



# How to Create a Basic Project using MVT in Django ?

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## Prerequisite – [Django Project MVT Structure](#)

Assuming you have gone through the previous article. This article focuses on creating a basic project to render a template using MVT architecture. We will use MVT (Models, Views, Templates) to render data to a local server.

### Create a basic Project:

- To initiate a project of Django on Your PC, open Terminal and Enter the following command

```
django-admin startproject projectName
```

- A New Folder with the name *projectName* will be created. To enter in the project using the terminal enter command

```
cd projectName
```

- Create a new file **views.py** inside the project folder where settings.py, urls.py and other files are stored and save the following code in it-

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## Python3

```
# HttpResponse is used to
```

---

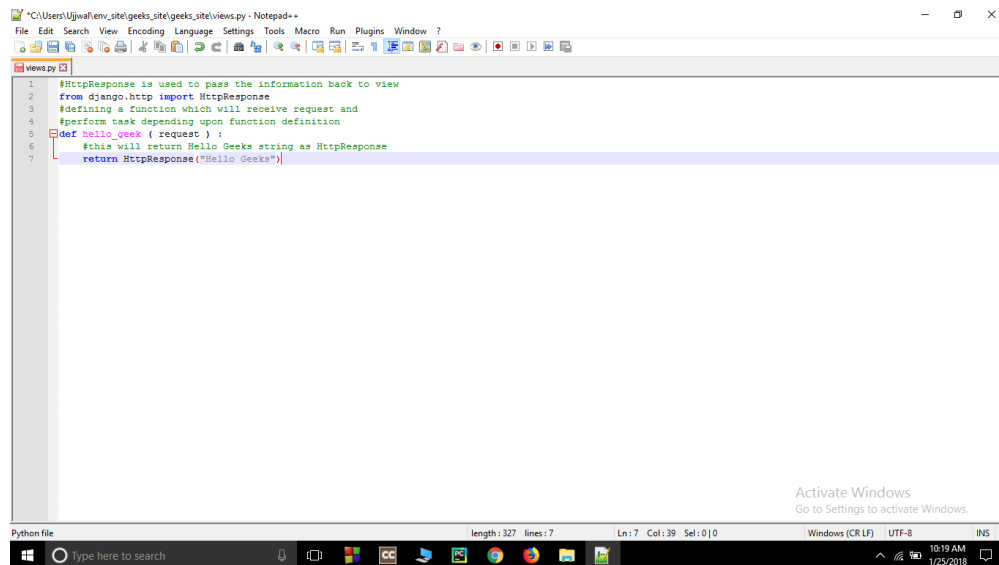
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```
from django.http import HttpResponse
```

```
# Defining a function which  
# will receive request and  
# perform task depending
```

```
# upon function definition
def hello_geeks (request) :

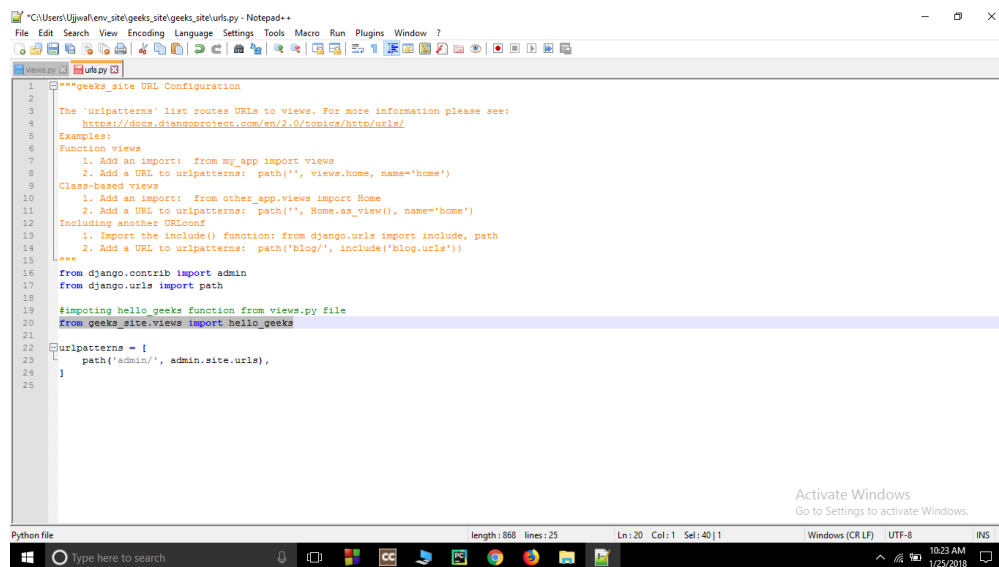
    # This will return Hello Geeks
    # string as HttpResponse
    return HttpResponse("Hello Geeks")
```



```
1 #HttpResponse is used to pass the information back to view
2 from django.http import HttpResponse
3 #defining a function which will receive request and
4 #perform task depending upon function definition
5 def hello_geeks ( request ) :
6     #this will return Hello Geeks string as HttpResponse
7     return HttpResponse("Hello Geeks")
```

- Open `urls.py` inside project folder (projectName) and add your entry-
  - Import `hello_geeks` function from `views.py` file.

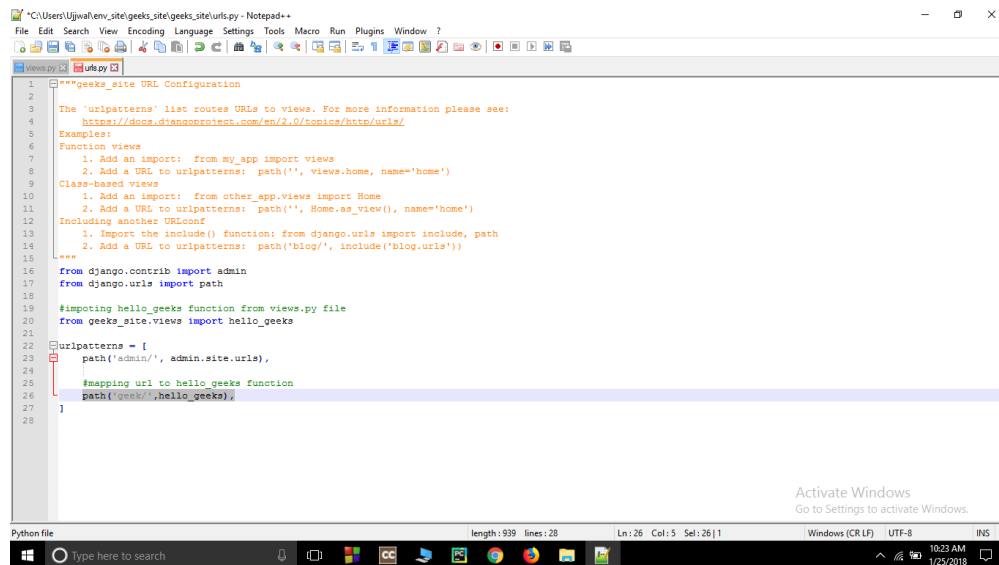
```
from projectName.views import hello_geeks
```



```
1 """geeks_site URL Configuration
2
3 The 'urlpatterns' list routes URLs to views. For more information please see:
4 https://docs.djangoproject.com/en/2.0/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.contrib import admin
17 from django.urls import path
18
19 #importing hello_geeks function from views.py file
20 from geeks_site.views import hello_geeks
21
22 urlpatterns = [
23     path('admin/', admin.site.urls),
24 ]
```

- Add an entry in url field inside url patterns-

```
path('geek/', hello_geeks),
```



- Now to run the server follow these steps-
  - Open command prompt and change directory to env\_site by this command-

```
$ cd env_site
```

- Go to Script directory inside env\_site and activate virtual environment-

```
$ cd Script
```

```
$ activate
```

- Return to the env\_site directory and goto the project directory-

```
$ cd ..
```

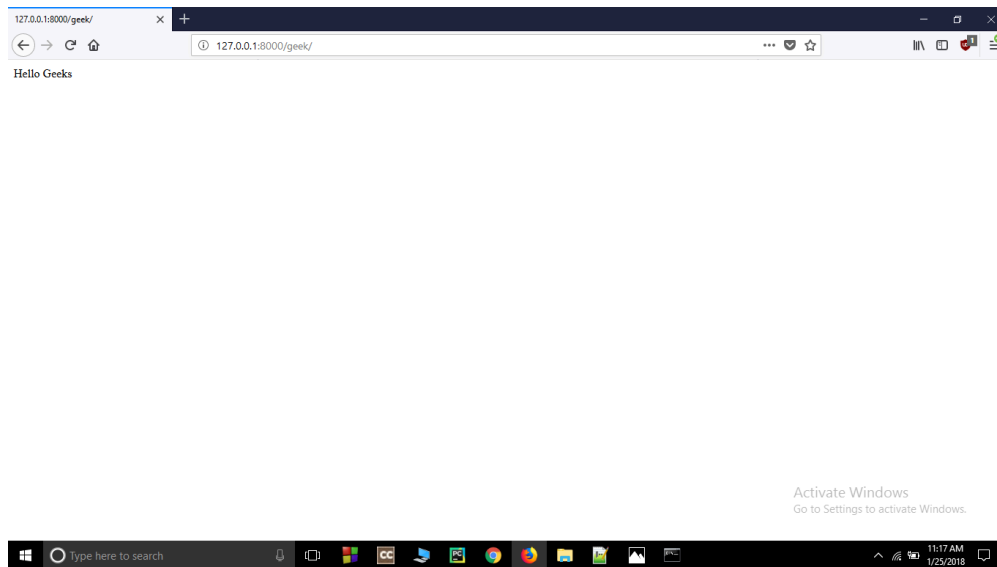
```
$ cd geeks_site
```

- **Start the server-** Start the server by typing following command in cmd-

```
$ python manage.py runserver
```

- **Checking** – Open the browser and type this url-

http://127.0.0.1:8000/geek/



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