django-admin-timeline Documentation

Release 1.1

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django-admin-timeline

CHAPTER 1

Description

A Facebook-like timeline app for Django admin. It's very similar to built-in feature *Daily progress*, but then has a nicer templates and infinite scroll implemented. Actions are broken up by day, then by action. Filtering by user (multiple select) and content type (multiple select) is implemented.

CHAPTER 2

Prerequisites

- Django 1.5.+
- Python 2.7.+, 3.3.+

CHAPTER 3

Installation

1. Install in your virtual environemnt

Latest stable version from PyPI:

$ pip install django-admin-timeline

Latest stable version from bitbucket:

$ pip install -e hg+http://bitbucket.org/barseghyanartur/django-admin-timeline@stable#egg=django-admin-timeline

Latest stable version from github:

$ pip install -e git+https://github.com/barseghyanartur/django-admin-timeline@stable#egg=django-admin-timeline

3. Add *admin_timeline* to your *INSTALLED_APPS* in the global settings.py.

```
>>> INSTALLED_APPS = (
>>>     # ...
>>>     'admin_timeline',
>>>     # ...
>>> )
```

4. Collect the static files by running (see the Troubleshooting section in case of problems):

$ ./manage.py collectstatic

5. Override app settings in your global *settings* module (see the `apps.admin_timeline.defaults` for the list of settings). As for now, most important of those is `NUMBER_OF_ENTRIES_PER_PAGE` - number of entries displayer per page (for both non-AJAX and AJAX requests).

6. Add the following lines to the global `urls` module:

```
>>> # Admin timeline URLs. Should be placed BEFORE the Django admin URLs.
>>> (r'^admin/timeline/', include('admin_timeline.urls')),
>>> url(r'^admin/', include(admin.site.urls)),
```

CHAPTER 4

Troubleshooting

If somehow static files are not collected properly (missing admin_timeline.js and admin_timeline.css files), install the latest stable version from source.

```
$ pip install -e hg+http://bitbucket.org/barseghyanartur/django-admin-timeline@stable#egg=django-admin-timeline
```

CHAPTER 5

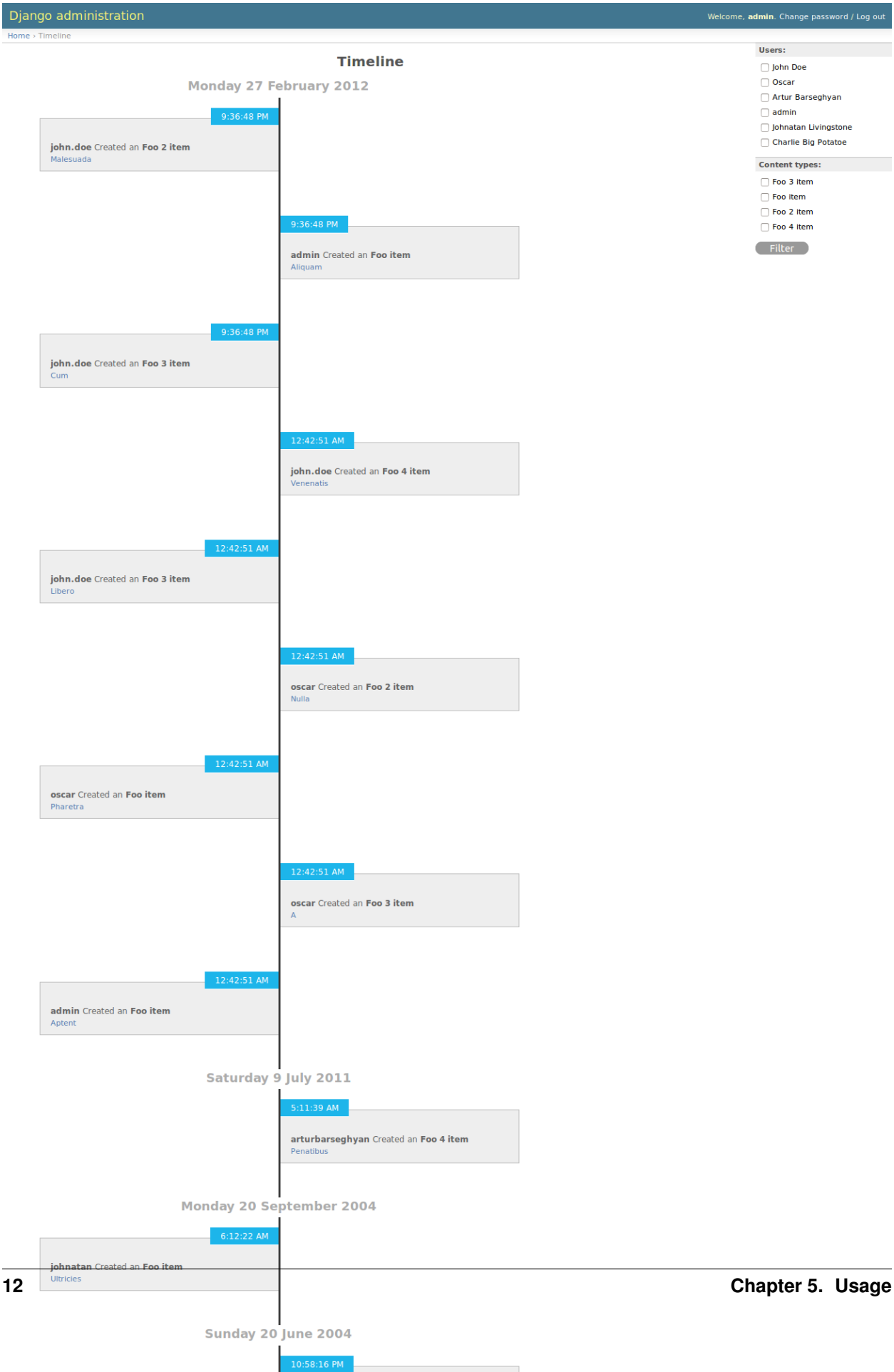
Usage

After following all installation steps, you should be able to access the admin-timeline by:

http://127.0.0.1:8000/admin/timeline/

An example application is available. See the http://bitbucket.org/barseghyanartur/django-admin-timeline/src (example directory).

Sample image:


Django administration
Welcome, admin. Change password / Log out
Home › Timeline
Timeline
Monday 27 February 2012
9:36:48 PM
john.doe Created an Foo 2 item
Malesuada
9:36:48 PM
admin Created an Foo item
Aliquam
9:36:48 PM
john.doe Created an Foo 3 item
Cum
12:42:51 AM
john.doe Created an Foo 4 item
Venenatis
12:42:51 AM
john.doe Created an Foo 3 item
Libero
12:42:51 AM
oscar Created an Foo 2 item
Nulla
12:42:51 AM
oscar Created an Foo item
Pharetra
12:42:51 AM
oscar Created an Foo 3 item
A
12:42:51 AM
admin Created an Foo item
Aptent
Saturday 9 July 2011
5:11:39 AM
arturbarseghyan Created an Foo 4 item
Penatibus
Monday 20 September 2004
6:12:22 AM
johnatan Created an Foo item
Ultricies
Sunday 20 June 2004
10:58:16 PM
Users:
John Doe
Oscar
Artur Barseghyan
admin
Johnatan Livingstone
Charlie Big Potatoe
Content types:
Foo 3 item
Foo item
Foo 2 item
Foo 4 item
Filter

CHAPTER 6

Documentation

6.1 settings Module

Override the following values in your global settings module by adding *ADMIN_TIMELINE_* prefix to the values. When it comes to importing the values, import them from admin_timeline.settings module (without the *ADMIN_TIMELINE_* prefix).

NUMBER_OF_ENTRIES_PER_PAGE: Number of entries per page.

SINGLE_LOG_ENTRY_DATE_FORMAT: Date format for the single log entry. Default value is "g:i:s A".

LOG_ENTRIES_DAY_HEADINGS_DATE_FORMAT: Day headings date format. Default value is "l j F Y".

DEBUG

6.2 views Module

admin_timeline.views.**log**(**args*, ***kwargs*)

Get number of log entires. Serves both non-AJAX and AJAX driven requests.

Since we have a breakdown of entries per day per entry and we have an AJAX driven infinite scroll and we want to avoid having duplicated date headers, we always pass a variable named "last_date" when making another request to our main AJAX-driven view. So... this is our case scenario:

Initial timeline rendered as a normal HTML (non AJAX request) (from a list of log entries). We send date of last element as "last_date" to the context too, which will be used an an initial value for a global JavaScript variable. Later on that date will be used to send it to the AJAX driven view and used in rendering ("render_to_string" method). After we have rendered the HTML to send back, we get the last date of the last element and send it along with the HTML rendered to our view in JSON response. When receiving the JSON response, we update the above mentioned global JavaScript variable with the value given.

Parameters

- **request** – django.http.HttpRequest
- **template_name** – str
- **template_name_ajax** – str

Returns django.http.HttpResponse

This view accepts the following POST variables (all optional). :param page: int - Page number to get. :param user_id: int - If set, used to filter the user by. :param last_date: str - Example value "2012-05-24". :param

start_date: str - If set, used as a start date to filter the actions with. Example value "2012-05-24". :param end_date: str - If set, used as an end date to filter the actions with. Example value "2012-05-24".

NOTE: If it gets too complicatd with filtering, we need to have forms to validate and process the POST data.

6.3 `forms` Module

class `admin_timeline.forms.`**`FilterForm`**(**args*, ***kwargs*)

Bases: `django.forms.forms.Form`

Filter form to be used in the timeline.

`users`: Users list to be filtered on.

`content_types`: Content types to be filtered on.

CHAPTER 7

Indices and tables

- *genindex*
- *modindex*
- *search*

CHAPTER 8

License

GPL 2.0/LGPL 2.1

CHAPTER 9

Support

For any issues contact me at the e-mail given in the *Author* section.

CHAPTER 10

Author

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