
kobin Documentation

Release 0.0.3

Masashi Shibata

February 27, 2016

1	Requirements	3
1.1	Getting Started	3
2	Installation	5
3	Usage	7
3.1	License	7
3.2	Resources	7
3.3	Kobin documentation contents	8
3.4	Indices and tables	10



This library is a pre-release. Expect missing docs and breaking API changes.

Some reasons you might want to use Kobin.

- **Statically-typed** web framework with PEP 0484(Type Hints).
- **Minimal source code** for solving your problems when you are troubled.
- Requires routing, jinja2 support, WSGI request and response wrapper and so on.

Requirements

- Supported python version is 3.5 only.

Kobin Requires the following:

- Python 3.5

The following packages are optional:

- Jinja2
- gunicorn

1.1 Getting Started

Installation

```
$ pip install kobin  
$ pip install gunicorn  
$ pip install jinja2
```

Usage

```
from kobin import Kobin, request, response, template

app = Kobin()
app.config.update({
    'SERVER': 'gunicorn',
    'HOST': '127.0.0.1',
    'PORT': 8080,
})

@app.route('/')
def index():
    return "Hello Kobin!"

@app.route('/tasks/(?P<task_id>\d+)/$')
def task_detail(task_id: int):
    response.add_header('key', 'value')
    tasks = ('task1 is ...', 'task2 is ...', 'task3 is ...', )
    return template('task', request=request, task_id=task_id)

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

3.1 License

This software is licensed under the MIT License.

3.2 Resources

- [Github](#)
- [PyPI](#)

3.3 Kobin documentation contents

3.3.1 Tutorial

Installation

Install using pip, including any optional packages you want..

```
$ pip install kobin
$ pip install jinja2
$ pip install gunicorn
```

We're ready to create our web site now.

Creating web site

app.py

```
from kobin import Kobin, request, response, template

app = Kobin()
app.config.load_from_pyfile('config.py')

@app.route('^/$')
def index():
    response.add_header('key', 'value')
    return template('index')

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

config.py

```
import os

BASE_DIR = os.path.dirname(os.path.abspath(__name__))
TEMPLATE_DIRS = [os.path.join(BASE_DIR, 'templates')]
STATICFILES_DIRS = [os.path.join(BASE_DIR, 'static')]
STATIC_URL = '/static/'

PORT = 8080
HOST = '127.0.0.1'
SERVER = 'gunicorn'
```

static/index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Hello Kobin</title>
    <link rel="shortcut icon" href="/static/favicon.ico">
    <link rel="stylesheet" href="/static/style.css">
</head>
<body>
    <header>
        <div class="container">
```

```
        <h1 style="color: #eeeeee">Kobin: lightweight web application framework.</h1>
    </div>
</header>
<main>
    <div class="container">
        <p>Hello {{ name }}! with Jinja2 template.</p>
    </div>
</main>
<footer>
    <p style="text-align: center;">Powered by Kobin.</p>
</footer>
</body>
</html>
```

static/style.css

```
body {
    display: flex;
    min-height: 100vh;
    flex-direction: column;
    margin: 0;
}
header {
    background-color: #333333;
}
main {
    flex: 1;
}
footer {
    margin: 30px 0;
}
.container {
    max-width: 980px;
    width: 100%;
    margin: 0 auto;
}
```

3.3.2 Modules

`kobin`

`kobin.app`

`kobin.environs`

`kobin.exceptions`

`kobin.routes`

`kobin.server_adapters`

`kobin.static_files`

`kobin.templates`

3.4 Indices and tables

- [genindex](#)
- [modindex](#)
- [search](#)