

Multiple views in a single application

Learn by example

- One app in a website usually has multiple views. Let us understand this with an example

Example illustrated from the scratch

- Steps to perform
 - Start project
 - Create application
 - Add app in project's setting.py
 - Define view functions
 - Define url patterns
 - Run Server
 - Send Requests
- Let's do all the above steps one by one.

Start Project

- `Django-admin startproject firstproject`

Create Application

- `Python manage.py startapp testapp`

Add App in settings.py

```
INSTALLED_APPS = [  
    'testapp',  
    'django.contrib.admin',  
    'django.contrib.auth',  
    'django.contrib.contenttypes',  
    'django.contrib.sessions',  
    'django.contrib.messages',  
    'django.contrib.staticfiles',  
]
```

Define View Function

- Define three functions in views.py
 - `showContact()` //email, address, mobile,etc

- about() //About website
- greeting() //for Landing Page

Views.py Coding

```
from django.http import HttpResponse

def greeting(request):
    s=<h1>Hello and Welcome to first View of testapp</h1><p>This is landing page</p>"
    return HttpResponse(s)

def showContact(request):
    s=<h1>Contact Page</h1>"
    s+="
```

Define url patterns

- url for about

```
path('about',views.about)
```

- url for showContact

```
path('contact',views.showContact)
```

- url for greeting (Landing page)

```
url('^$',views.greeting)
```

- Do not forget to write import statements for views and import fro url

```
from testapp import views
```

```
from django.conf.urls import url
```

Run server

```
python manage.py runserver
```

Send Requests

- Localhost:8000/contact
- Localhost:8000/about
- Localhost:8000

Multiple Views in a single application

- 1) Create Project
- 2) Create application
- 3) settings.py
- 4) Define view(views.py--> greeting())
- 5) urls.py
- 6) runserver
- 7) send requests

```
f:
cd projects
django-admin startproject firstproject
cd firstproject
python manage.py startapp testapp
python manage.py runserver
```

Browser

<http://localhost:8000/hello/>

- 4) Define views
greeting(), showContact(), about()

- 5) Urls.py
Landing page- greeting
/about - about
/contact -showContact

```
http://localhost:8000
http://localhost:8000/about/
http://localhost:8000/contact/
```