# Searching in Django

template.html

<form action="{% url 'blog:search\_blog' %}">

{% csrf\_token %}

<input type="text" name="q" placeholder="Search …">

<input type="submit" value="Search" class="btn btn-success">

</form>

urls.py

path('search-blog/', SearchView.as\_view(), name='search\_blog'),

views.py

from django.db.models import Q

class SearchView(View):

def get(self, request, \*args, \*\*kwargs):

queryset = BlogPost.objects.all()

query = request.GET.get('q')

if query:

queryset = queryset.filter(

Q(title\_\_icontains=query) |

Q(content\_\_icontains=query)

).distinct()

context = {

'queryset': queryset,

'query': query,

}

return render(request, 'blogs/search\_result.html', context)

<appname>/templatetags/search\_tag.py

from django import template

from django.utils.safestring import mark\_safe

register = template.Library()

@register.filter

def highlight\_search(text, search):

highlighted = text.replace(

search, '<span class="highlight">{}</span>'.format(search))

return mark\_safe(highlighted)

search\_result.html

{% load search\_tags %}

{% for post in queryset %}

<h4>

<a href="{{ post.get\_absolute\_url }}">

{{ post.title|highlight\_search:query }}

</a>

</h4>

<p>{{ post.content|truncatechars:150|highlight\_search:query }}</p>

{% endfor %}