

How to Generate a PDF in Django

1. Install the PDF Library

```
pip install xhtml2pdf
```

2. Create Template: myapp/templates/myapp/pdf_template.html

```
<!DOCTYPE html>
<html><body><h1>Hello, {{ user_name }}</h1>
<ul>{% for msg in messages %}<li>{{ msg }}</li>{% endfor %}</ul>
</body></html>
```

3. Create View in views.py

```
from django.http import HttpResponse
from django.template.loader import get_template
from xhtml2pdf import pisa

def render_to_pdf(template_src, context_dict):
    template = get_template(template_src)
    html = template.render(context_dict)
    response = HttpResponse(content_type='application/pdf')
    response['Content-Disposition'] = 'attachment; filename="myreport.pdf"'
    pisa.CreatePDF(html, dest=response)
    return response
```

4. Add URL in myapp/urls.py

```
from django.urls import path
from .views import generate_pdf_view
urlpatterns = [ path('pdf/', generate_pdf_view, name='generate_pdf'), ]
```

5. Run the server and visit:

```
http://127.0.0.1:8000/pdf/
```