

List of steps in creating Django Application

- First create a Django Web Project (say proj) in Visual Studio which will define your manage.py file and the proj folder
- Create Django Application (say app) proj Directory — this gives you files like models.py, views.py, forms.py in the app
- Create a templates folder inside app
- Settings.py
 - `INSTALLED_APPS = ['app',django.contrib.admin.....]`
 - `TEMPLATES = ['DIRS' : os.path.join(BASE_DIR,'app/templates')]`
- Urls.py
 - From `django.contrib.urls` import `include,path`
 - `Urlpatterns = [path('admin/',admin.site.urls),
path(' ', include('app.urls'))]`
- app/forms.py
 - From `django` import `forms`
 - Class `p1Form(forms.Form)` :
 - `X = forms.CharField(max_length = 100)`
 - ...
- app/models.py
 - From `django.db` import `models`
 - Class `p1(models.Model)` :
 - `X = models.CharField(max_length = 100)`
 - ...
- app/admin.py
 - `admin.site.register(X)`
- app/urls.py
 - `Urlpatterns = [path(' ', views.home, name = 'home',
path('p1',views.p1,name = 'p1']`
 - Basically here you add a list of all the views you want (this links every view in the views.py file to a particular URL)
- app/views.py
 - Create a list of views that each correspond to a particular url pattern
 - Def `home(request)` :
 - Return `render(request,"home.html")`
 - Def `p1(request)` :
 - `Form = p1Form()`
 - `Form1 = p1Form(request.POST)`
 - If `Form1.is_valid()` :
 - `X = form1.cleaned_data['whatever']`
 - ...
 - `p1.objects.create(.....)`

```
Return render(request,"p1.html",{ "form" : form})
```

- In order to search for an element you do : `models.objects.get(title = title)`
And then pass this value as context to the html file that you're render

Creating Poll Github :

https://github.com/PrettyPrinted/youtube_video_code/tree/master/2020/02/11/Creating%20a%20Poll%20App%20in%20Django

Creating Poll Tutorial :

<https://prettyprinted.com/tutorials/creating-a-poll-app-in-django>