Curso Django en Udemy

https://www.udemy.com/probar-django-construir-una-aplicacion-web-en-python/learn/v4/overview

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/ecd13431bcc456ed390b44c8a6e917c1820365cbeb
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 $ <mark>deactivate</mark>

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/a6/078ebcbd49b19e22fd560a2348cfc5cec9e5dcfe3c
4fad8e64c9865135bb/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/83/15f7833b70d3e067ca91467ca245bae0f6fe56ddc7
451aa0dc5606b120f2/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#
```

<mark>==================== CLASE 2 ================</mark>
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!*

<mark>==================== CLASE 3 ================</mark>

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 – 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 []>
>>> persona1= Registrado.objects.create(nombre='KJuan', email='KJuan@K.com')
>>> persona1
<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

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.
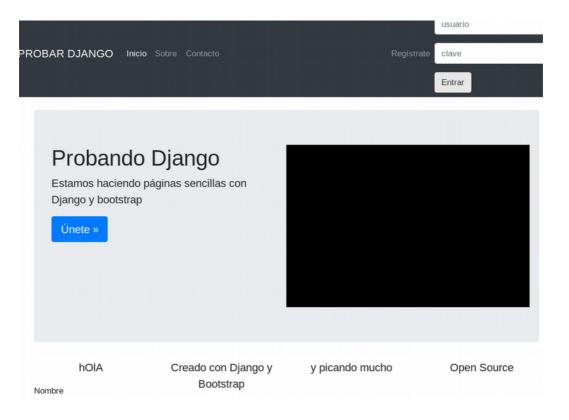
GET - POST


================= 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/

================= 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

Para descargar la carpeta de Registration-Redux
https://minhaskamal.github.io/DownGit/#/home
```
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: Regristrandome  ; probardjango

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

Cambiar url de login , redirect

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

Autenticación para enlaces en navbar

================== CLASE 34 ===============

login en el navbar



subido a github (dom.20-5-18)

================== CLASE 35 ===============
Personalizar CSS en  Jumbotron  y Navbar

================== CLASE 36 ===============
Añadir vídeo al Jumbotron.
https://www.udemy.com/probar-django-construir-una-aplicacion-web-en-python/learn/v4/t/lecture/6003528?start=0
Vídeo o fotos con url.
Y foto en static-pro

================== CLASE 37 ===============
Fontawesome. Va por Version 5.0.13
Por CDN . El código free está en su web:
https://fontawesome.com/get-started

Iconos animados.?

================== CLASE 38 ===============
Cambios según usuarios autenticados.

================== CLASE 39 ===============
Querysets (introducción)
https://docs.djangoproject.com/en/2.0/ref/models/querysets/



subido a github (Lun.21-5-18)