
flask-paginate Documentation

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CHAPTER 1

Overview

Latest version: **2021.10.25**

flask-paginate is a simple paginate extension for `flask` which is reference to `will_paginate`, and supports several css frameworks.

2021.10.25 update: **'bootstrap5'** is now supported

0.6.0 update: `bulma` is now supported (use `css_framework` parameter):

```
pagination = Pagination(..., css_framework='bulma', **kwargs)
```

0.5.4 update: **'semantic'** is now supported (use `css_framework` parameter):

```
pagination = Pagination(..., css_framework='semantic', **kwargs)
```

0.2 update: `foundation` is now supported (use `css_framework` parameter):

```
pagination = Pagination(..., css_framework='foundation', **kwargs)
```

Note: Python 2.6+ is required (`string.format` is used to format text)

```
{{ pagination.info }}
```

Total **13653** records, displaying **1 - 10**

or

Found **63** records, displaying **1 - 10**

```
{{ pagination.links }}
```

«	1	2	3	4	5	...	1365	1366	»
---	---	---	---	---	---	-----	------	------	---

CHAPTER 2

Installation

Install the extension with one of the following commands:

```
$ easy_install -U flask-paginate
```

or alternatively if you have pip installed:

```
$ pip install -U flask-paginate
```


CHAPTER 3

Configuration

If you want to show the pagination information, add below lines to your css file.

```
.pagination-page-info {  
    padding: .6em;  
    padding-left: 0;  
    width: 40em;  
    margin: .5em;  
    margin-left: 0;  
    font-size: 12px;  
}  
.pagination-page-info b {  
    color: black;  
    background: #6aa6ed;  
    padding-left: 2px;  
    padding: .1em .25em;  
    font-size: 150%;  
}
```


CHAPTER 4

Test

Test file was added in *0.4.6* (thanks to [Rdbaker](#)):

```
$ pip install -r test-requirements.txt
$ cd tests
$ pytest tests.py
```


CHAPTER 5

How to use

In your flask views file (e.g. views/users.py):

```
from flask import Blueprint
from flask_paginate import Pagination, get_page_parameter

mod = Blueprint('users', __name__)

@mod.route('/')
def index():
    search = False
    q = request.args.get('q')
    if q:
        search = True

    page = request.args.get(get_page_parameter(), type=int, default=1)

    users = User.find(...)
    pagination = Pagination(page=page, total=users.count(), search=search, record_
↪name='users')
    # 'page' is the default name of the page parameter, it can be customized
    # e.g. Pagination(page_parameter='p', ...)
    # or set PAGE_PARAMETER in config file
    # also likes page_parameter, you can customize for per_page_parameter
    # you can set PER_PAGE parameter in config file
    # e.g. Pagination(per_page_parameter='pp')

    return render_template('users/index.html',
                           users=users,
                           pagination=pagination,
                           )
```

In the users/index.html:

```
{{ pagination.info }}
{{ pagination.links }}
<table>
  <thead>
    <tr>
      <th>#</th>
      <th>Name</th>
      <th>Email</th>
    </tr>
  </thead>
  <tbody>
    {% for user in users %}
      <tr>
        <td>{{ loop.index + pagination.skip }}</td>
        <td>{{ user.name }}</td>
        <td>{{ user.email }}</td>
      </tr>
    {% endfor %}
  </tbody>
</table>
{{ pagination.links }}
```

CHAPTER 6

Example

Note: 0.2.9 requires [click](#) to run this example.

```
$cd example
$python sql.py --help
$python sql.py init-db
$python sql.py fill-data --total=300
$cp app.cfg.example app.cfg
$echo edit app.cfg
$python app.py --port 5000
```

Open <http://localhost:5000> to see the example page.

Navbar Home Users Users Page Views Disabled Dropdown ▾

displaying **51 - 60** users in total **300**

« 1 2 ... 4 5 **6** 7 8 ... 29 30 »

#	User Name
51	name143
52	name144
53	name145
54	name146
55	name147
56	name148
57	name149
58	name15
59	name150
60	name151

« 1 2 ... 4 5 **6** 7 8 ... 29 30 »

Deep into the Pagination

Below are the parameters for **Pagination.__init__()**. You can change the settings here.

found: used when searching

page: current page

per_page: how many records to display on one page

page_parameter: a name(string) of a GET parameter that holds a page index. Use it if you want to iterate over multiple Pagination objects simultaneously. default is **'page'**.

per_page_parameter: a name for *per_page* likes page_parameter. default is **'per_page'**.

inner_window: how many links around current page

outer_window: how many links near first/last link

prev_label: text for previous page, default is **'«'**

next_label: text for next page, default is **'»'**

search: search or not?

total: total records for pagination

display_msg: text for pagination information

search_msg: text for search information

record_name: record name shown in pagination information

link_size: font size of page links

alignment: the alignment of pagination links

href: Add custom href for links - this supports forms with post method. MUST contain {0} to format page number

show_single_page: decide whether or not a single page returns pagination

bs_version: the version of bootstrap, default is **2**

css_framework: the css framework, default is **'bootstrap'**

anchor: anchor parameter, appends to page href

format_total: number format total, like **1,234**, default is False

format_number: number format start and end, like **1,234**, default is False

url_coding: coding for url encoding, default is **utf-8**

bulma_style: page link style for bulma css framework

CHAPTER 8

API

CHAPTER 9

Contributors

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- wong2

CHAPTER 10

Changelog

CHAPTER 11

Version 2021.10.25

- Add *bootstrap5* support
- use *YYYY.mm.dd* format for version number
- Add type conversion for `page` and `per_page` args: [issue 90](#)

CHAPTER 12

Version 0.8.0

- fix bug: [issue 87](#)
- fix bug: [issue 89](#)
- jump to new version due to upload to pypi by mistake.

CHAPTER 13

Version 0.7.1

- fix bug: [issue 76](#)

CHAPTER 14

Version 0.7.0

- Support Materialize framework

CHAPTER 15

Version 0.6.0

- support for bulma css framework
- use black for code format

CHAPTER 16

Version 0.5.5

- add option for url encoding or not

CHAPTER 17

Version 0.5.4

- support for SemanticUI

CHAPTER 18

Version 0.5.3

- update for bootstrap 3.3

CHAPTER 19

Version 0.5.2

- add *skip* attribute to fix error in docs
- read version from source file instead of hard code in setup file

CHAPTER 20

Version 0.5.1

- add *bootstrap4* support

CHAPTER 21

Version 0.5.0

- Make clear and easy customized for page/per_page parameter per on [issue 50](#)
- add *get_page_parameter* and *get_per_page_parameter* for customization

CHAPTER 22

Version 0.4.6

(bug fix release, released on May 31th 2017)

- bug fix: - Incorrect right-most window value on `outer_window=0` [issue 51](#)
- add tests file

CHAPTER 23

Version 0.4.5

Added new parameter *page_parameter* to simultaneously iterate over multiple Pagination objects. See documentation

CHAPTER 24

Version 0.4.4

bug fix: - TypeError: url_for() got multiple values for keyword argument 'page' [issue 47](#)

CHAPTER 25

Version 0.4.3

use *flask_paginate* instead of *flask.ext.paginate* for new version of flask

CHAPTER 26

Version 0.4.2

add `get_page_args()` function, and change the way to get url args

CHAPTER 27

Version 0.4.1

remove href for disabled links to prevent navigating to top of page when clicks

CHAPTER 28

Version 0.3.2

0.3.1 file upload failed, increase the version number.

CHAPTER 29

Version 0.3.1

(bug fix release, released on Apr 18th 2015)

- URL has no necessary to unquote for links [issue 26](#)

CHAPTER 30

Version 0.3.0

(small feature release, released on Apr 14th 2015)

- Add option to number format total [issue 29](#), and also can format start and end

CHAPTER 31

Version 0.2.9

(bugfix release, released on Apr 13th 2015)

- Last release did not fix the bug [bug 24](#) actually. Thanks [MasterMind2k](#) fix it finally.
- Use [click](#) for example code

CHAPTER 32

Version 0.2.8

(bugfix release, released on Nov 2nd 2014)

- Flat args for non-multi values style urls. This is used to fix the bug <https://github.com/lixxu/flask-paginate/issues/24> when generated url likes this (*http://xxxxx/something/[u'param']?page=2*)
- Use <http://flask.pocoo.org/docs/0.10/api/#flask.Markup> when generating url so that template no need to use *safe* filter any more.

f

flask_paginate, ??

F

`flask_paginate` (*module*), [1](#)