

Integración Bootstrap en DJANGO2

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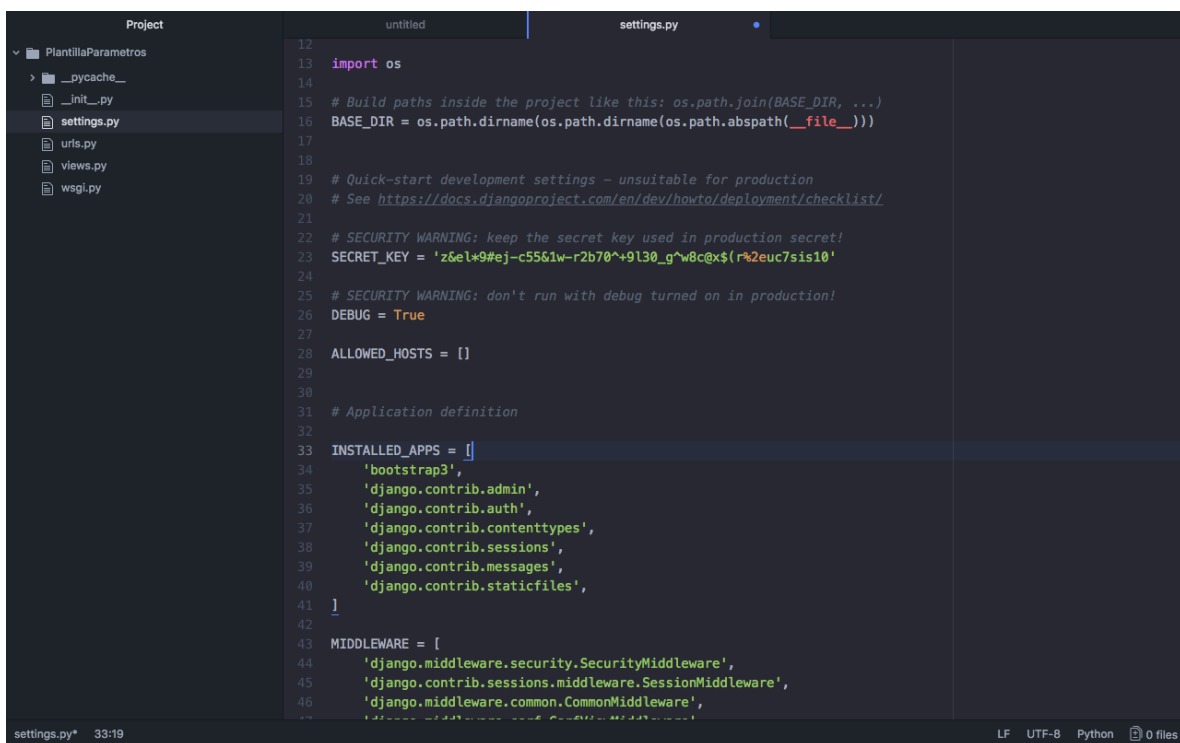
Chile 2017

Ingresar a ambiente y ejecutar

```
pip install django-bootstrap3
```

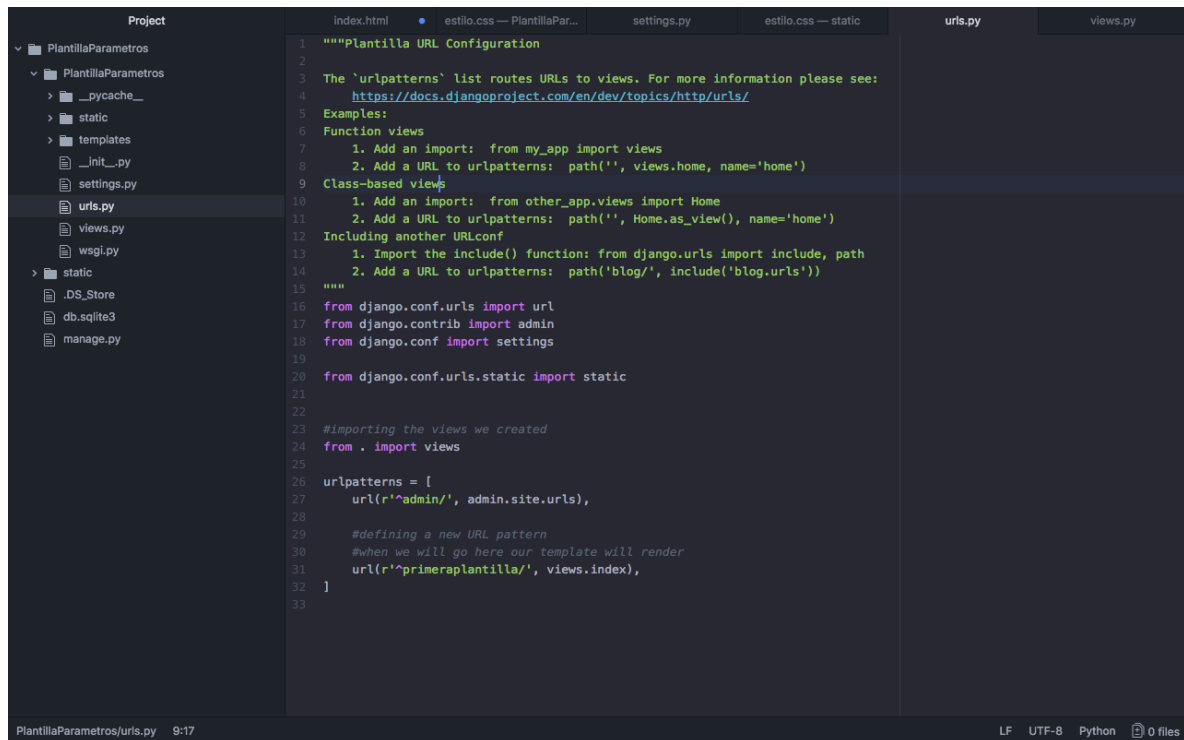
En settings.py agregamos en INSTALLED_APPS

```
'bootstrap3',
```



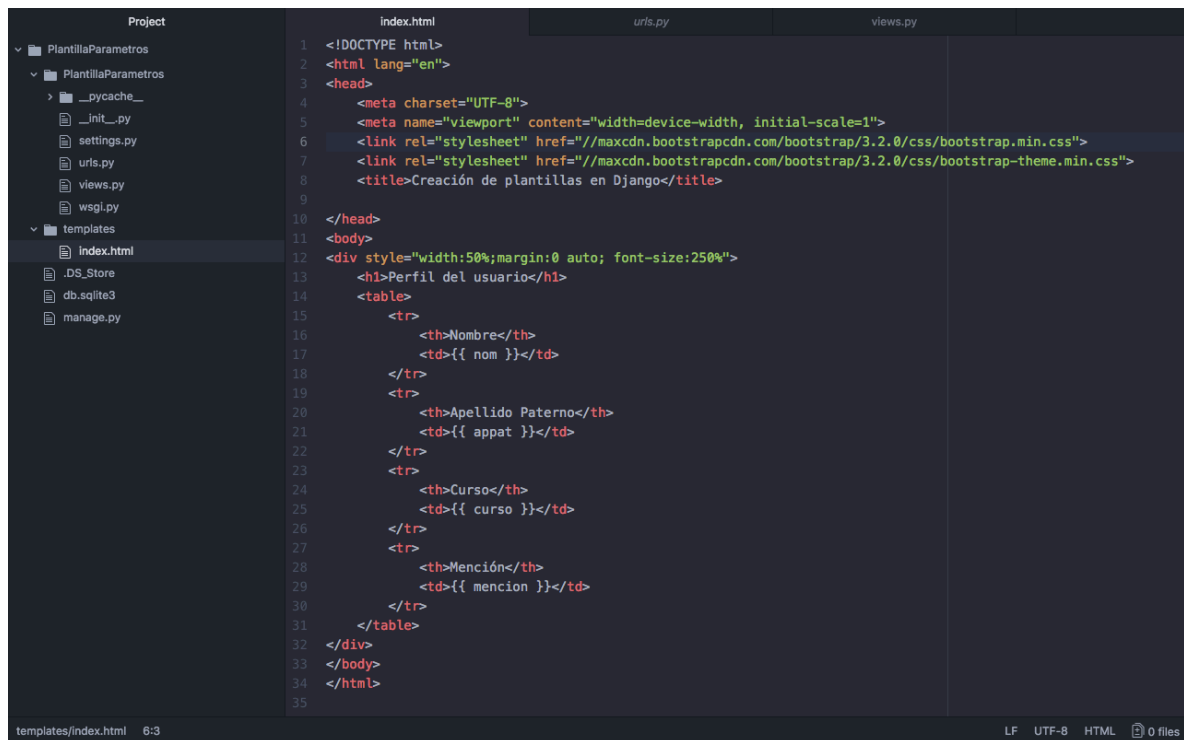
```
12
13 import os
14
15 # Build paths inside the project like this: os.path.join(BASE_DIR, ...)
16 BASE_DIR = os.path.dirname(os.path.dirname(os.path.abspath(__file__)))
17
18
19 # Quick-start development settings - unsuitable for production
20 # See https://docs.djangoproject.com/en/dev/howto/deployment/checklist/
21
22 # SECURITY WARNING: keep the secret key used in production secret!
23 SECRET_KEY = 'z&el*9#ej-c5561w-r2b70^+9l30_g^w8c@x$(r%2euc7sis10'
24
25 # SECURITY WARNING: don't run with debug turned on in production!
26 DEBUG = True
27
28 ALLOWED_HOSTS = []
29
30
31 # Application definition
32
33 INSTALLED_APPS = [
34     'bootstrap3',
35     'django.contrib.admin',
36     'django.contrib.auth',
37     'django.contrib.contenttypes',
38     'django.contrib.sessions',
39     'django.contrib.messages',
40     'django.contrib.staticfiles',
41 ]
42
43 MIDDLEWARE = [
44     'django.middleware.security.SecurityMiddleware',
45     'django.contrib.sessions.middleware.SessionMiddleware',
46     'django.middleware.common.CommonMiddleware',
47     'django.middleware.csrf.CsrfViewMiddleware',
```

En el archivo urls.py debe quedar así



```
1 """Plantilla URL Configuration
2
3 The 'urlpatterns' list routes URLs to views. For more information please see:
4 https://docs.djangoproject.com/en/dev/topics/http/urls/
5 Examples:
6 Function views
7     1. Add an import: from my_app import views
8     2. Add a URL to urlpatterns: path('', views.home, name='home')
9 Class-based views
10    1. Add an import: from other_app.views import Home
11    2. Add a URL to urlpatterns: path('', Home.as_view(), name='home')
12 Including another URLconf
13    1. Import the include() function: from django.urls import include, path
14    2. Add a URL to urlpatterns: path('blog/', include('blog.urls'))
15 """
16 from django.conf.urls import url
17 from django.contrib import admin
18 from django.conf import settings
19
20 from django.conf.urls.static import static
21
22
23 #Importing the views we created
24 from . import views
25
26 urlpatterns = [
27     url(r'^admin/', admin.site.urls),
28
29     #defining a new URL pattern
30     #when we will go here our template will render
31     url(r'^primeraplantilla/', views.index),
32 ]
33
```

Agregamos en nuestro templates/index.html



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1">
6     <link rel="stylesheet" href="//maxcdn.bootstrapcdn.com/bootstrap/3.2.0/css/bootstrap.min.css">
7     <link rel="stylesheet" href="//maxcdn.bootstrapcdn.com/bootstrap/3.2.0/css/bootstrap-theme.min.css">
8     <title>Creación de plantillas en Django</title>
9
10 </head>
11 <body>
12 <div style="width:50%;margin:0 auto; font-size:250%">
13 <h1>Perfil del usuario</h1>
14 <table>
15     <tr>
16         <th>Nombre</th>
17         <td>{{ nom }}</td>
18     </tr>
19     <tr>
20         <th>Apellido Paterno</th>
21         <td>{{ appat }}</td>
22     </tr>
23     <tr>
24         <th>Curso</th>
25         <td>{{ curso }}</td>
26     </tr>
27     <tr>
28         <th>Mención</th>
29         <td>{{ mencion }}</td>
30     </tr>
31 </table>
32 </div>
33 </body>
34 </html>
35
```

Vamos por las carpetas estáticas, permitirán albergar los css, imágenes, fuentes, sonidos, todos aquellos contenidos que ayudarán en el diseño

```
python manage.py collectstatic
```

Si arroja error ya lo resolveremos

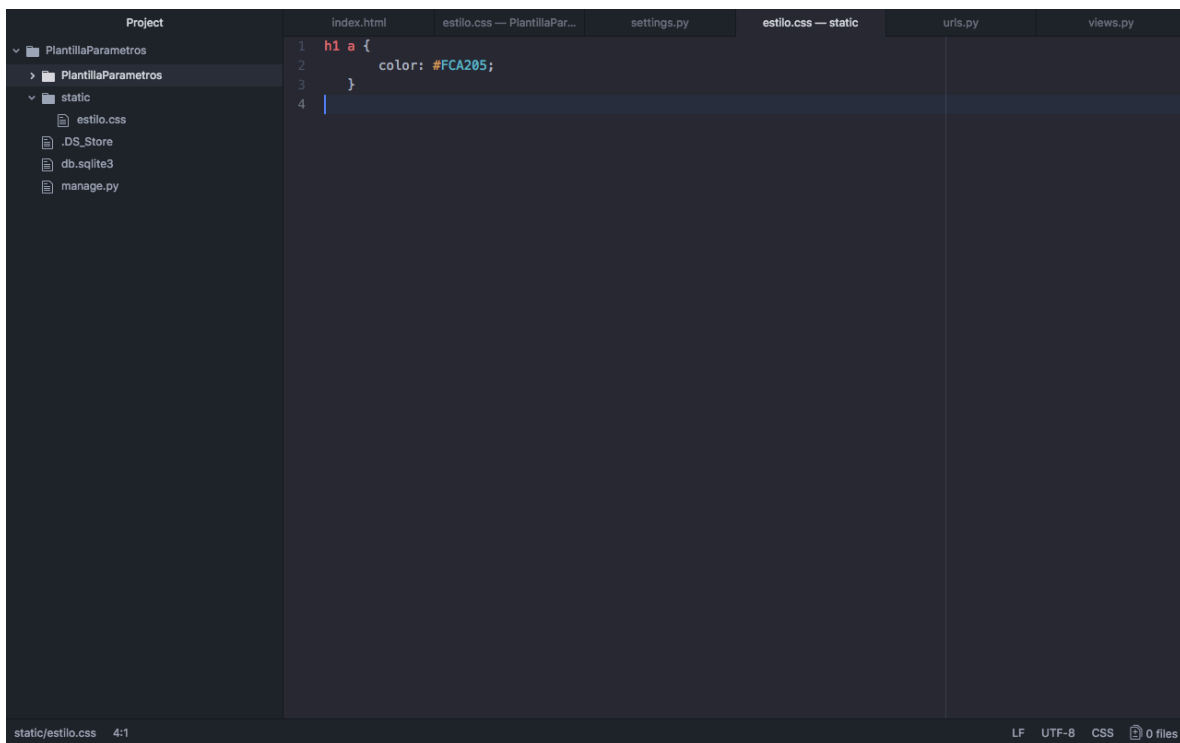
Corre nuevamente el comando

```
python manage.py collectstatic
```

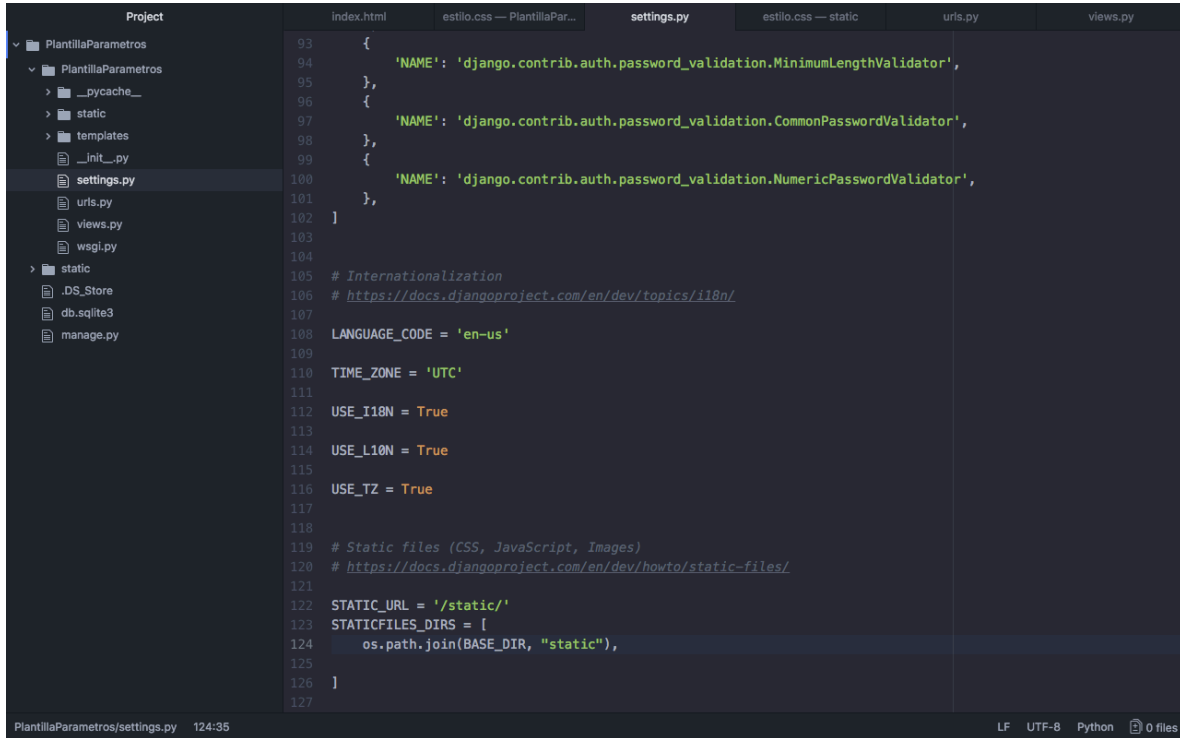
Esto creará la carpeta static, pero solo para admin, crearemos una carpeta static en la ruta PlantillaParametros

Adentro de static crearemos el archivo estilo.css

Debe quedar así



En settings.py



```
93     {
94         'NAME': 'django.contrib.auth.password_validation.MinimumLengthValidator',
95     },
96     {
97         'NAME': 'django.contrib.auth.password_validation.CommonPasswordValidator',
98     },
99     {
100        'NAME': 'django.contrib.auth.password_validation.NumericPasswordValidator',
101    },
102 ]
103
104
105 # Internationalization
106 # https://docs.djangoproject.com/en/dev/topics/i18n/
107
108 LANGUAGE_CODE = 'en-us'
109
110 TIME_ZONE = 'UTC'
111
112 USE_I18N = True
113
114 USE_L10N = True
115
116 USE_TZ = True
117
118
119 # Static files (CSS, JavaScript, Images)
120 # https://docs.djangoproject.com/en/dev/howto/static-files/
121
122 STATIC_URL = '/static/'
123 STATICFILES_DIRS = [
124     os.path.join(BASE_DIR, "static"),
125 ]
126 ]
127
```

Este archivo es importante le dice a Django donde buscar los assets

Confirmamos la ubicación de estilos.css con el siguiente comando

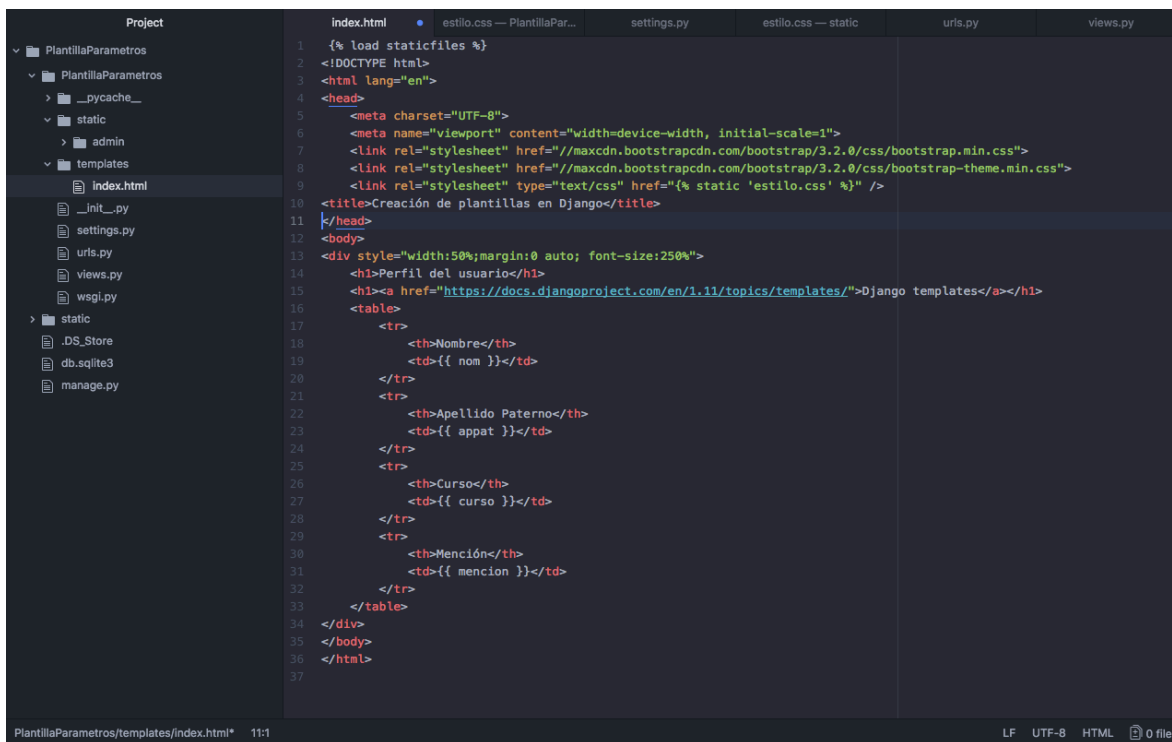
```
python manage.py findstatic --verbosity 2 css/estilo.css
```

/Users/usuario/Django/PlantillaParametros/static

/Users/usuario/.pyenv/versions/amb36/lib/python3.6/site-packages/django/contrib/admin/static

Posibles rutas, declaradas en settings.py

A lo anterior entonces, en el tempates/index.html



```
1 {% load staticfiles %}
2 <!DOCTYPE html>
3 <html lang="en">
4 <head>
5   <meta charset="UTF-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1">
7   <link rel="stylesheet" href="//maxcdn.bootstrapcdn.com/bootstrap/3.2.0/css/bootstrap.min.css">
8   <link rel="stylesheet" href="//maxcdn.bootstrapcdn.com/bootstrap/3.2.0/css/bootstrap-theme.min.css">
9   <link rel="stylesheet" type="text/css" href="{% static 'estilo.css' %}" />
10 <title>Creación de plantillas en Django</title>
11 </head>
12 <body>
13   <div style="width:50%;margin:0 auto; font-size:250%">
14     <h1>Perfil del usuario</h1>
15     <h1><a href="https://docs.djangoproject.com/en/1.11/topics/templates/">Django templates</a></h1>
16     <table>
17       <tr>
18         <th>Nombre</th>
19         <td>{{ nom }}</td>
20       </tr>
21       <tr>
22         <th>Apellido Paterno</th>
23         <td>{{ appat }}</td>
24       </tr>
25       <tr>
26         <th>Curso</th>
27         <td>{{ curso }}</td>
28       </tr>
29       <tr>
30         <th>Mención</th>
31         <td>{{ mencion }}</td>
32       </tr>
33     </table>
34   </div>
35 </body>
36 </html>
37
```

```
{% load staticfiles %}

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet"
href="//maxcdn.bootstrapcdn.com/bootstrap/3.2.0/css/bootstrap.min.css">
  <link rel="stylesheet" href="//maxcdn.bootstrapcdn.com/bootstrap/3.2.0/css/bootstrap-
theme.min.css">
  <link rel="stylesheet" type="text/css" href="{% static 'estilo.css' %}" />
<title>Creación de plantillas en Django</title>
</head>
<body>
<div style="width:50%;margin:0 auto; font-size:250%">
  <h1>Perfil del usuario</h1>
  <h1><a href="https://docs.djangoproject.com/en/1.11/topics/templates/">Django
templates</a></h1>
  <table>
    <tr>
      <th>Nombre</th>
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    </tr>
    <tr>
      <th>Apellido Paterno</th>
      <td>{{ appat }}</td>
    </tr>
    <tr>
      <th>Curso</th>
      <td>{{ curso }}</td>
    </tr>
    <tr>
      <th>Mención</th>
      <td>{{ mencion }}</td>
    </tr>
  </table>
</div>
</body>
</html>
```

Y el archivo views.py queda así

```
from django.http import HttpResponseRedirect

#importing loading from django template
from django.template import loader

#our view which is a function named index
def index(request):

    #getting our template
    template = loader.get_template('index.html')

    #creating the values to pass
    context = {
        'nom':'Rogelio',
        'appat':'Iturra',
        'curso':'EYM',
        'mencion':'Tecnología y nuevos medios',
    }

    #rendering the template in HttpResponseRedirect
    #but this time passing the context and request
    return HttpResponseRedirect(template.render(context, request))
```

```
python manage.py runserver
```



Perfil del usuario

Django templates

Nombre	Rogelio
Apellido	Iturra
Paterno	
Curso	EYM
Mención	Tecnología y nuevos medios