

May.2018

===== CLASE 1 =====

Instalación Python - (v.2.7.11)

Instalación PIP:

Abrir la consola ipython desde un shell como administrador

```
In [2]: run /home/jpc/Descargas/Django/get-pip
Collecting pip
  Downloading
https://files.pythonhosted.org/packages/0f/74/ecdl3431bcc456ed390b44c8a6e917c1820365cbeb
cb6a8974d1cd045ab4/pip-10.0.1-py2.py3-none-any.whl (1.3MB)
  100% |████████████████████████████████████████| 1.3MB 4.6MB/s
Collecting wheel
  Downloading
https://files.pythonhosted.org/packages/1b/d2/22cde5ea9af055f81814f9f2545f5ed8a053eb749c
08d186b369959189a8/wheel-0.31.0-py2.py3-none-any.whl (41kB)
  100% |████████████████████████████████████████| 51kB 7.8MB/s
Installing collected packages: pip, wheel
Successfully installed pip-10.0.1 wheel-0.31.0
```

Pip freeze nos indica paquetes que tenemos instalados:

```
jpc@debian:~$ pip freeze
backports.shutil-get-terminal-size==1.0.0
beautifulsoup4==4.5.3
chardet==2.3.0
...
```

Instalo el “virtualenv”:

```
jpc@debian:~$ su
Contraseña:
root@debian:/home/jpc# pip install virtualenv
Collecting virtualenv
  Downloading
https://files.pythonhosted.org/packages/ed/ea/e20b5cbebf45d3096e8138ab74eda139595d827677
f38e9dd543e6015bdf/virtualenv-15.2.0-py2.py3-none-any.whl (2.6MB)
  100% |████████████████████████████████████████| 2.6MB 5.3MB/s
Installing collected packages: virtualenv
Successfully installed virtualenv-15.2.0
```

```
root@debian:/home/jpc# virtualenv test_env
New python executable in /home/jpc/test_env/bin/python
Installing setuptools, pip, wheel...done.
root@debian:/home/jpc# ls -lah
total 1,3M
drwxr-xr-x 33 jpc jpc 4,0K may 13 18:53 .
drwxr-xr-x  3 root root 4,0K ago 20 2017 ..
.....
drwxr-xr-x  6 root root 4,0K may 13 18:53 test_env
....
root@debian:/home/jpc/test_env# ./bin/activate
```

Error “permiso denegado”, cambio el permiso de ejecución y lo ejecuto. No da error pero no modifica el prompt.

<https://linuxconfig.org/setting-up-the-python-virtualenv-development-environment-on-debian-linux>

## Hay que ejecutarlo con source ¿??

El comando source evita la creación de subprocesos en Bash.

```
root@debian:/home/jpc/test_env# source bin/activate
(test_env) root@debian:/home/jpc/test_env#
```

Para terminar se usa \$deactivate

Instalación de Django.

El 2.0.5 es el recomendado en la web para Python 3.

Y para Python 2.7 el Django 1.11 . Este es el que instalo.

<https://www.djangoproject.com/download/>

```
(test_env) root@debian:/home/jpc/test_env# pip install django==1.11
Collecting django==1.11
  Downloading
https://files.pythonhosted.org/packages/47/a6/078ebcbd49b19e22fd560a2348cfc5cec9e5dcfe3c4fad8e64c9865135bb/Django-1.11-py2.py3-none-any.whl (6.9MB)
  100% |████████████████████████████████████████| 6.9MB 3.5MB/s
Collecting pytz (from django==1.11)
  Downloading
https://files.pythonhosted.org/packages/dc/83/15f7833b70d3e067ca91467ca245bae0f6fe56ddc7451aa0dc5606b120f2/pytz-2018.4-py2.py3-none-any.whl (510kB)
  100% |████████████████████████████████████████| 512kB 6.2MB/s
Installing collected packages: pytz, django
Successfully installed django-1.11 pytz-2018.4
(test_env) root@debian:/home/jpc/test_env#
```

## ===== CLASE 2 =====

Volver a crear un virtualenv (pd110) , activarlo e instalar django dentro

Abrir un proyecto nuevo:

```
(pd110) root@debian:/home/jpc/pd110# python ./bin/django-admin startproject pd110
```

Levantar el servidor django:

```
(pd110) root@debian:/home/jpc/pd110/src# python manage.py runserver
Performing system checks...
```

System check identified no issues (0 silenced).

You have 13 unapplied migration(s). Your project may not work properly until you apply the migrations for app(s): admin, auth, contenttypes, sessions.  
Run 'python manage.py migrate' to apply them.

```
May 13, 2018 - 18:31:51
Django version 1.11, using settings 'pd110.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CONTROL-C.
```

En el navegador:

*It worked!*

*Congratulations on your first Django-powered page.*

*Next, start your first app by running python manage.py startapp [app\_label].*

*You're seeing this message because you have DEBUG = True in your Django settings file and you haven't configured any URLs. Get to work!*

## ===== CLASE 3 =====

## Migración

```
(pd110) root@debian:/home/jpc/pd110/src# python manage.py migrate
```

===== CLASE 4 =====

<http://127.0.0.1:8000/admin>

Hay que crear un superusuario :

```
$python manage.py createsuperuser
```

JuanPC - [juanpcsur@gmail.com](mailto:juanpcsur@gmail.com) - probardjango (igual que Karlita)

Ya puedo loguearme en el manage web.

Creo un usuario: usuario - 104lenguajemarcas

===== CLASE 5 =====

===== CLASE 6 =====

Crear modelos

añadir modelos (tablas) en boletin/models

parar servidor y

```
#python manage.py makemigrations
```

```
...
```

```
#python manage.py migrate
```

```
...
```

===== CLASE 7 =====

Crear los objetos

```
(pd110) root@debian:/home/jpc/pd110/src# python manage.py shell
```

```
Python 2.7.13 (default, Nov 24 2017, 17:33:09)
```

```
[GCC 6.3.0 20170516] on linux2
```

```
Type "help", "copyright", "credits" or "license" for more information.
```

```
(InteractiveConsole)
```

```
>>> from boletin.models import Registrado
```

```
>>> gente= Registrado.objects.all()
```

```
>>> gente
```

```
<QuerySet []>
```

```
>>> personal= Registrado.objects.create(nombre='KJuan', email='KJuan@K.com')
```

```
>>> personal
```

```
<Registrado: KJuan@K.com>
```

```
>>> gente
```

```
<QuerySet [<Registrado: KJuan@K.com>]>
```

```
>>> quit()
```

```
(pd110) root@debian:/home/jpc/pd110/src# python manage.py runserver
```

```
Performing system checks...
```

Desde el server web también se puede crear un “registrado”

===== CLASE 8 =====

===== CLASE 9 =====

===== CLASE 10 =====

===== CLASE 11 =====

===== CLASE 12 =====

## ===== CLASE 13 =====

CRUD – Create: Post  
Crear un form en views

[subido a github](#)

Sáb.19-5-18

Por defecto usa get. Así que la url del form al pulsar el botón es:  
`http://127.0.0.1:8000/?nombre=pabli&edad=22`

{% csrf\_token} ??? Cross Site Request Forgery **protection**.  
Activo por defecto. Wikip: malicius exploit of a website.

GET - POST

## ===== CLASE 14 =====

Validación de formularios.

## ===== CLASE 15 =====

Guardar datos del formulario.

## ===== CLASE 16 =====

Model Form.

## ===== CLASE 17 =====

Validaciones.

## ===== CLASE 18 =====

Contexto en la vista, plantilla

## ===== CLASE 19 =====

Model form en la vista

## ===== CLASE 20 =====

Custom form para contacto.

## ===== CLASE 21 =====

Configurar email

<https://docs.djangoproject.com/en/2.0/topics/email/>

## ===== CLASE 22 =====

Configuración de archivos estáticos.

<https://docs.djangoproject.com/en/2.0/howto/static-files/>

[subido a github](#)

## ===== CLASE 23 =====

Configuración Bootstrap.

## Error al levantar el servidor (python manage.py runserver)

```
File "/home/jpc/pd110/src/pd110/urls.py", line 33, in <module>
    urlpatterns += static(settings.MEDIA_URL, document_root=settings.MEDIA_ROOT)
File "/home/jpc/test_env/local/lib/python2.7/site-
packages/django/conf/urls/static.py", line 24, in static
    raise ImproperlyConfigured("Empty static prefix not permitted")
django.core.exceptions.ImproperlyConfigured: Empty static prefix not permitted
```

Modifico:

en settings.py:

```
#STATIC_URL = '/media/'          # error Karlita? Clase 22
MEDIA_URL = '/media/'
```

Y OK ....

## ===== CLASE 24 =====

Plantillas: Herencia, include tags y blocks

## ===== CLASE 25 =====

Django Crispy forms

<https://django-crispy-forms.readthedocs.io/en/latest/install.html>

## ===== CLASE 26 =====

Estilo bootstrap 1

## ===== CLASE 27 =====

CSS custom

## ===== CLASE 28 =====

Enlaces con url

## ===== CLASE 29 =====

Estilo bootstrap 2

## ===== CLASE 30 =====

Django registration redux

<https://django-registration-redux.readthedocs.io/en/latest/>

<https://github.com/macropin/django-registration>

<https://github.com/django>

<https://minhaskamal.github.io/DownGit/#/home>

[https://github.com/probardjango/Probar-Django-](https://github.com/probardjango/Probar-Django-1.10/tree/e377521333f298bf152fbb2b39206da55e0ad393/src/templates)

[1.10/tree/e377521333f298bf152fbb2b39206da55e0ad393/src/templates](https://github.com/probardjango/Probar-Django-1.10/tree/e377521333f298bf152fbb2b39206da55e0ad393/src/templates)

```
(test_env) root@debian:/home/jpc/pd110# pip install django-registration-redux
```

```
Collecting django-registration-redux
```

```
  Downloading
```

```
https://files.pythonhosted.org/packages/0a/64/2fd365f65c23e180306f3cc5b01f4ac4519a02a680
8f5b3e03ebad168672/django_registration_redux-2.4-py2.py3-none-any.whl (202kB)
```

```
100% |████████████████████████████████████████| 204kB 2.3MB/s
```

```
Installing collected packages: django-registration-redux
```

```
Successfully installed django-registration-redux-2.4
```

```
(test_env) root@debian:/home/jpc/pd110#
```

La redux 2.4 no sirve hay que instalar la 1.4 :

```
(test_env) root@debian:/home/jpc/pd110# pip install --upgrade django-registration-
redux==1.4
Collecting django-registration-redux==1.4
  Downloading
https://files.pythonhosted.org/packages/77/f9/48fd76df5dea3684e35d8b48f705b62ca60269cfbb
b6cae771eb406fc4f3/django-registration-redux-1.4.tar.gz (83kB)
  100% |████████████████████████████████████████| 92kB 1.1MB/s
Building wheels for collected packages: django-registration-redux
  Running setup.py bdist_wheel for django-registration-redux ... done
  Stored in directory:
/root/.cache/pip/wheels/0d/8c/12/a38c0c32b424e6fb3854b849f1279645c57a383cb6b8df8232
Successfully built django-registration-redux
Installing collected packages: django-registration-redux
  Found existing installation: django-registration-redux 2.4
  Uninstalling django-registration-redux-2.4:
    Successfully uninstalled django-registration-redux-2.4
Successfully installed django-registration-redux-1.4
(test_env) root@debian:/home/jpc/pd110#
```

===== CLASE 31 =====

Django registration redux 2

nuevo: [Registrandome](#) ; probardjango

===== CLASE 32 =====

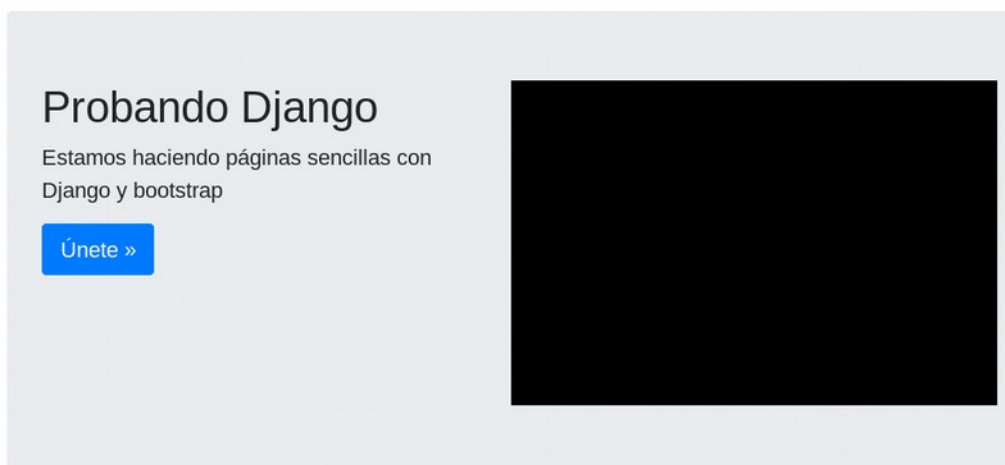
Cambiar url de login , redirect

===== CLASE 32 =====

Autenticación para enlaces en navbar

===== CLASE 33 =====

login en el navbar



hOIA      Creado con Django y      y picando mucho      Open Source  
Nombre      Bootstrap

[subido a github](#)