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Final Project – Hybrid Option – Workout Tracker

Full URL: <https://swole-tracker.appspot.com>

This API is meant to be a RESTful implementation of a workout tracker. It consists of users (or wimps) and workouts. Below you will find the resource URLs along with the HTTP verbs (example: GET /wimps).

Below is a list of URLs and HTTP verbs and instructions for usage. Input should be given as a JSON like object with a series of key-value pairs. Any inputs required in the request body are listed.

**Wimp Entity**

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| name | string | Name of user. |
| sex | string | Sex user identifies as. |
| weight | integer | Weight in lbs. |
| age | integer | Age in years. |

Note: The api also stores the unique ID generated by Google Datastore for both Wimps and Workouts

**Workout Entity**

|  |  |  |
| --- | --- | --- |
| name | string | Name of workout performed. |
| reps | integer | Repetitions performed, if applicable. |
| duration | integer | Duration of time workout was performed, if applicable. |
| weight | integer | Weight of workout performed, if applicable. |
| User | String | The unique ID of the user that performed the workout. |

**API Actions**

**Get a list of wimps**

GET /wimps/

**Input**

None

**Add a wimp**

POST /wimps/

**Input**

JSON formatted string with the following key-value pairs.

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| name | string | Name of user. Unique. |
| sex | string | Sex user identifies as. |
| weight | integer | Weight in lbs. |
| age | integer | Age in years. |

**Get a single wimp**

GET /wimps/:wimp\_id

**Input**

None

**Modify a single wimp**

PATCH /wimps/:wimp\_id

**Input** (any fields can be modified)

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| name | string | Name of user. Unique. |
| sex | string | Sex user identifies as. |
| weight | integer | Weight in lbs. |
| age | integer | Age in years. |

**Get all workouts associated with a wimp**

GET /userworkouts/:wimp\_id

**Input**

None

Note: Returns all workouts associated with the wimp\_id provided.

**Delete a single wimp**

DELETE /wimps/:wimp\_id

**Input**

None

Note: All workouts associated with the user will also be deleted.

**Get a list of workouts**

GET /workouts/

**Input**

None

**Add a workout**

POST /workouts/

**Input**

|  |  |  |
| --- | --- | --- |
| name | string | Name of workout performed. |
| reps | integer | Repetitions performed, if applicable. |
| duration | integer | Duration of time workout was performed, if applicable. |
| weight | integer | Weight of workout performed, if applicable. |
| User | String | User ID for wimp performing the exercise. |

**Get a single workout**

GET /workouts/:workout\_id

**Input**

None

**Modify a single workout**

PATCH /workouts/:workout\_id

**Input**

|  |  |  |
| --- | --- | --- |
| name | string | Name of workout performed. |
| reps | integer | Repetitions performed, if applicable. |
| duration | integer | Duration of time workout was performed, if applicable. |
| weight | integer | Weight of workout performed, if applicable. |

Note: Users associated with workouts cannot be modified with this call.

**Delete a single workout**

DELETE /workouts/:workout\_id

**Input**

None

**Delete all workouts and wimps**

DELETE /clear

**Input**

None

Note: This is a helper resource and is purely for testing purposes. It removes all workouts and wimps.