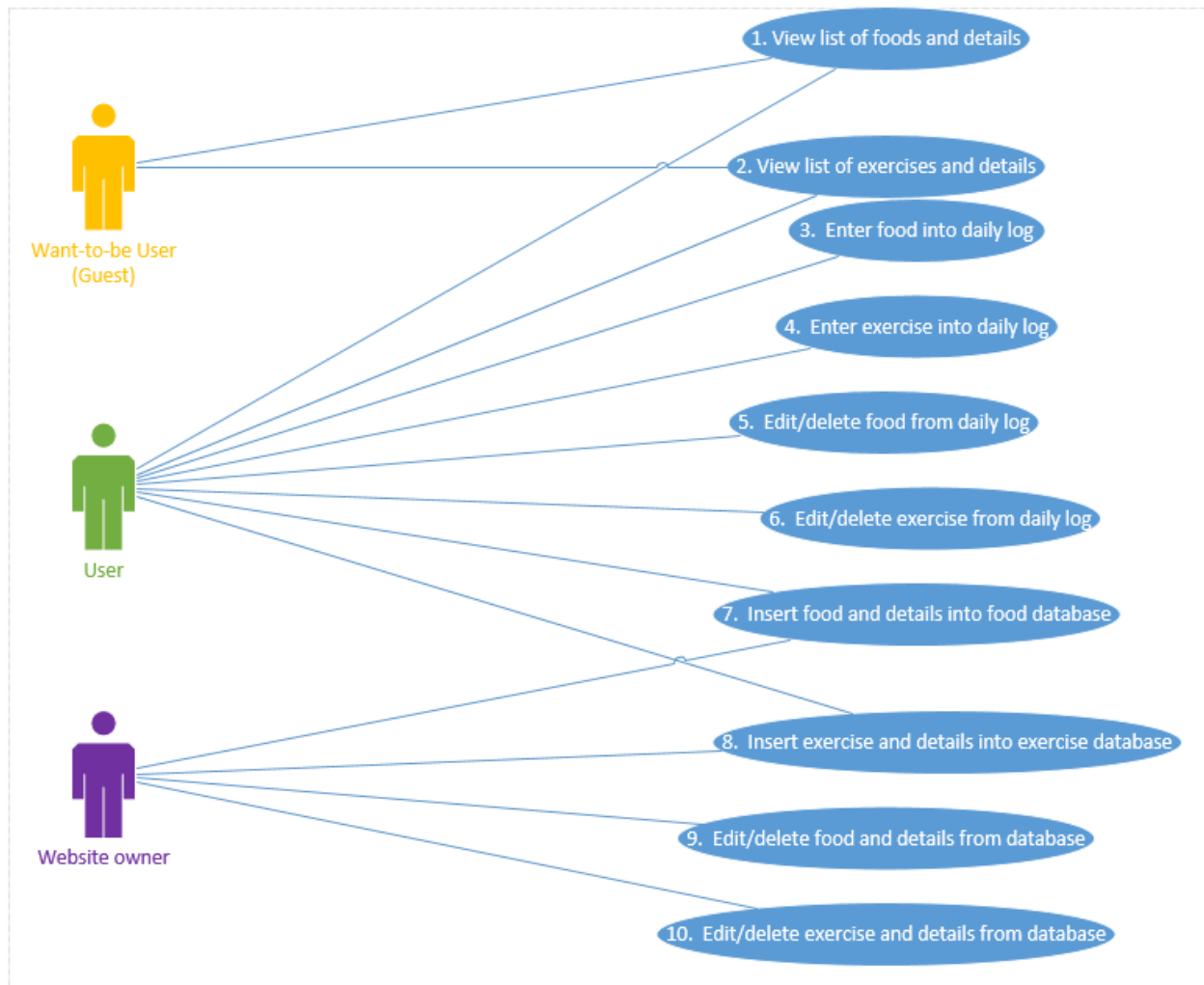


1. PROBLEM DESCRIPTION

We wish to create a website for users to track daily calorie intake and exercises. We will be building a calorie-tracking app that allows you to monitor how much you are eating and how many calories you are expelling through exercise. It will be mobile-based but may also have web-browser capabilities.

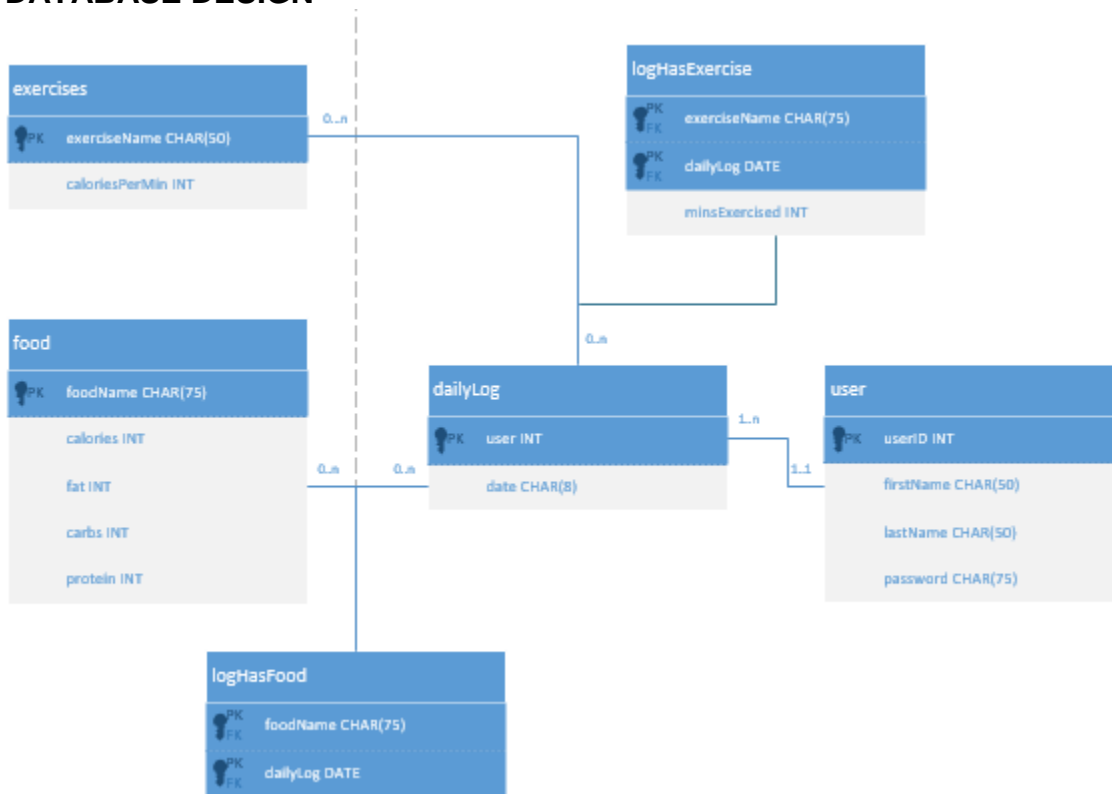
2. USER VIGNETTES/USE CASES



Want-to-be/Guest Users will have very limited accessibility to using the interface and adding to/editing the databases. Guest users should be able to only view lists of food and details and view lists of exercises and details. Users own the specific part of the data that store their daily logs. Therefore, users should have full control over their own personal daily log and have some accessibility to the databases. The user should be able to view lists of food and details, view lists of exercises and details, enter food into their daily log, enter exercises into their daily log, edit/delete food from their daily log, edit/delete exercises from their daily log, insert food and details into the food database, and insert exercises and details into the exercise database. The Website owner will have full control of the websites databases to include adding and deleting from the databases. The Website owner should be able to insert food and details into the food database, insert exercise and details into the exercise database, edit/delete food and

details from the food database, and edit/delete exercises and details from the exercise database.

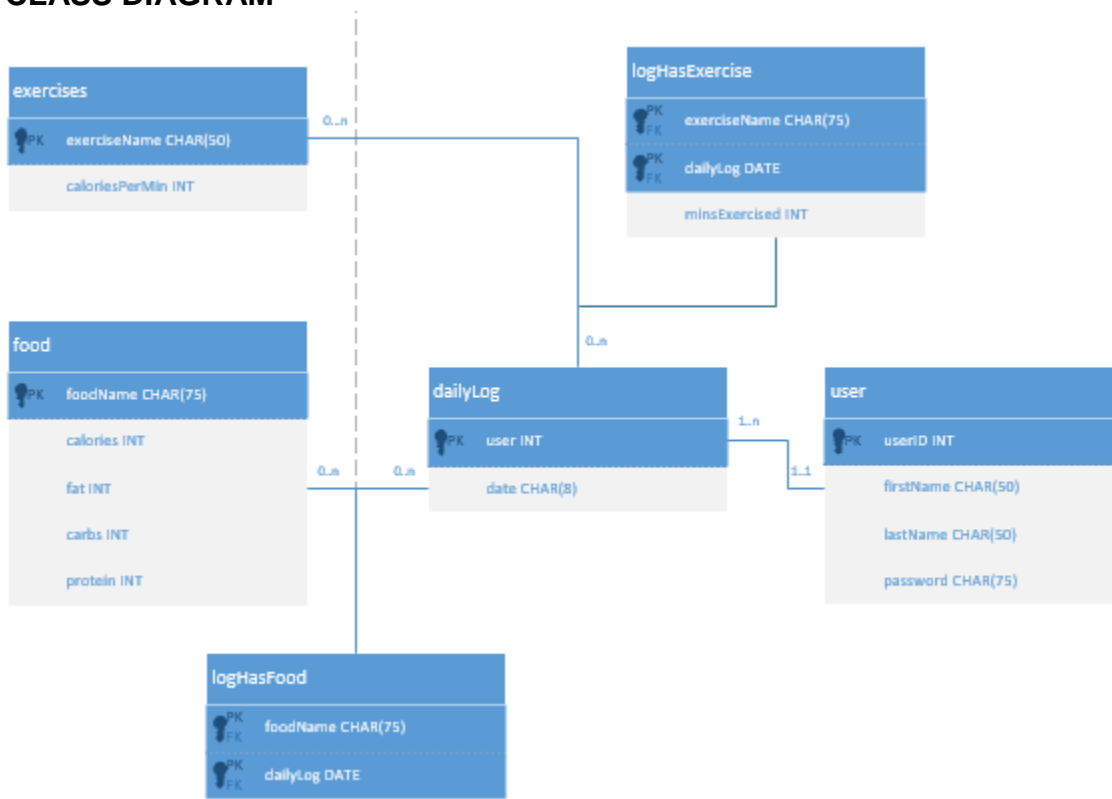
3. DATABASE DESIGN



4. INTERACTION DESIGN

<https://marvelapp.com/85fjh0e>

5. CLASS DIAGRAM



6. SEQUENCE DIAGRAM

Calorie Tracker

Home Food Exercise Get Calorie Tracker Sign in


Lose weight or increase your fitness with Calorie Tracker!

Sign up with email

Sign up with Facebook

Already have an account? Log in

Take a break from donuts!



Connect and compete with friends!

✓ Easy and fast

✓ Sign up for free today!

Studies prove keeping a food/ exercise journal **DOUBLES** the chances of you hitting your goals!

Calorie Tracker

Home Food Exercise Get Calorie Tracker Sign in

Food Search:

Most Popular

Salmon - brown sugar
Strawberry diet
Moring - vegetable

Newest

Bagel - with ice

Calorie Tracker

Home Food Exercise Get Calorie Tracker Sign in

Search exercise by name -OR- Choose an exercise below

Exercises found:

How many calories did I burn?

Weight:

Duration: minutes

Calories burned:

Browse exercise by name:

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Calorie Tracker

Sign up

create your free account

Step 1

Email address:

Password:

► Click here to log in

► Forgot password?

NEXT

Sign up

Calorie Tracker

create your free account

Step 2

Height: inches

Weight: pounds

I want to get to my goal by tracking:

☒ Calories
 ☐ Carbs
 ☐ Protein

NEXT

! All of these options are tracked but this is how we track your progress to your personal goal!

Sign up

Calorie Tracker

create your free account

Step 3 (final)

Goal: lose weight

I want to lose pounds

I want to reach my goal in months

My daily calorie goal is calories

Submit

This amount is calculated based on your stats.

Calorie Tracker

Home Food Exercise Get Calorie Tracker Log Out

Daily Summary

Goal Food - Exercise = Net

ADD FOOD

ADD EXERCISE

Breakfast

lunch

dinner

Snacks

h

m

t

w

th

f

s

Calorie Tracker

Home Food Exercise Get Calorie Tracker Log Out

Your log for Today

calories

carbs

fat

protein

Breakfast

ADD food

Lunch

ADD food

Dinner

ADD food

Snacks

ADD food

7. PRODUCT BACKLOG

To-Do	Estimation (Phase)	Priority
Prevent unauthorized users access to parts of the website	3	2
Develop website graphics	5	1
Deploy product	5	5
Create food database	3	3
Create exercise database	3	4

8. DETAILED TEST PLAN

- In order to test our model, template and view aspects under design, we will follow the proceeding steps:
 - Sign up with a username and password
 - Log in with the same username and password
 - View personalized log of food and exercise with details
 - Input food into daily log by searching for pre-entered food
 - Input food into daily log by adding a new food into the database
 - Input exercise into daily log by searching for pre-entered exercise
 - Input exercise into daily log by adding a new exercise into the database
 - Edit a food from daily log
 - Edit an exercise from daily log
 - Delete a food from daily log
 - Delete an exercise from daily log
 - Edit food within database

9. CODE MANAGEMENT PLAN

- Our team will be using a shared repository model. With this model, each contributor has a local clone of the repository, they pull before editing, and then commit and push once they're done. We will be using this model because there is only one central repository to worry about.