django-sciweb Documentation

Release 0.9

Marcos Lopez

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django-sciweb will manage and create websites on the fly for general e-commerce and affiliate marketing purposes

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CHAPTER 1

Requirements

Please install the following packages using PIP or easy_install

- Django 1.4.1
- South >= 0.7.6
- Django-lettuce >= 0.1.27
- nosetools
- Simplejson

CHAPTER 2

Local Settings

Local settings should be created to:

- Set your database configuration
- Allow support for multi-dev environments
- Separate configuration for development/staging/production servers
- Set admin-on / admin-off settings to open the admin pages

CHAPTER 3

Local Settings Template

The git repository is provided with a template called local_settings.template

CHAPTER 4

Local Settings Code

You can copy paste this code into your local_settings.py if you are lazy:

```
from django.conf.urls.defaults import *
# Uncomment the next two lines to enable the admin:

ENABLE_ADMIN = True
DEBUG=True
LOGIN_REDIRECT_URL = '/login/'

# set dev-installed apps
DEV_INSTALLED_APPS = (
  #'appname',

)


# enable or disable admins - uncomment and modify with your url
if ENABLE_ADMIN:
  application_url_includes = patterns('',
    #(r'^admin/(.*)', admin.site.root),
    #(r'^custom/admin/dir/(.*)', include('webadmin.urls')),
  )
else:
  application_url_includes = patterns('',)


# choose the view for the root URL /
mastersite_rooturl = patterns('',
  #url(r'^$', 'web.views.admin_redirect'),
  url(r'^robots.txt','web.views.robots'),
  url(r'^$', 'web.views.index', name="main_index"),
  url(r'^(?P<linkname>\w+)/(?P<filtername>[\w-]+)', 'web.views.index'),
  url(r'^(?P<linkname>\w+)','web.views.index')
)

# assuming mysql db, ENGINE = django.db.backends.mysql
DATABASES = {
    'default': {
        'ENGINE': '',
        'NAME': 'db-name',
        'HOST': '',
        'PASSWORD': 'dbpassword',
        'USER': 'db-user'
```

```
    }
}
DATABASE_ENGINE = ''
DATABASE_NAME = ''
DATABASE_USER = ''
DATABASE_PASSWORD = ''
DATABASE_HOST = ''
DATABASE_PORT = ''
```

CHAPTER 5

External Media & Templates

Here we will configure our templates, css/javascript & images directories. Comes with Twitter Bootstrap for default CSS & JS

1. Place a symlink in sciweb/templates/domains containing any HTML templates or you can create the directory as well. Must be called "domains"

```
ln -s /directory/for/your/templates sciweb/templates/domains
```

2. (optional) Create a directory called sciweb/static/domains add to .gitignore (must be called domains)

```
ln -s /directory/for/your/templates/static/ sciweb/static/domains
```

CHAPTER 6

Default and Sub Templates

By default, there is a set of templates located inside `sciweb/templates/`

These templates are used if there is no subdirectory `domains` inside of `sciweb/templates`

NOTE: Templates inside the subdirectories must contain the same naming as the default templates. so if you are accessing domain.com, and we have sciweb/templates/domains/domain.com/index.html, we will serve that file, otherwise, we serve the default sciweb/templates/index.html

CHAPTER 7

Default Template Filenames

- index.html
- show_product.html
- show_article.html
- search.html
- products.html
- articles.html

CHAPTER 8

Linked Media Subdirectories

Similar to the templates directory structure, we have a default directory `sciweb/static` This directory is set with MEDIA_URL of /src/ (This can be overrided in local_settings.py)

As of 0.9, we will check for a sub directory inside of the static media directory `settings.MEDIA_ROOT` called `domains` If you are accessing domain.com, it will search for `sciweb/static/domains/domain.com/` for any directories called `bootstrap` If it is found, then it is used and overrides the default bootstrap files that are being used.

The user can choose to use `{{MEDIA_URL}}/bootstrap/css/bootstrap.css` to use the default bootstrap.css file

TODO: Need to set the context processor to create a default static media variable usable in all templates which contains the link to the directory where media/template files are found. As of now, hardcoding the media urls into the HTML markup is required to explicitly access a file

CHAPTER 9

Changelog

9.1 v0.9 20120-12-31

- Route all incoming requests to mainweb.index method
- Created a ProcessPage class to handle incoming GET/POST
- Write unit tests around the models for mainweb
- Created a Website database table
- Created a WebsitePage database table