

Tarea 14: Vistas, Templates y Urls

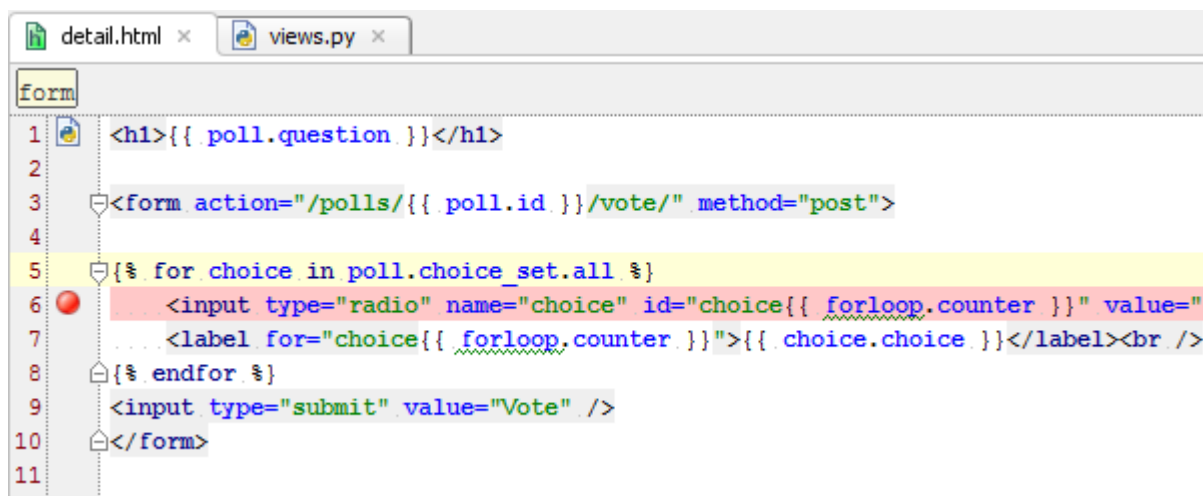
View:

A view function, or “view” for short, is simply a Python function that takes a web request and returns a web response. This response can be the HTML contents of a Web page, or a redirect, or a 404 error, or an XML document, or an image, etc. Example: You use view to create web pages, note that you need to associate a view to a URL to see it as a web page.

```
def list(request):
    queryset = Tweet.objects.all()
    context = {
        "objects": queryset
    }
    return render(request, "home/list.html", context)
```

Template:

A Django template is a string of text that is intended to separate the presentation of a document from its data. A template defines placeholders and various bits of basic logic (template tags) that regulate how the document should be displayed.



```
1 <h1>{{ poll.question }}</h1>
2
3 <form action="/polls/{{ poll.id }}/vote/" method="post">
4
5     {% for choice in poll.choice_set.all %}
6         <input type="radio" name="choice" id="choice{{ forloop.counter }}" value="{{
7         ... <label for="choice{{ forloop.counter }}">{{ choice.choice }}</label><br />
8     {% endfor %}
9     <input type="submit" value="Vote" />
10 </form>
11
```

Url:

In url.py, the most important thing is the "urlpatterns" tuple. It's where you define the mapping between URLs and views. A mapping is a tuple in URL patterns like – from django. conf. urls import patterns, include, url from django.

When a user makes a request for a page on your web app, Django controller takes over to look for the corresponding view via the url.py file, and then return the HTML response or a 404 not found error, if not found.

```
urlpatterns = [
    path('', views.index, name="index"),
    path('list/', views.list, name="list"),
    path('list2/', views.List.as_view(), name="List2"),
    path('detail/<int:id>/', views.detail, name="detail"),
    path('detail2/<int:pk>/', views.Detail.as_view(), name="detail2"),
    path('update/<int:id>/', views.update, name="update"),
    path('delete/<int:id>/', views.delete, name="delete"),
    path('about/', views.about, name="about"),
    path('create/', views.create, name="create"),
    path('create2/', views.Create.as_view(), name="Create2"),
```