flask$_{feature_flag}$

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Flask Feature Flag is a tool to activate and deactivate project functionalities

CHAPTER 1

Get the code

The source is available on GitLab.

1.1 Installation

Install Flask Feature Flag is pretty simple. Here is a step by step plan to how do it.

You have to install the package in the virtual environment:

```
pip install flask-feature-flag
```

1.2 Configuration

Setting client environment variables

1.2.1 Config

You should add this to your `config.py`

- **Feature flag type availables.**
  - FLASK_CONFIG
  - MONGO

Example:

```
FEATURE_FLAG_TYPE = 'FLASK_CONFIG'
```

If you use the FLASK_CONFIG type, it is required to add the following:

Example:

```
FEATURE_FLAGS = { # Variable required
    'YOUR_FEATURE_FLAG': os.environ.get('YOUR_FEATURE_FLAG', True)
}
```

1.3 User Guide

Here you will learn how to use the package correctly and you will see useful examples

1.3.1 Decorators

List of available decorators:

```
is_enabled
command_enabled
route_enabled
use_case_enabled
on
```

1.3.2 is_enabled

This decorator allows to activate or deactivate a functionality and receives as parameters a function to return in case feature is disabled and the name of the feature

Example:

```
from flask_feature_flag import Flag

flag = Flag()

def error():
    return dict(massage='this is a mistake')

@flag.is_enabled(error, 'YOUR_FEATURE_NAME')
def hello(name):
    return dict(message=f'Hi, {name}')
```

1.3.3 command_enabled

This is a decorator that activates or deactivates a command and receives as parameter the name of the feature

Example:

```
import click
from flask_feature_flag import Flag

flag = Flag()

@flag.command_enabled('YOUR_FEATURE_NAME')
@click.command('hello')
def hello():
    click.echo('Hello')
```

1.3.4 route_enabled

This is a decorator that activates or deactivates a flask route and receives as parameter the name of the feature

Example:

```
from flask import Flask
from flask_feature_flag import Flag

app = Flask(__name__)
flag = Flag()

@flag.route_enabled('YOUR_FEATURE_NAME')
@app.route('/')
def hello_world():
    return 'Hello, World!'
```

1.3.5 use_case_enabled

This is a decorator that activates or deactivates a use case class and receives as parameter the name of the feature

Example:

```
from flask_feature_flag import Flag

flag = Flag()

class SignUpUseCase:

    @flag.use_case_enabled('YOUR_FEATURE_NAME')
    def handle(self):
        return dict(http_code=200, message='OK')
```

1.3.6 on

This is a function that activates or deactivates a feature

Example:

```
from flask_feature_flag import Flag

flag = Flag()

if flag.on('YOUR_FEATURE_NAME'):
    print('HelloWorld')
```

CHAPTER 2

Indices and tables

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