

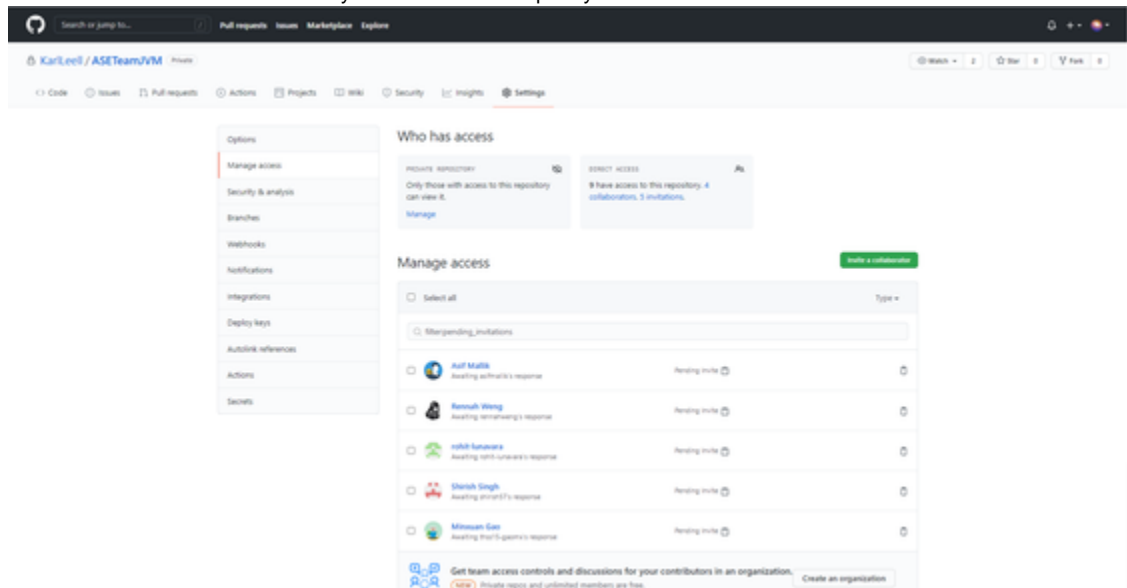
# Assignment T3: First Iteration

## Team JVM - Assignment T3

### Part 1 Project Page

Link to GitHub Repo: <https://github.com/KarlLeell/ASETTeamJVM>

The collaborator invitation has been sent to every IA while none accepted yet.



### Part 2 User Story

1. As a user, I want to be able to log in to the app so I can access my history from different devices if I am logged in.  
My conditions of satisfaction are:
  - a. No other user has the same username as I do.
  - b. My account is protected by a password that only I know
  - c. The website remembers that I have logged into the device for some period. During this period, I do not need to log in again if I visit the website again.
  - d. If I do not visit the website for a long time (e.g. a day), the website should automatically log me out, so that other users that access the same device will not be able to use my account.
2. As a user, I want to record my daily diet in the app so that I can see my diet history and get some statistics about my past diet records.  
My conditions of satisfaction are:
  - a. The app supports at least 5 types of food for me to choose from for each record
  - b. I can modify or delete the created diet record in case I made a mistake
  - c. The records are available on any device as long as I am logged in to the account.
  - d. The app can provide me with accurate statistics on the food I eat
  - e. I can see my history in a different time period (1 week, 1 month, 1 year)
3. As a user, I want to record my weight and on a daily basis so that I can track the changes in my weight throughout any period.  
My conditions of satisfaction are:
  - a. I can record my weight in either pounds or kilograms.
  - b. I can view my weight in either pounds or kilograms no matter which unit I used when entering it.
  - c. I can modify or delete the created weight record in case I made a mistake
  - d. The records are available on any device as long as I am logged in to the account.
4. As a user, I want to record my workout history so that I can keep track of the time and intensity of my past workouts.  
My conditions of satisfaction are:
  - a. The app can recognize different types of workout from the records I input
  - b. The app can provide me with statistics of my workout based on workout type and duration.
  - c. I can modify or delete the created workout record in case I made a mistake

- d. I should receive a warning when I am trying to delete a record or modify sensitive attributes of the record like date

We remove the display and advice sections temporarily because we have not implemented the frontend and the advice generator. The display section will be added back and tested once we finish the frontend implementation. If there is time after all the core features are correctly implemented, we will implement the advice generator.

#### User Story Testing Plan and Results

We plan to use both programmatic and manual testing to ensure the correct implementation of our system. The detailed test inputs and outputs are shown in the appendix at the end of this file

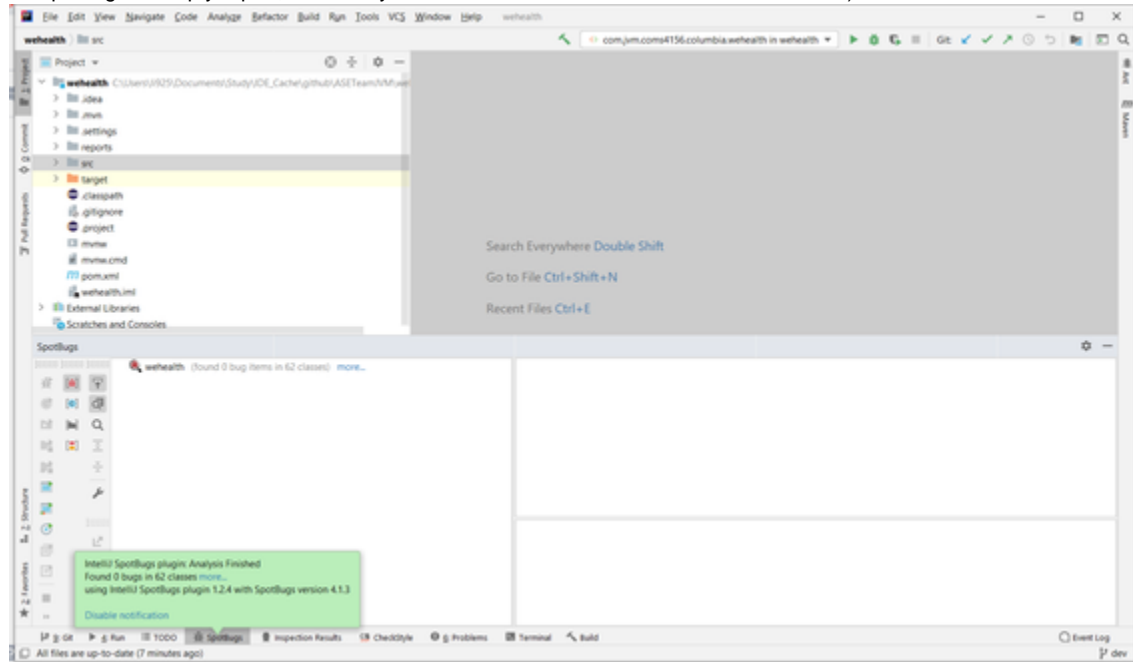
1. User register/login
    - a. Register performs as expected with both unregistered and registered username. When an unregistered username is passed to the register API then a new user is added to the database; when a registered username is passed in then an error message is returned.
    - b. Login performs as expected with both correct and incorrect username-password pair. When a correct pair is passed to the login API then an auth token is generated, recorded in the database, and returned to the user; when the pair is incorrect then an error message is returned
    - c. **TODD:** Currently, User authentication does not work properly with other services. This means that a user does not need to have an auth token to get services. We will fix this before the next iteration.
  2. Diet services
    - a. ADD diet records performs as expected with both valid and invalid input (invalid input contains unrecognized weight units such as "kilogram"). When the input is valid, the record is successfully written to the database; when the input is not valid then the record is not written.
    - b. GET diet records performs as expected with both valid and invalid selections of time length (invalid time length contain unrecognized units such as "quarter" and illegal length such as "-3"). The returns for valid input and the error messages for invalid input accord with expectation.
    - c. EDIT diet records performs as expected with both valid and invalid input (invalid input contains unrecognized diet history ID). When the input is valid, the record is successfully updated in the database; when the input is not valid then the record is not updated.
    - d. DELETE diet records performs as expected with both valid and invalid input (invalid input contains unrecognized diet history ID). When the input is valid, the record is successfully deleted in the database; when the input is not valid then the record is not deleted.
  3. Weight services
    - a. ADD weight records performs as expected with both valid and invalid input (invalid input contains unrecognized weight units such as "kilogram"). When the input is valid, the record is successfully written to the database; when the input is not valid then the record is not written.
    - b. GET weight records performs as expected with both valid and invalid selections of time length (invalid time length contain unrecognized units such as "quarter"). The returns for valid input and the error messages for invalid input accord with expectation.
    - c. EDIT weight records performs as expected with both valid and invalid input (invalid input contains unrecognized weight history ID). When the input is valid, the record is successfully updated in the database; when the input is not valid then the record is not updated.  
**Bug found and fixed:** Weight ID is stored as Integer in DB while parameter passed to DB calls have String.
    - d. DELETE weight records performs as expected with both valid and invalid input (invalid input contains unrecognized weight history ID). When the input is valid, the record is successfully deleted in the database; when the input is not valid then the record is not deleted.  
**Bug found and fixed:** Weight ID is stored as Integer in DB while parameter passed to DB calls have String.
  4. Exercise services
    - a. ADD exercise records performs as expected with valid and some input (unrecognized exercise type and user). When the input is valid, the record is successfully written to the database; when the input is not valid then the record is not written.  
**Bug found and fixed:** Non-positive duration should also be invalid input.
    - b. GET exercise records performs as expected with both valid and invalid selections of time length (invalid time length contain unrecognized units such as "quarter"). The returns for valid input and the error messages for invalid input accord with expectation.
    - c. EDIT exercise records performs as expected with valid and some invalid input (invalid input contains unrecognized exercise history ID, invalid exercise type, and invalid user). When the input is valid, the record is successfully updated in the database; when the input is not valid then the record is not updated.  
**Bug found and fixed:** Non-positive duration should also be invalid input.
    - d. DELETE exercise records performs as expected with both valid and invalid input (invalid input contains unrecognized exercise history ID). When the input is valid, the record is successfully deleted in the database; when the input is not valid then the record is not deleted.
  5. **General Bug found:** For some exceptions, the error message does not show up correctly. Will fix soon.
-

Link to unit tests: <https://github.com/KarlLeell/ASETeamJVM/tree/dev/wehealth/src/test/java/com/jvm/coms4156/columbia/wehealth>

Link to Maven file: <https://github.com/KarlLeell/ASETeamJVM/blob/dev/wehealth/pom.xml>

## Part 4

Link to latest SpotBug report: <https://github.com/KarlLeell/ASETeamJVM/tree/dev/wehealth/reports> (after the fixes, there is no bug, and the plugin does not allow exporting the empty report, so we only include the scanned files and a screenshot here)



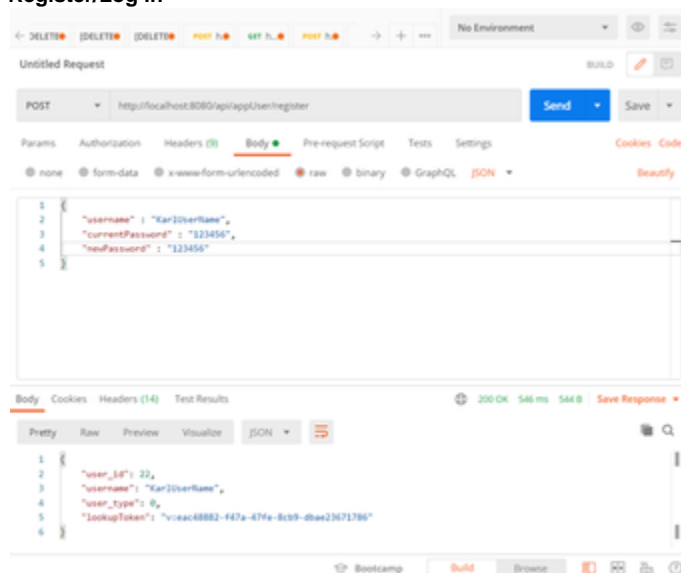
Link to earlier SpotBug report: <https://github.com/KarlLeell/ASETeamJVM/tree/dev/wehealth/reports/SpotbugReportOld>

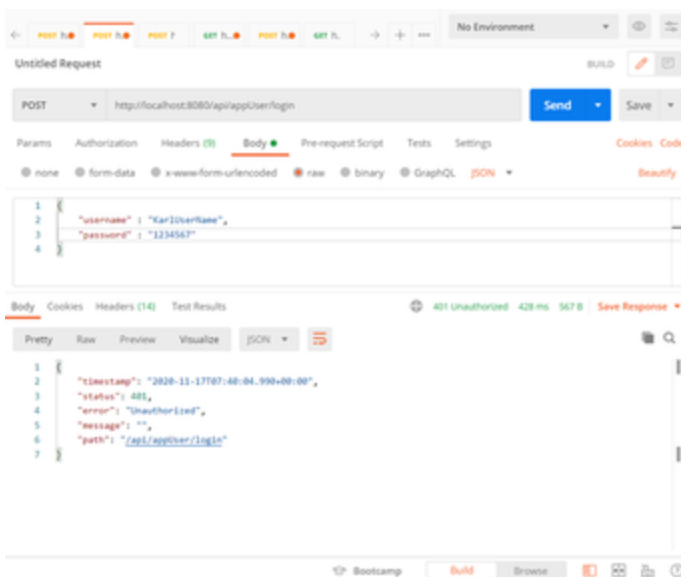
Link to latest StyleCheck report: <https://github.com/KarlLeell/ASETeamJVM/tree/dev/wehealth/reports/InspectionReportLatest>

Link to earlier StyleCheck report: <https://github.com/KarlLeell/ASETeamJVM/tree/dev/wehealth/reports/InspectionReportOld>

## Appendix A: Testing Results Snapshot

### Register/Log in





getDietHistory Examples BUILD

GET localhost:8080/diet/records Send Save

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```
1 {
2   "userId": "2"
3 }
```

Body Cookies Headers (14) Test Results Status: 200 OK Time: 722 ms Size: 930 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "dietHistoryList": [
3     {
4       "dietHistoryId": 1,
5       "dietTypeId": 160061,
6       "dietTypeName": "Acorn stew (Apache)",
7       "weight": 45359.0,
8       "unit": "gram",
9       "time": "2020-11-16 18:41:41",
10      "totalProtein": 3088.9478999999997,
11      "totalFat": 1573.9573,
12      "totalCarbs": 4182.0998,
13      "totalCalories": 43091.049999999996
14    },
15    {
16      "dietHistoryId": 2,
17      "dietTypeId": 160749,
18      "dietTypeName": "Alcoholic beverage, beer, light",
19      "weight": 100.0,
20      "unit": "gram",
21      "time": "2020-11-16 18:41:41",
22      "totalProtein": 0.24,
23      "totalFat": 0.0,
24      "totalCarbs": 1.64,
25      "totalCalories": 29.3977
26    }
27  ]
28 }
```

getDietHistory Examples BUILD

GET localhost:8080/diet/records?unit=quater&length=1 Send Save

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies Code

Query Params

| KEY  | VALUE  | DESCRIPTION | *** Bulk Edit |
|--|--------|-------------|---------------|
| <input checked="" type="checkbox"/> unit   | quater |             |               |
| <input checked="" type="checkbox"/> length | 1      |             |               |
| Key  | Value  | Description |               |

Body Cookies Headers (13) Test Results Status: 400 Bad Request Time: 90 ms Size: 447 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "message": "Invalid time unit."
3 }
```

getDietHistory

Examples 0 BUILD

GET localhost:8080/diet/records?unit=week&length=3 Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings

Query Params

| KEY  | VALUE | DESCRIPTION |
|--|-------|-------------|
| <input checked="" type="checkbox"/> unit   | week  |             |
| <input checked="" type="checkbox"/> length | -3    |             |
| Key  | Value | Description |

Body Cookies Headers (13) Test Results Status: 400 Bad Request Time: 145 ms Size: 476 B Save

Pretty Raw Preview Visualize JSON

```
1 {
2   "message": "Invalid time length: Duration must be positive."
3 }
```

updateDietHistory\_weightAndUnit

Examples 0 BUILD

PUT localhost:8080/diet/records/1 Send Save

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```
1 {
2   "userId": "2",
3   "dietTypeId": 168061,
4   "dietTypeName": "Acorn stew (Apache)",
5   "weight": 100,
6   "unit": "gram",
7   "protein": "6.81",
8   "fat": "3.47",
9   "carbs": "9.22",
10  "calories": "95"
11 }
```

Body Cookies Headers (14) Test Results Status: 200 OK Time: 1268 ms Size: 448 B Save Response

Pretty Raw Preview Visualize JSON

```
1 Successfully updated.
```

updateDietHistory\_weightAndUnit

Examples 0 BUILD

PUT localhost:8080/diet/records/1 Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "userId": "2",
3   "dietTypeId": 168061,
4   "dietTypeName": "Acorn stew (Apache)",
5   "weight": 100,
6   "unit": "kilogram",
7   "protein": "6.81",
8   "fat": "3.47",
9   "carbs": "9.22",
10  "calories": "95"
11 }
```

Body Cookies Headers (13) Test Results Status: 400 Bad Request Time: 268 ms Size: 475 B Save

Pretty Raw Preview Visualize JSON

```
1 {
2   "message": "Illegal weight unit, please use gram or pound."
3 }
```

getDietHistory

Examples 0 BUILD

GET localhost:8080/diet/records Send Save

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```

1 {
2   "userId": "2"
3 }

```

Body Cookies Headers (14) Test Results Status: 200 OK Time: 517 ms Size: 890 B Save Response

Pretty Raw Preview Visualize JSON

```

1 {
2   "dietHistoryList": [
3     {
4       "dietHistoryId": 1,
5       "dietTypeId": 168861,
6       "dietTypeName": "Acorn stew (Apache)",
7       "weight": 100.0,
8       "unit": "gram",
9       "time": "2020-11-16 18:41:41",
10      "totalProtein": 6.81,
11      "totalFat": 3.47,
12      "totalCarbs": 9.22,
13      "totalCalories": 95.0
14    },
15    {
16      "dietHistoryId": 2,
17      "dietTypeId": 168749,
18      "dietTypeName": "Alcoholic beverage, beer, light",
19      "weight": 100.0,
20      "unit": "gram",
21      "time": "2020-11-16 18:41:41",
22      "totalProtein": 0.24,
23      "totalFat": 0.0,
24      "totalCarbs": 1.64,
25      "totalCalories": 29.3977
26    }
27  ]
28 }

```

createDietHistory

Examples 0 BUILD

POST localhost:8080/diet/records Send Save

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```

1 {
2   "userId": "2",
3   "dietTypeId": 168861,
4   "dietTypeName": "Acorn stew (Apache)",
5   "weight": 250,
6   "unit": "gram",
7   "protein": "6.81",
8   "fat": "3.47",
9   "carbs": "9.22",
10  "calories": "95"
11 }

```

Body Cookies Headers (14) Test Results Status: 200 OK Time: 496 ms Size: 449 B Save Response

Pretty Raw Preview Visualize JSON

```

1 Successfully recorded.

```

createDietHistory

Examples 8 BUILD

POST localhost:8080/diet/records Send Save

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```
1 {
2   "userId": "2",
3   "dietTypeId": 168861,
4   "dietTypeName": "Acorn stew (Apache)",
5   "weight": 258,
6   "unit": "kilogram",
7   "protein": "6.81",
8   "fat": "3.47",
9   "carbs": "9.22",
10  "calories": "99"
11 }
```

Body Cookies Headers (13) Test Results Status: 400 Bad Request Time: 626 ms Size: 475 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "message": "Illegal weight unit, please use gram or pound."
3 }
```

deleteDietHistory

Examples 9 BUILD

DELETE localhost:8080/diet/records/4 Send Save

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```
1 {
2   "userId": "2"
3 }
```

Body Cookies Headers (14) Test Results Status: 200 OK Time: 329 ms Size: 448 B Save Response

Pretty Raw Preview Visualize JSON

```
1 Successfully deleted.
```

deleteDietHistory

Examples 9 BUILD

DELETE localhost:8080/diet/records/4 Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```
1 {
2   "userId": "2"
3 }
```

Body Cookies Headers (13) Test Results Status: 400 Bad Request Time: 275 ms Size: 446 B Save

Pretty Raw Preview Visualize JSON

```
1 {
2   "message": "Invalid recordId."
3 }
```

Weight



GET h... POST ? GET h... POST h... GET h... GET h... → + ... No Environment

Untitled Request BUILD

GET http://localhost:8080/weight/records Send Save

Params Authorization Headers (5) Body Pre-request Script Tests Settings Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```
1 {
2   "userId" : "22"
3 }
```

Body Cookies Headers (14) Test Results 200 OK 103 ms 459 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "weightHistoryList": []
3 }
```

Bootcamp Build Browse

GET h... POST ? GET h... POST h... GET h... POST h... → + ... No Environment

Untitled Request BUILD

POST http://localhost:8080/weight/records Send Save

Params Authorization Headers (5) Body Pre-request Script Tests Settings Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```
1 {
2   "userId" : "22",
3   "weight" : 50000.0,
4   "unit" : "gram"
5 }
```

Body Cookies Headers (14) Test Results 200 OK 296 ms 449 B Save Response

Pretty Raw Preview Visualize JSON

```
1 Successfully recorded.
```

Bootcamp Build Browse

POST ? GET h... POST h... GET h... POST h... POST h... → + ... No Environment

Untitled Request BUILD

POST http://localhost:8080/weight/records Send Save

Params Authorization Headers (5) Body Pre-request Script Tests Settings Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```
1 {
2   "userId" : "22",
3   "weight" : 110.2,
4   "unit" : "pound"
5 }
```

Body Cookies Headers (14) Test Results 200 OK 159 ms 449 B Save Response

Pretty Raw Preview Visualize JSON

```
1 Successfully recorded.
```

Bootcamp Build Browse

Untitled Request

POST http://localhost:3080/weight/records

Send Save

Params Authorization Headers (0) Body Pre-request Script Tests Settings Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```
1 {
2   "userId": "22",
3   "weight": 50,
4   "unit": "kilogram"
5 }
```

Body Cookies Headers (13) Test Results 400 Bad Request 146 ms 475 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "message": "Illegal weight unit, please use gram or pound."
3 }
```

Bootcamp Build Browse

Untitled Request

PUT http://localhost:3080/weight/records/8

Send Save

Params Authorization Headers (0) Body Pre-request Script Tests Settings Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```
1 {
2   "userId": "22",
3   "weight": 55000.0,
4   "unit": "gram"
5 }
```

Body Cookies Headers (14) Test Results 200 OK 665 ms 449 B Save Response

Pretty Raw Preview Visualize JSON

```
1 Successfully recorded.
```

Bootcamp Build Browse

Untitled Request

PUT http://localhost:3080/weight/records/11

Send Save

Params Authorization Headers (0) Body Pre-request Script Tests Settings Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```
1 {
2   "userId": "22",
3   "weight": 55000.0,
4   "unit": "gram"
5 }
```

Body Cookies Headers (14) Test Results 404 Not Found 153 ms 561 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "timestamp": "2020-11-17T15:56:33.646+00:00",
3   "status": 404,
4   "error": "Not Found",
5   "message": "",
6   "path": "/weight/records/11"
7 }
```

Bootcamp Build Browse

Untitled Request

DELETE http://localhost:8080/weight/records/9

Send Save

Params Authorization Headers (3) Body Pre-request Script Tests Settings Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```
1 {
2   "userId": "22",
3   "weight": 55000.0,
4   "unit": "gram"
5 }
```

Body Cookies Headers (14) Test Results 200 OK 162 ms 449 B Save Response

Pretty Raw Preview Visualize JSON

1 Successfully recorded.

Bootcamp Build Browse

Untitled Request

DELETE http://localhost:8080/weight/records/11

Send Save

Params Authorization Headers (3) Body Pre-request Script Tests Settings Cookies Code

Query Params

| KEY | VALUE | DESCRIPTION | *** Bulk Edit |
|-----|-------|-------------|---------------|
| Key | Value | Description |               |

Body Cookies Headers (14) Test Results 404 Not Found 122 ms 561 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "timestamp": "2020-11-17T16:00:37.501+00:00",
3   "status": 404,
4   "error": "Not Found",
5   "message": "",
6   "path": "/weight/records/11"
7 }
```

Bootcamp Build Browse

## Exercise

Get History

Examples BUILD

GET http://localhost:8080/exercise/records

Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "userId": 23
3 }
```

Body Cookies Headers (14) Test Results Status: 200 OK Time: 91 ms Size: 461 B Save

Pretty Raw Preview Visualize JSON

```
1 {
2   "exerciseHistoryList": []
3 }
```

POST http://localhost:8080/ Add exercise ...X No Environment

➤ Add exercise record Examples BUILD

POST http://localhost:8080/exercise/records Send

Params Authorization Headers Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "userId": 23,
3   "exerciseTypeName": "Yoga",
4   "duration": 10
5 }
```

Body Cookies Headers (14) Test Results Status: 200 OK Time: 6.75 s Size: 449 B See

Pretty Raw Preview Visualize JSON

1 Successfully recorded.

POST http://localhost:8080/ Add exercise ... No Environment

➤ Add exercise record Examples BUILD

POST http://localhost:8080/exercise/records Send

Params Authorization Headers Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "userId": 23,
3   "exerciseTypeName": "Boxing",
4   "duration": 45
5 }
```

Body Cookies Headers (14) Test Results Status: 200 OK Time: 6.68 s Size: 449 B See

Pretty Raw Preview Visualize JSON

1 Successfully recorded.

POST http://localhost:8080/ No Environment

Get History

GET http://localhost:8080/exercise/records Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {}
2 {"userId": 23}
3 {}
```

Body Cookies Headers (14) Test Results Status: 200 OK Time: 146 ms Size: 701 B See

Pretty Raw Preview Visualize JSON

```
1 {}
2 {"exerciseHistoryList": [
3   {
4     "exerciseHistoryId": 10,
5     "exerciseType": "Hot Yoga",
6     "duration": 30.0,
7     "time": "2020-11-17 09:11:59",
8     "totalCalories": 60.0
9   },
10  {
11    "exerciseHistoryId": 11,
12    "exerciseType": "Boxing",
13    "duration": 45.0,
14    "time": "2020-11-17 09:13:59",
15    "totalCalories": 315.0
16  }
17 ]}
18 {}
```

POST http://localhost:8080/ No Environment

Edit exercise record

PUT http://localhost:8080/exercise/records/11 Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {}
2 {"userId": 23,
3   "exerciseType": "Push-ups",
4   "duration": 45}
5 {}
```

Body Cookies Headers (14) Test Results Status: 200 OK Time: 254 ms Size: 449 B See

Pretty Raw Preview Visualize JSON

```
1 Successfully recorded.
```

POST http://localhost:3000/ GET http://localhost:3000/ POST Add exercise... PUT Edit exercise... No Environment

Get History

GET http://localhost:3000/exercise/records

Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings

none form-data www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "userId": 23
3 }
```

Body Cookies Headers (14) Test Results Status: 200 OK Time: 128 ms Size: 703 B Save

Pretty Raw Preview Visualize JSON

```
1 {
2   "exerciseHistoryList": [
3     {
4       "exerciseHistoryId": 18,
5       "exerciseTypeName": "Hot Yoga",
6       "duration": 38.0,
7       "time": "2020-11-17 03:11:59",
8       "totalCalories": 68.8
9     },
10    {
11      "exerciseHistoryId": 11,
12      "exerciseTypeName": "Push-ups",
13      "duration": 45.0,
14      "time": "2020-11-17 03:11:59",
15      "totalCalories": 225.0
16    }
17  ]
18 }
```

Delete exercise record

DELETE http://localhost:3000/exercise/records/10

Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings

none form-data www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "userId": 23
3 }
```

Body Cookies Headers (14) Test Results Status: 200 OK Time: 189 ms Size: 449 B Save

Pretty Raw Preview Visualize JSON

```
1 Successfully recorded.
```

POST http://localhost:3000/ GET http://localhost:3000/ POST Add exercise... PUT Edit exercise... DELETE Delete exercise... No Environment

Get History

GET http://localhost:3000/exercise/records

Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings

none form-data www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "userId": 23
3 }
```

Body Cookies Headers (14) Test Results Status: 200 OK Time: 105 ms Size: 582 B Save

Pretty Raw Preview Visualize JSON

```
1 {
2   "exerciseHistoryList": [
3     {
4       "exerciseHistoryId": 11,
5       "exerciseTypeName": "Push-ups",
6       "duration": 45.0,
7       "time": "2020-11-17 03:11:59",
8       "totalCalories": 225.0
9     }
10  ]
11 }
```

POST Register POST Log in GET Get history POST Add exercise POST Edit exercise DELETE exercise... No Environment

+ Add exercise record Examples 3 0 0 0

POST http://localhost:8080/exercises/records

Params Authorization Headers 0 Body Pre-request Script Tests Settings Cookies Code

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "user": {
3     "username": "Running"
4   }
5 }
```

Body Cookies Headers 0 Test Results Status: 400 Bad Request Time: 103 ms Size: 475 B See Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "message": "Exercise duration should be larger than zero"
3 }
```

POST Register POST Log in GET Get history POST Add exercise POST Edit exercise DELETE exercise... No Environment

+ Get history Examples 3 0 0 0

GET http://localhost:8080/exercises/records?unit=year&length=1

Params Authorization Headers 0 Body Pre-request Script Tests Settings

Query Params

| KEY  | VALUE | DESCRIPTION |
|--|-------|-------------|
| <input checked="" type="checkbox"/> unit   | year  |             |
| <input checked="" type="checkbox"/> length | 1     |             |
| Key  | Value | Description |

Body Cookies Headers 0 Test Results Status: 400 Bad Request Time: 105 ms Size: 476 B See

Pretty Raw Preview Visualize JSON

```
1 {
2   "message": "Invalid time length: duration must be positive."
3 }
```

POST Register POST Log in GET Get history POST Add exercise POST Edit exercise DELETE exercise... No Environment

+ Edit exercise record Examples 3 0 0 0

PUT http://localhost:8080/exercises/records/100

Params Authorization Headers 0 Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "user": {
3     "username": "Running",
4     "duration": 45
5   }
6 }
```

Body Cookies Headers 0 Test Results Status: 400 Bad Request Time: 129 ms Size: 530 B See

Pretty Raw Preview Visualize JSON

```
1 {
2   "timestamp": "2020-11-07T12:57:34.487db-00",
3   "status": 400,
4   "error": "Bad Request",
5   "message": "",
6   "path": "/exercises/records/100"
7 }
```

+ Delete exercise record Examples 3 0 0 0

DELETE http://localhost:8080/exercises/records/11

Params Authorization Headers 0 Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "user": {
3     "username": "Running"
4   }
5 }
```

Body Cookies Headers 0 Test Results Status: 401 Unauthorized Time: 303 ms Size: 360 B See

Pretty Raw Preview Visualize JSON

```
1 {
2   "timestamp": "2020-11-07T12:40:32.236db-00",
3   "status": 401,
4   "error": "Unauthorized",
5   "message": "",
6   "path": "/exercises/records/11"
7 }
```