
Bot-Chucky Documentation

Release 0.0.3

Nick Hale

Nov 13, 2017

Contents

1 Contents	3
Python Module Index	7

v0.0.3 ([Github](#))

Bot-Chucky is a Facebook Messenger Bot API, capable of interacting with the user, providing integration with Twitter, Gmail, SoundCloud, StackExchange and weather updates.

1.1 Installation

At the command line:

```
pip install bot_chucky
```

Note: Support for Python 3.6+.

1.2 User Guide

If you want test your application on a local machine:

- Install ngrok: <https://ngrok.com/download> - will enable an *HTTPS* route for you
- Open Weather Map: <https://openweathermap.org/api> - create a *TOKEN*, then you will be able to send weather information to a user

Chucky currently provides:

- Send message
- Send weather information
- Search SoundCloud, based on artist
- Search StackExchange for answers
- Generate own flow

Search SoundCloud, based on artist/Search StackExchange for answers/Generate own flow will be available in a new version.

This list will be expanded.

1.3 Examples

- Flask example:

```
from flask import Flask, request

from bot_chucky.bot import BotChucky
from bot_chucky.utils import get_sender_id, get_user_text

token = 'YOUR_FACEBOOK_PAGE_TOKEN'

# Init a Flask app
app = Flask(__name__)

# Create an instance of Chucky object
# If you want to send weather information
# You need to set your Open Weather API key
bot = BotChucky(token, open_weather_token='YOUR_OPEN_WEATHER_TOKEN')

@app.route('/', methods=['GET'])
def handle_verification():
    # Verify your facebook PAGE.
    return request.args['hub.challenge']

@app.route('/', methods=['POST'])
def handle_messages():
    data = request.json
    if data['object'] == 'page':
        for entry in data['entry']:
            for event in entry.get('messaging'):
                if event.get('message'):
                    # Get a user id
                    sender_id = get_sender_id(data)

                    # Get a user text
                    text = get_user_text(data)

                    # NOTICE: if you want send message to a user
                    # use send_message function
                    # if you want to send a weather info
                    # use only send_weather_info function
                    bot.send_message(sender_id, text)
                    bot.send_weather_message(sender_id, text)

                if event.get('delivery'):
                    pass

    return 'ok', 200

if __name__ == '__main__':
    app.run(debug=True)
```


1.4 bot_chucky

1.4.1 Bot-Chucky package

Submodules

bot_chucky.bot module

bot_chucky.constants module

Constants file

bot_chucky.errors module

Exception classes

exception bot_chucky.errors.**BotChuckyError** (*msg*)
Bases: exceptions.Exception

exception bot_chucky.errors.**BotChuckyInvalidToken**
Bases: exceptions.Exception

exception bot_chucky.errors.**BotChuckyTokenError** (*api_name*)
Bases: exceptions.Exception

bot_chucky.helpers module

bot_chucky.test module

bot_chucky.utils module

Module contents

1.5 Contribution

- Fork or clone repository
- Create a branch such as **feature/bug/refactor** and send a Pull request
- modindex
- search

b

`bot_chucky`, 5

`bot_chucky.constants`, 5

`bot_chucky.errors`, 5

B

bot_chucky (module), 5
bot_chucky.constants (module), 5
bot_chucky.errors (module), 5
BotChuckyError, 5
BotChuckyInvalidToken, 5
BotChuckyTokenError, 5