
django-responsive Documentation

Release 0.3.0

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django-responsive a utility application for building responsive websites in Django. This tool is meant to complement the use of CSS media queries and help solve problems with fixed width elements such as advertisements or embedded video.

This project does *not* match devices based on user agent strings and instead uses a small piece of javascript to make the device window size available on the server. Once enabled you can access a `device_info` dictionary in your templates:

```
{'width': 320, 'type': 'phone', 'height': 480}
```

Now you can conditionally render content based on the device size or type.

Installation

django-responsive requires Python 2.6 or 2.7 and django>=1.3. There is experimental support for Python 3.2 if using Django >= 1.5. It is easiest to install django-responsive from PyPi using pip:

```
pip install django-responsive
```

Configuration

To enable django-responsive you will need to update your `MIDDLEWARE_CLASSES` and `TEMPLATE_CONTEXT_PROCESSORS` settings.:

```
MIDDLEWARE_CLASSES = (  
    # Other middleware classes go here  
    'responsive.middleware.DeviceInfoMiddleware',  
)  
  
TEMPLATE_CONTEXT_PROCESSORS = (  
    # Other context processors included here  
    'responsive.context_processors.device_info',  
)
```

Note that `TEMPLATE_CONTEXT_PROCESSORS` is not included in the default settings and you should be careful to not lose the defaults when adding this additional context processor.

There is an optional setting `RESPONSIVE_BREAKPOINTS` which is used to determine the type included in the `device_info` dictionary. The default breakpoints are:

```
# Name, Max Width (inclusive)  
DEFAULT_BREAKPOINTS = {  
    'phone': 480,  
    'tablet': 767,  
    'desktop': None,  
}
```

To overwrite the default breakpoints, include a `RESPONSIVE_BREAKPOINTS` dictionary in the project's `settings.py` file:

```
# Name, Max Width (inclusive)  
RESPONSIVE_BREAKPOINTS = {  
    'phone': 480,  
    'tablet': 767,  
    'desktop': None,  
}
```

License

django-responsive is released under the BSD License. See the [LICENSE](#) file for more details.

Contributing

If you think you've found a bug or are interested in contributing to this project check out [django-responsive](#) on [Github](#).

Running the Tests

You can run the tests with via:

```
python runtests.py
```

If you see any test failures please report them to the Github issue tracker.

6.1 Release History

Release and change history for django-responsive

6.1.1 v0.3.0 (2014-09-07)

- Included pixelratio in the device information. Thanks to @svleeuwen for the initial patch and Tino de Bruijn for fixes related to zoom.
- Handle streaming responses.

6.1.2 v0.2.0 (2013-06-08)

- Added experimental Python 3 support if using Django 1.5 or higher
- Added device type info to the `request.device_info` attached by the middleware. Thanks to @pylemon

6.1.3 v0.1.2 (2012-08-25)

- Fixed infinite redirection when browser cookies are disabled.

6.1.4 v0.1.1 (2012-08-12)

- Fixed bug in handling unicode body content.

6.1.5 v0.1.0 (2012-08-09)

- Initial public release.

Indices and tables

- `genindex`
- `modindex`
- `search`