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# Flask-Mobility Documentation

*Release dev*

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### Summary

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A Flask extension to simplify building mobile-friendly sites.

This extension detects whether a mobile site is requested and it modifies the `request` object accordingly.

Decorators are provided to make mobilizing views easier.





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### Documentation

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Documentation is at <http://flask-mobility.readthedocs.org/en/latest/>.



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## **Install**

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To install:

```
$ pip install Flask-Mobility
```

You can also install the development version <https://github.com/rehandalal/flask-mobility/tarball/master#egg=Flask-Mobility-dev>:

```
$ pip install Flask-Mobility==dev
```

or:

```
$ git clone git://github.com/rehandalal/flask-mobility.git
$ mkvirtualenv flaskmobility
$ python setup.py develop
$ pip install -r requirements.txt
```



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### Test

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To run tests from a tarball or git clone:

```
$ python setup.py test
```



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## Configuration

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There are two settings that you can change in the config for your application:

**MOBILE\_USER\_AGENTS** A regex for detecting mobile user agents.

Defaults to: `'android|fennec|iemoible|iphone|opera (? :mini|mobi)'`

**MOBILE\_COOKIE** The name of the cookie to set if the user prefers the mobile site.

Defaults to: `'mobile'`





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## Changes to the request Object

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If the current request is for the mobile site, `request.MOBILE = True`. At all other times `request.MOBILE = False`.



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## How is the value of `request.MOBILE` determined?

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`request.MOBILE` will be set to `True` if one of the following cases are satisfied:

1. The user agent string in the request headers matches `MOBILE_USER_AGENTS` and the `MOBILE_COOKIE` is not set to `off`.
2. `MOBILE_COOKIE` is set to `on`



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## Decorators

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### 8.1 mobile\_template

This decorator is used to pass an alternate template name to a view function for mobile requests:

```
from flask.ext.mobility.decorators import mobile_template

@mobile_template('dir/{mobile/}template.html')
def view(template):
    ...
```

This will pass through 'dir/mobile/template.html' as template where request.MOBILE is set to True. When request.MOBILE is False it will pass through 'dir/template.html' as template.

### 8.2 mobilized

This decorator is used to specify an alternate mobilized view function for a view:

```
from flask.ext.mobility.decorators import mobilized

def view():
    ...

@mobilized(view)
def view():
    ...
```

In the example above the first view function is used for the normal site and the second function is used to show the mobile site.



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## Example

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### example.py

```
1  #!/usr/bin/env python
2  from flask import Flask, render_template
3  from flask.ext.mobility import Mobility, mobile_template
4
5  app = Flask(__name__)
6  Mobility(app)
7
8  @app.route('/')
9  @mobile_template('{mobile/}index.html')
10 def index(template):
11     return render_template(template)
12
13 if __name__ == '__main__':
14     app.run(host='0.0.0.0', debug=True)
```

### templates/base.html

```
1  <!doctype html>
2  <html>
3  <head>
4      <title>Flask-Mobility example</title>
5  </head>
6  <body>
7      {% block content %}
8      {% endblock %}
9  </body>
10 </html>
```

### templates/index.html

```
1  {% extends 'base.html' %}
2
3  {% block content %}
4      <p>Template: <strong>index.html</strong></p>
5      <p>
6          request.MOBILE:
7          <strong>{% if request.MOBILE %}True{% else %}False{% endif %}</strong>
8      </p>
9  {% endblock %}
```

### templates/mobile/index.html

```
1 {% extends 'base.html' %}
2
3 {% block content %}
4     <p>Template: <strong>mobile/index.html</strong></p>
5     <p>
6         request.MOBILE:
7         <strong>{% if request.MOBILE %}True{% else %}False{% endif %}</strong>
8     </p>
9 {% endblock %}
```



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## What's new in Flask-Mobility

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### 10.1 Version 0.1:

- first release

### 10.2 Version 0.1.1:

- Minor fixes
- Add Firefox OS detection



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## Contributors

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