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# **GitSound Documentation**

***Release 1.0.0***

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December 07, 2015



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A program to version control Spotify playlists.

Contents:

**class** `gitsound.SpotifyUser` (*username, client\_id, client\_secret, redirect\_uri*)

A class that creates a Spotify user “self”

**add\_song\_to\_playlist** (*uid, pid, songid*)

Function to add song to playlist

**Parameters**

- **uid** (*string*) – user ID
- **pid** (*string*) – playlist ID to add song to
- **songid** (*string*) – ID of song to add

**Raises** `RuntimeError`

**commit\_changes\_to\_playlist** (*uid, pid*)

Function to commit changes to playlist

**Parameters**

- **uid** (*string*) – user ID
- **pid** (*string*) – playlist ID

**get\_playlist\_from\_id** (*pid*)

Function that returns playlist name from pid

**Parameters** **pid** (*string*) – playlist ID

**Returns** playlist name

**get\_playlist\_id** (*position*)

Function to get a single playlist’s ID

**Parameters** **position** (*string*) – specifies what playlist to get

**Returns** ID in following format ‘{“pid”: foo, “uid”: bar}’

**get\_playlist\_ids** ()

Function to get playlist ids of user

**Parameters** **self** – Spotify user

**Returns** list – list of ids in following format ‘{“pid”: foo, “uid”: bar}’

**get\_playlist\_name** (*position*)

Function that returns playlist name from position

**Parameters** **position** (*string*) – specifies what playlist to get name from

**Returns** playlist name

**get\_playlist\_names** ()

Function to get all playlist names

**Returns** list – of playlist names

**get\_playlist\_tracks** (*uid, pid*)

Function to get tracks from pid

**Parameters**

- **uid** (*string*) – user ID

- **pid** (*string*) – playlist ID

**Returns** list – tracks on playlist corresponding to pid

**init\_git\_playlist** (*uid, pid*)

Function to initialize playlist.

**Parameters**

- **uid** (*string*) – user ID
- **pid** (*string*) – playlist ID to initialize

**Raises** RuntimeError

**pull\_spotify\_playlist** (*uid, pid*)

Function to pull playlist from Spotify

**Parameters**

- **uid** (*string*) – user ID
- **pid** (*string*) – playlist ID

**Returns** string – stating status of pull (either successfull or not)

**remove\_song\_from\_playlist** (*uid, pid, songid*)

Function to remove song from playlist

**Parameters**

- **uid** (*string*) – user ID
- **pid** (*string*) – playlist ID to remove song from
- **songid** (*string*) – ID of song to remove

**Raises** RuntimeError

**song\_lookup** (*name=None, artist=None, limit=1*)

Function to look up song

**Parameters**

- **name** (*string*) – name of song
- **artist** (*string*) – artist of song
- **limit** (*int*) – max number of results to be returned

**Returns** dictionary – with track name, artist, and ID

**util.check\_if\_git\_playlist** (*gitDir, playlistPath*)

Function to check if playlist path is valid

**Raises** RuntimeError

**util.load\_config** ()

Function to load the config file

**Returns** the config file

**Raises** RuntimeError

**util.save\_config** (*data*)

Function to save the config file

**Raises** RuntimeError

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