

Multiple Applications in a single project

Learn by example

- One website (or project) may have multiple applications. We are going to see an example project which contains two applications with multiple views.

Example illustrated from the scratch

- Steps to perform
 - Start project
 - Start 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

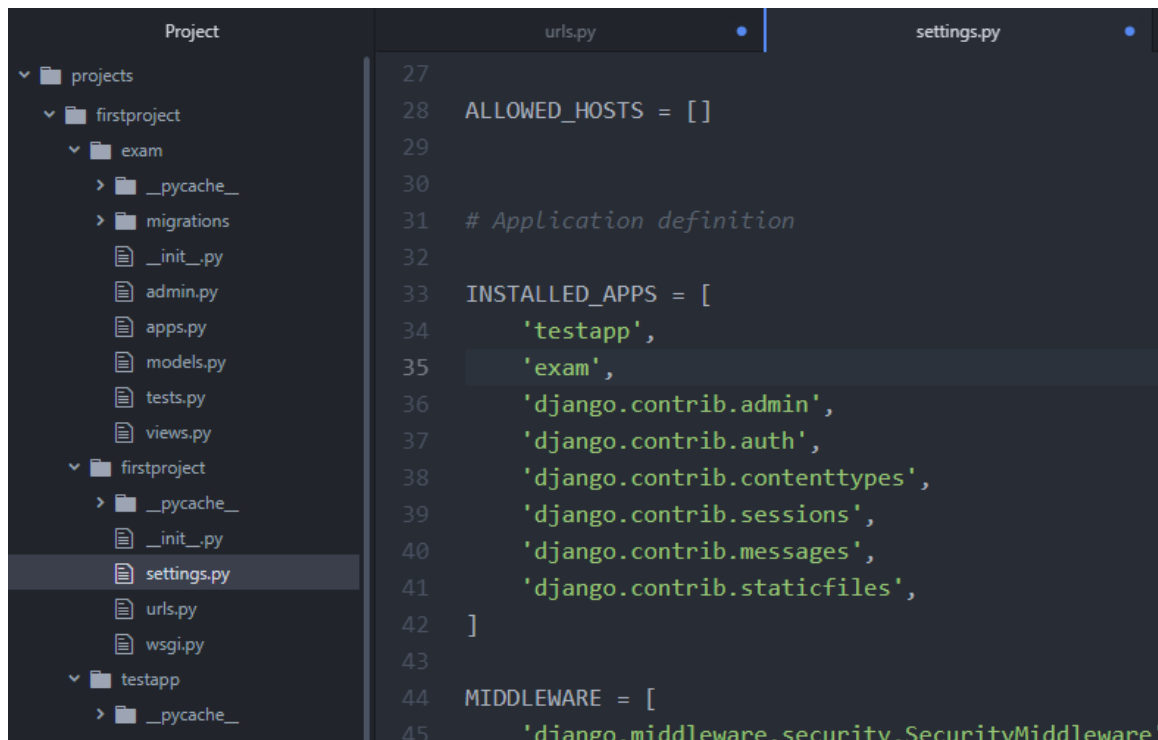
- `Django-admin startproject firstproject`

Create Application

- `Python manage.py startapp testapp`
- `Python manage.py startapp exam`

Add App in settings.py

- `'testapp'`
- `'Exam'`



Define View Function

- Define three functions in views.py of testapp
 - showContact() //email, address, mobile,etc
 - about() //About website
 - greeting() //for Landing Page
- Define two functions in views.py of exam app
 - showTest()
 - showResult()

Views.py of testapp

```
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+="<p>Website: mysirg.com</p>"
```

```
s+<= "<p>Mobile: 9009009001</p>"
s+<= "<p>Email: something@gmail.com</p>"
return HttpResponseRedirect(s)
```

```
def about(request):
    s="<h1>This is an about page</h1>"
    return HttpResponseRedirect(s)
```

Views.py of exam

```
from django.http import HttpResponseRedirect

def showTest(request):
    s="<h1>This is show Test Page</h1>"
    return HttpResponseRedirect(s)
def showResult(request):
    s="<h1>This is show Result Page</h1>"
    return HttpResponseRedirect(s)
```

Define url patterns

- url for about
- url for showContact
- url for greeting (Landing page)
- url for showTest
- url for showResult
- Do not forget to write import statements for views
- Pay attention to name collision issue during import in video
- How to resolve the name collision issue?

- Use as keyword

```
from testapp import views as testapp_view
```

```
from exam import views as exam_view
```

-
- url for about
 - `path('about',testapp_views.about)`
- url for showContact

- `path('contact',testapp_views.showContact)`
- url for greeting (Landing page)
 - `url('^$',testapp_views.greeting)`
- url for showTest
 - `path('test',exam_views.showTest)`
- url for showResult
 - `path('result',exam_views.showResult)`

Run server

```
python manage.py runserver
```

Send Requests

- localhost:8000
- localhost:8000/contact
- localhost:8000/about
- localhost:8000/test
- localhost:8000/result