
Samosa Documentation

Release Alpha Release

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Samosa helps you build leaderboards for various fitness devices, allowing you to compete with your friends.

Currently it supports:

- Jawbone Up
- Fitbit

Feature revisions could include -

- Garmin Vivofit
- Polar Loop
- Argus Lifetrak
- Nike Plus

CHAPTER 1

Features

- Easy to use API
- Support for many popular devices

CHAPTER 2

Samosa Components

CHAPTER 3

Samosa Bot

Samosa bot is responsible for collecting activities and stats from different APIs and storing it in Redis. The bot runs every 30 mins. (Configurable)

1. Add user details to Samosa

Typical details include the type of product they are using, and credentials that would help pull data on user's behalf from device provider's API

```
POST /user
```

```
Content-Type: application/json
```

```
{
  "name" : "Balaji Iyer",
  "device" : {fitbit,vivofit,up,nikeplus,argus},
  "credentials" : apikey, {username, password}, customer secret
}
```

Example **for** fitbit:

```
Content-Type: application/json
```

```
{
  "credentials": {
    "client_key": "xx",
    "client_secret": "xx",
    "resource_owner_key": "xx",
    "resource_owner_secret": "xx"
  },
  "device": "fitbit",
  "name": "balaji"
}
```

Example **for** jawbone-up:

```
Content-Type: application/json
```

```
{
```

```
"credentials": {
  "Authorization": "Bearer xx
},
"device": "jawbone-up",
"name": "Obul"
}
```

2. Get leaderboard

```
GET /leaderboard
```

```
[
  {
    "user": "sriram",
    "rank": 1,
    "data": { "steps":100, "calories": 200, "distance": 2.8 },
    "rankingmetric": "steps"
  },
  {
    "user": "balaji",
    "rank": 2,
    "data": { "steps":80, "calories": 200, "distance": 2.8 },
    "rankingmetric": "steps"
  }
]
```

By default, users will be ranked by steps, however the default ranking can be changed, ↪by passing a 'rankby' parameter.

```
GET /leaderboard?rankby={steps,calories,distance}
```

3. Get stats on a specific user

```
GET /stats?user={username}
```

```
{
  "user": "sriram",
  "rank": 1,
  "data": { "steps":100, "calories": 200, "distance": 2.8 },
  "rankingmetric": "steps"
}
```

CHAPTER 5

UI

Samosa prints a leaderboard by making an AJAX request to the API. Check `ui/leaderboard.html` for the source.

CHAPTER 6

Contribute

- Issue Tracker: github.com/balajiyer/samosa/issues
- Source Code: github.com/balajiyer/samosa

CHAPTER 7

Support

If you are having issues, please let us know using the [github Issue Tracker](#).

CHAPTER 8

License

The project is licensed under the GPL v2 license.