
Django-frontend-notification Documentation

Release 0.2.0

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Contents:

Introduction

Version 0.1.0

Keywords django, python, notification

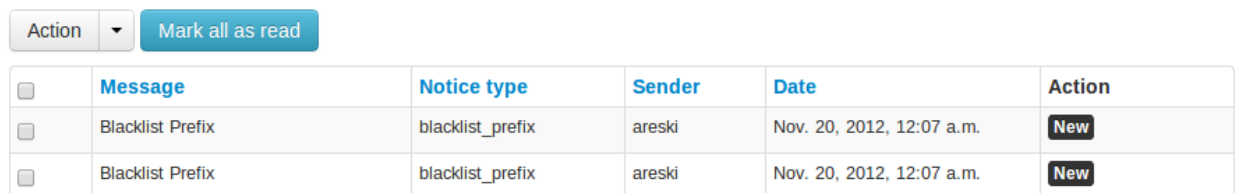
– Django-Frontend-Notification is an application written in Python, using the Django Framework.

The license is MIT : <http://opensource.org/licenses/MIT>

1.1 Overview

Django application to display on the frontend the list of notifications and run some basic actions such as “view all notifications”, “delete notifications”, etc... Django-Frontend-Notification also provides helpers to display new notifications.

This works with twitter bootstrap (<http://twitter.github.com/bootstrap/>) but can easily be adapted with other front-end frameworks.



<input type="checkbox"/>	Message	Notice type	Sender	Date	Action
<input type="checkbox"/>	Blacklist Prefix	blacklist_prefix	areski	Nov. 20, 2012, 12:07 a.m.	New
<input type="checkbox"/>	Blacklist Prefix	blacklist_prefix	areski	Nov. 20, 2012, 12:07 a.m.	New

1.2 Documentation

Extensive documentation is available on ‘Read the Docs’: <http://django-frontend-notification.readthedocs.org>

1.3 Contributing

If you’ve found a bug, implemented a feature or customized the template and think it is useful then please consider contributing. Patches, pull requests and suggestions are welcome!

Source code: <http://github.com/areski/django-frontend-notification>

If you don’t like Github and Git you’re welcome to send regular patches.

Bug tracker: <https://github.com/areski/django-frontend-notification/issues>

1.4 License

Copyright (c) 2011-2012 Star2Billing S.L. <info@star2billing.com>

django-frontend-notification is licensed under MIT, see *MIT-LICENSE.txt*.

1.5 Credit

django-frontend-notification is a Star2Billing-Sponsored Community Project, for more information visit <http://www.star2billing.com> or email us at info@star2billing.com

Installation overview

2.1 Install requirements

A requirements file stores a list of dependencies to be installed for your project/application.

To get started with django-frontend-notification you must have the following installed:

- python >= 2.4 (programming language)
- Apache / http server with WSGI modules
- Django Framework >= 1.3 (Python based Web framework)

The requirements are installed into a virtual environment so that the dependencies of the application do not interfere with other applications on the server. More information can be found about virtualenv at : <http://pypi.python.org/pypi/virtualenv>

PIP is a tool for installing and managing Python packages, more information about PIP t : <http://www.pip-installer.org/en/latest/index.html>.

With PIP you can easily install all the requirements:

```
$ pip install -r requirements.txt
```

2.2 Configuration

Add frontend-notification into INSTALLED_APPS in settings.py:

```
INSTALLED_APPS = (  
    ...  
    'frontend-notification',  
    ...  
)
```

Add frontend_notification_tags into templates to use different template tags:

```
{% load frontend_notification_tags %}  
  
{% get_notice_count request %}
```

To get count of notification in your django views, add notice_count:

```
...  
from frontend_notification.views import notice_count  
...  
  
def sample_view(request):  
    print notice_count(request)
```

Download `bootbox.js` from bootboxjs.com and add into your media resource

Developer Documentation

Contents:

3.1 Prerequisites

To fully understand this project, developers will need to have an advanced knowledge of:

- Django : <http://www.djangoproject.com/>
- Python : <http://www.python.org/>

3.2 Coding Style & Structure

3.2.1 Style

Coding follows the PEP 8 Style Guide for Python Code.

3.2.2 Structure

The `frontend_notification` directory:

```
|-- templatetags      - Templatetags
|-- fixtures          -
`-- templates         - This area is used to override templates
    |-- frontend_notification
```

3.3 Django-Frontend-Notification Views

3.3.1 `user_notification`

User Detail change on Customer UI

Attributes:

- **form** - `UserChangeDetailForm`, `UserChangeDetailExtendForm`, `PasswordChangeForm`, `CheckPhoneNumberForm`

- `template` - 'frontend/frontend_notification/user_notification.html'

Logic Description:

- User is able to change his/her detail.

3.3.2 `notification_del_read`

Delete notification for the logged in user

Attributes:

- `object_id` - Selected notification object
- `object_list` - Selected notification objects

Logic Description:

- Delete/Mark as Read the selected notification

3.3.3 `update_notification`

Notification Status (e.g. read/unread) can be changed from customer interface

3.3.4 `frontend_send_notification`

User Notification (e.g. start | stop | pause | abort | contact/campaign limit) needs to be saved. It is a common function for the admin and customer UI's

Attributes:

- `pk` - primary key of the campaign record
- `status` - get label for notifications

3.3.5 `frontend_notification_status`

Notification Status (e.g. read/unread) need to be change. It is a common function for admin and customer UI

Attributes:

- `pk` - primary key of notice record

Logic Description:

- Selected Notification's status need to be changed. Changed status can be read or unread.

3.3.6 `notice_count`

Get count of logged in user's notifications

3.4 Test Case Descriptions

3.4.1 How to run test

1. Run Full Test Suit:

```
$ python manage.py test
```

2. Run Individual Test:

```
$ python manage.py test frontend_notification
```

Indices and tables

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