
Flask-Menu Documentation

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Flask-Menu is an extension for Flask that adds support for generating menus.

This part of the documentation will show you how to get started in using Flask-Menu with Flask.

Installation

Install Flask-Menu with `pip`

```
pip install Flask-Menu
```

The development version can be downloaded from [its page at GitHub](#).

```
git clone https://github.com/inveniosoftware/flask-menu.git
cd flask-menu
python setup.py develop
source run-tests.sh
```

1.1 Requirements

Flask-Menu has the following dependencies:

- [Flask](#)
- [six](#)

Flask-Menu requires Python version 2.6, 2.7 or 3.3+

Quickstart

This guide assumes you have successfully installed Flask-Menu and a working Flask application. If not, follow the Flask Quickstart guide.

2.1 A Minimal Example

A minimal Flask-Menu usage looks like this:

```
from flask import Flask
from flask.ext import menu

app = Flask(__name__)

# Initialize Flask-Menu
menu.Menu(app=app)

@app.route('/')
@menu.register_menu(app, '.', 'Home')
def index():
    pass

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

Save this as `app.py` and run it using your Python interpreter.

```
$ python app.py
* Running on http://127.0.0.1:5000/
```

Templating

By default, a proxy object to *current_menu* is added to your Jinja2 context as *current_menu* to help you with creating navigation bar. For example:

```
<ul>
{%- for item in current_menu -%}
  <li>
    <a href="{{ item.url }}">{{ item.text }}</a>
    {%- if item.children -%}
      <ul>
        {{ loop(item.children) }}
      </ul>
    {%- endif -%}
  </li>
{%- endfor -%}
</ul>
```

Blueprint Support

The most important part of a modular Flask application is Blueprint. You can create one for your application somewhere in your code and decorate your view function, like this:

```
from flask import Blueprint
from flask.ext import menu

bp_account = Blueprint('account', __name__, url_prefix='/account')

@bp_account.route('/')
@menu.register_menu(bp_account, '.account', 'Your account')
def index():
    pass
```

Sometimes you want to combine multiple blueprints and organize the navigation to certain hierarchy.

```
from flask import Blueprint
from flask.ext import breadcrumbs

bp_social = Blueprint('social', __name__, url_prefix='/social')

@bp_account.route('/list')
@menu.register_menu(bp_social, '.account.list', 'Social networks')
def list():
    pass
```

As a result of this, your *current_breadcrumbs* object will contain a list with 3 items during processing request for */social/list*.

```
>>> from example import app
>>> from flask.ext import menu
>>> import account
>>> import social
>>> app.register_blueprint(account.bp_account)
>>> app.register_blueprint(social.bp_social)
>>> with app.test_client() as c:
...     c.get('/social/list')
...     assert current_menu.submenu('account.list').active
...     current_menu.children
```

API Reference

If you are looking for information on a specific function, class or method, this part of the documentation is for you.

5.1 API Docs

This documentation is automatically generated from Flask-Menu's source code.

5.1.1 Flask extension

class flask.ext.menu.**Menu** (*app=None*)

Extension object for invenio.ext.menu

static root ()

Returns Root entry of current application's menu.

5.1.2 Decorators

flask.ext.menu.**register_menu** (*app, path, text, order=0, endpoint_arguments_constructor=None, dynamic_list_constructor=None, active_when=None, visible_when=None*)

Decorate endpoints that should be displayed in a menu.

Example:

```
@register_menu(app, '.', _('Home'))
def index():
    pass
```

Parameters

- **app** – Application or Blueprint which owns the function view.
- **path** – Path to this item in menu hierarchy, for example 'main.category.item'. Path can be an object with custom `__str__` method: it will be converted on first request, therefore you can use `current_app` inside this `__str__` method.
- **text** – Text displayed as link.
- **order** – Index of item among other items in the same menu.

- **endpoint_arguments_constructor** – Function returning dict of arguments passed to `url_for` when creating the link.
- **active_when** – Function returning `True` when the item should be displayed as active.
- **visible_when** – Function returning `True` when this item should be displayed.
- **dynamic_list_constructor** – Function returning a list of entries to be displayed by this item. Every object should have ‘text’ and ‘url’ properties/dict elements. This property will not be directly affect the menu system, but allows other systems to use it while rendering.

5.1.3 Proxies

`flask.ext.menu.current_menu`
Root of a menu item.

Additional Notes

Notes on how to contribute, legal information and changelog are here for the interested.

6.1 Contributing

See <<http://invenio-software.org/wiki/Development/Contributing>> for now.

6.2 Changelog

Here you can see the full list of changes between each Flask-Menu release.

6.2.1 Version 0.1.0 (released 2014-06-27)

- Initial public release.

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6.3.1 Authors

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