

Django PDF

- Here, we will learn how to design and generate PDF file using Django view.
- To generate PDF, we will use ReportLab Python PDF library that creates customized dynamic PDF.

`pip install reportlab`

- After installing, we can import it by import keyword in the view file.
- Below is a simple PDF example, in which we are outputting a string message "Hello Django".
- This library provides a canvas and tools that are used to generate customized PDF.

views.py

```
from reportlab.pdfgen import canvas
```

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

```
def getpdf(request):
```

```
    response = HttpResponse(content_type='application/pdf')
```

```
    response['Content-Disposition'] = 'attachment; filename="file.pdf"'
```

```
    p = canvas.Canvas(response)
```

```
    p.setFont("Times-Roman", 55)
```

```
    p.drawString(100,700, "Hello, Django.")
```

```
    p.showPage()
```

```
    p.save()
```

return response

- First, provide MIME (content) type as application/pdf, so that output generates as PDF rather than HTML,
- Set Content-Disposition in which provide header as attachment and output file name.
- Pass response argument to the canvas and drawstring to write the string after that apply to the save() method and return response.

urls.py

```
from django.contrib import admin

from django.urls import path

from admissions import views

urlpatterns = [

    path('admin/', admin.site.urls),

    path('getpdf/',views.getpdf),

]
```

To run the server application

```
python manage.py runserver
```

- Go to browser window and type this url <http://127.0.0.1:8000>
- It will shows the view action and choose the view particular action

<http://127.0.0.1:8000/getpdf>