

# Django

## Django creating first view



Saurabh Shukla (MySirG)

# Agenda

- ① View
- ② Purpose of views
- ③ steps to perform
- ④ Defining views
- ⑤ set urls
- ⑥ Test your code

# View

Django views are python functions that takes http request and return http response.

This response can be the HTML contents of a webpage, or a redirect, or a 404 error, or an XML, or an image, or ... anything.

# Purpose of views

Django uses MVT design pattern, where **V** stands for **Views**.

**Views are part of user interface**

Main job of views is to receive http request, perform business logic and return http response.

# Steps to perform

1. create project (Already done)

→ `django-admin startproject firstproject`

2. Create web app (Already done)

→ `python manage.py startapp testapp`

3. Update settings.py (Already done)

4. Defining views

5. set url for the view in `urls.py`

# Defining Views

In views.py of testapp:

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

```
def greeting(request):
```

```
    s = "<h1> Hello and welcome to first view </h1>"
```

```
    return HttpResponse(s)
```

## set urls

In urls.py of child first project folder:

```
from testapp import views
```

```
urlpatterns = [
```

```
    path('hello', views.greetings),
```

```
]
```

---

<http://localhost:8000/hello>

# Test your code

Run server

> python manage.py runserver

send request from browser by  
writing following url

> http://localhost:8000/hello