

Fitness/Social Media Application

Github Repo Link: <https://github.com/yzzqwd/CS546-Final.git>

Group Members (Group 3):

Chu, Qiushi

Naiburg, Joseph

Tartaglia, Ava

Yang, Zhuo

Users

The user collection will store all users. Users will be able to login and update their details.

They will also be able to create a username that will allow them to post.

```
{  
  
  "firstName": "John"  
  
  "lastName": "Doe",  
  
  "username": "johndoe123"  
  
  "Email": "JDoe@gmail.com",  
  
  "Gender": "Male",  
  
  "City": "Hoboken",  
  
  "State": "NJ",  
  
  "Age": 25,  
  
  "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",  
  
  "hashedPassword": "$2a$08$XdvNkfdNIL8F8xsuIUeSbNOFgK0M0iV5H0skfVn7.PWncSU.O",  
  
}
```

Name	Type	Description
firstname	string	A string containing the user's first name
lastname	string	A string containing the user's last name
username	string	A string containing the user's unique username they create
email	string	A string containing the user's email associated to the account
gender	string	A string containing the user's gender
city	string	A string containing the user's city in which they live
state	string	A string containing the user's state in which they live
age	Number	A number that indicates the users age
_id	string	A globally unique identifier to represent the user.
hashPassword	string	The password when users log in.

Health Status

This contains the users, associated with their ID, health status regarding weight, height, and any medical conditions.

```
{  
  
  "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",  
  
  "height": 175,  
  
  "weight": 190,  
  
  "Medical Conditions": "Asthma" ,  
  
  "BMI": 27,  
  
  "BF%": 19,  
  
}
```

Name	Type	Description
_id	string	A unique identifier to represent the id of the user
height	number	A number indicates the height of user(the unit is cm)
weight	number	A number indicates the weight of user(the unit is lb)
Medical Conditions	String	A string indicates the medical conditions of the user
BMI	number	Body Mass Index = $\text{weight}/(\text{height}^2)$ (kg/m ²)

BF%	number	Body Fat Rate, which can indicate the health condition of the user(percentage)
------------	---------------	---

Posts

For allowing users to post pictures of their workout from their username and associated ID with a caption.

```
{
  "post_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310"
  "_id": "7b7997a2-c0d2-4f8c-b2",
  "img": "http://www.google.com",
  "caption": "View Today",
  "time": "2/12/2012"
}
```

Name	Type	Description
post_id	string	The post ID.
_id	string	The id of the person who posted the post.
img	string	The posted image.
caption	string	The posted caption.

time	string	The time of the post.
-------------	---------------	------------------------------

Groups

This is a collection for users to create groups with other users that allows the group owner to post announcements and set goals for the group.

```
{  
  
  "group_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310"  
  
  "group_name": "Hoboken_Friends",  
  
  "group_owner": "johndoe123",  
  
  "group_usernames": ["johndoe123", "sarahsmith1", "johnny_appleseed"],  
  
  "long_term_goals": "Marathon Training",  
  
  "announcements": "Run 5 miles today",  
  
}
```

Name	Type	Description
group_id	string	String indicates the unique identifier of the group
group_name	string	String indicates the name of the group
group_owner	string	String indicates the owner of the group

group_usernames	Array of string	An array stores the list of group members
long_term_goals	string	String contains the long term goal of the group
Announcements	subdocument	Subdocument contains all of the announcements that published by group owner

Exercise

This is a collection for the user to track their own exercise on a daily basis with the option of choosing from the existing options or entering their own.

```
{
  "_id": "dsauhdioehwqps2213",
  "Outdoor": [{
    "Choice 1": "Free Running",
    "Choice 2": "Sport",
  }],
  "Indoor": [{
    "Choice 1": "Cardio",
    "Choice 2": "Sport",
    "Choice 3": "Legs",
    "Choice 4": "Arms",
    "Choice 5": "Full Body",
```

```
    }],  
    "Others": [{  
  
    }],  
}
```

Name	Type	Description
_id	string	String contains the id of the user
outdoors	subdocument	Subdocument contains choices of outdoor exercises
indoors	subdocument	Subdocument contains choices of indoor exercises
others	subdocument	Subdocument that allows users to indicate their specific exercise if it isn't listed