

---

# **komPYoot**

**Nishad Mandlik**

**Aug 26, 2022**



**CONTENTS:**

<b>1</b>	<b>komPYoot package</b>	<b>1</b>
1.1	komPYoot.api . . . . .	1
<b>2</b>	<b>ReadMe</b>	<b>5</b>
<b>3</b>	<b>Indices and tables</b>	<b>7</b>
	<b>Python Module Index</b>	<b>9</b>
	<b>Index</b>	<b>11</b>



## KOMPYOOT PACKAGE

## 1.1 komPYoot.api

Created on Tue Aug 2 12:51:22 2022.

@author: Nishad Mandlik

### class API

Bases: object

Class for interfacing with the Komoot API.

Refer to <https://static.komoot.de/doc/external-api/v007/index.html>

#### `__init__()`

Initialize a Komoot API object.

#### Return type

None.

#### `download_tour_gpx(tour_id, download_dir)`

Download tour in the GPX format.

#### Parameters

- **tour\_id** (*str*) – Tour ID.
- **download\_dir** (*str*) – Path of the directory where the downloaded tour will be saved.

#### Raises

**RuntimeError** – If no user is logged-in.

#### Returns

file\_name if download is successful, None otherwise.

#### Return type

str or None

#### `get_user_disp_name()`

Return the display name of the logged-in user.

#### Raises

**RuntimeError** – If no user is logged-in.

#### Return type

str.

**get\_user\_email()**

Return the email ID of the logged-in user.

**Raises**

**RuntimeError** – If no user is logged-in.

**Return type**

str.

**get\_user\_id()**

Return the user ID of the logged-in user.

**Raises**

**RuntimeError** – If no user is logged-in.

**Return type**

str.

**get\_user\_pic\_url()**

Return the display picture URL of the logged-in user. If picture is not set, None is returned.

**Raises**

**RuntimeError** – If no user is logged-in.

**Return type**

str or None.

**get\_user\_tours\_list(*tour\_type=None, tour\_status=None, sport=None, tour\_owner=None*)**

Get the list of tours for the logged-in user, according to the user-defined filters.

**Parameters**

- **tour\_type** (*TourType* or *None*, *optional*) – Bitwise OR-ed flags for filtering multiple tour types. The default is None.
- **tour\_status** (*TourStatus* or *None*, *optional*) – Bitwise OR-ed flags for filtering multiple tour statuses. The default is None.
- **sport** (*Sport* or *None*, *optional*) – Bitwise OR-ed flags for filtering multiple sports. The default is None.
- **tour\_owner** (*TourOwner* or *None*, *optional*) – Bitwise OR-ed flags for filtering activities according to creator (self or others). The default is None.

**Raises**

**RuntimeError** – If no user is logged-in.

**Returns**

**tours** – List of dictionaries containing details of tours.

**Return type**

list

**login(*email\_id, password*)**

Authenticate user credentials and generate access token for the Komoot API.

**Parameters**

- **email\_id** (*str*) – Email ID for Komoot account.
- **password** (*str*) – Password for Komoot account.

**Returns**

True if login is successful, False otherwise.

**Return type**

bool

**upload\_tour\_gpx**(*sport*, *file\_path*, *duration=None*)

Upload a GPX file as a recorded activity.

**Parameters**

- **sport** (*Sport*) – Type of sport for the tour.
- **file\_path** (*str*) – Path of the GPX file.
- **duration** (*int or None, optional*) – Time in motion (in seconds) for the tour. If None, Komoot assumes the duration of the entire tour to be the time in motion. The default is None.

**Raises****RuntimeError** – If no user is logged-in.**Returns**

True, if upload is successful, False otherwise.

**Return type**

bool

**class AutoFlag**(*value*)Bases: `IntFlag`

Flag Enum with auto value generation.

**class Sport**(*value*)Bases: `AutoFlag`

Flag Enum for Sports.

Obtained from <https://static.komoot.de/doc/external-api/v007/sports.html>**ALPINE\_SKIING** = 2097152**BIKE\_TOURING** = 4**BIKING** = 1**CROSS\_COUNTRY\_SKIING** = 1048576**E\_BIKE\_TOURING** = 2**E\_GRAVEL\_BIKING** = 32**E\_MT\_BIKING** = 128**E\_MT\_BIKING\_ENDURO** = 1024**E\_ROAD\_CYCLING** = 8**GRAVEL\_BIKING** = 64**HIKING** = 8192**MOUNTAINEERING** = 65536**MT\_BIKING** = 256

MT\_BIKING\_DOWNHILL = 512

MT\_BIKING\_ENDURO = 2048

NORDIC\_WALKING = 262144

OTHER = 33554432

ROAD\_CYCLING = 16

ROCK\_CLIMBING = 131072

RUNNING = 16384

SKATING = 32768

SKI\_TOURING = 524288

SLEDGING = 4194304

SNOWBOARDING = 8388608

SNOWSHOEING = 16777216

UNICYCLING = 4096

**class** TourOwner(*value*)

Bases: IntFlag

Enum for tour owner (logged-in user or other user).

OTHER = 2

SELF = 1

**class** TourStatus(*value*)

Bases: *AutoFlag*

Flag Enum for Tour Status (Public, Private).

PRIVATE = 2

PUBLIC = 1

**class** TourType(*value*)

Bases: *AutoFlag*

Flag Enum for Tour Type (Planned, Recorded).

PLANNED = 1

RECORDED = 2



## README

Python Interface for Komoot API



## INDICES AND TABLES

- `genindex`
- `modindex`
- `search`



## PYTHON MODULE INDEX

### k

`komPYoot`, [1](#)

`komPYoot.api`, [1](#)



## Symbols

`__init__()` (API method), 1

## A

ALPINE\_SKIING (Sport attribute), 3

API (class in `komPYoot.api`), 1

AutoFlag (class in `komPYoot.api`), 3

## B

BIKE\_TOURING (Sport attribute), 3

BIKING (Sport attribute), 3

## C

CROSS\_COUNTRY\_SKIING (Sport attribute), 3

## D

`download_tour_gpx()` (API method), 1

## E

E\_BIKE\_TOURING (Sport attribute), 3

E\_GRAVEL\_BIKING (Sport attribute), 3

E\_MT\_BIKING (Sport attribute), 3

E\_MT\_BIKING\_ENDURO (Sport attribute), 3

E\_ROAD\_CYCLING (Sport attribute), 3

## G

`get_user_disp_name()` (API method), 1

`get_user_email()` (API method), 1

`get_user_id()` (API method), 2

`get_user_pic_url()` (API method), 2

`get_user_tours_list()` (API method), 2

GRAVEL\_BIKING (Sport attribute), 3

## H

HIKING (Sport attribute), 3

## K

`komPYoot`

    module, 1

`komPYoot.api`

    module, 1

## L

`login()` (API method), 2

## M

module

`komPYoot`, 1

`komPYoot.api`, 1

MOUNTAINEERING (Sport attribute), 3

MT\_BIKING (Sport attribute), 3

MT\_BIKING\_DOWNHILL (Sport attribute), 3

MT\_BIKING\_ENDURO (Sport attribute), 4

## N

NORDIC\_WALKING (Sport attribute), 4

## O

OTHER (Sport attribute), 4

OTHER (TourOwner attribute), 4

## P

PLANNED (TourType attribute), 4

PRIVATE (TourStatus attribute), 4

PUBLIC (TourStatus attribute), 4

## R

RECORDED (TourType attribute), 4

ROAD\_CYCLING (Sport attribute), 4

ROCK\_CLIMBING (Sport attribute), 4

RUNNING (Sport attribute), 4

## S

SELF (TourOwner attribute), 4

SKATING (Sport attribute), 4

SKI\_TOURING (Sport attribute), 4

SLEDGING (Sport attribute), 4

SNOWBOARDING (Sport attribute), 4

SNOWSHOEING (Sport attribute), 4

Sport (class in `komPYoot.api`), 3

## T

TourOwner (class in `komPYoot.api`), 4

TourStatus (*class in komPYoot.api*), [4](#)  
TourType (*class in komPYoot.api*), [4](#)

## **U**

UNICYCLING (*Sport attribute*), [4](#)  
upload\_tour\_gpx() (*API method*), [3](#)