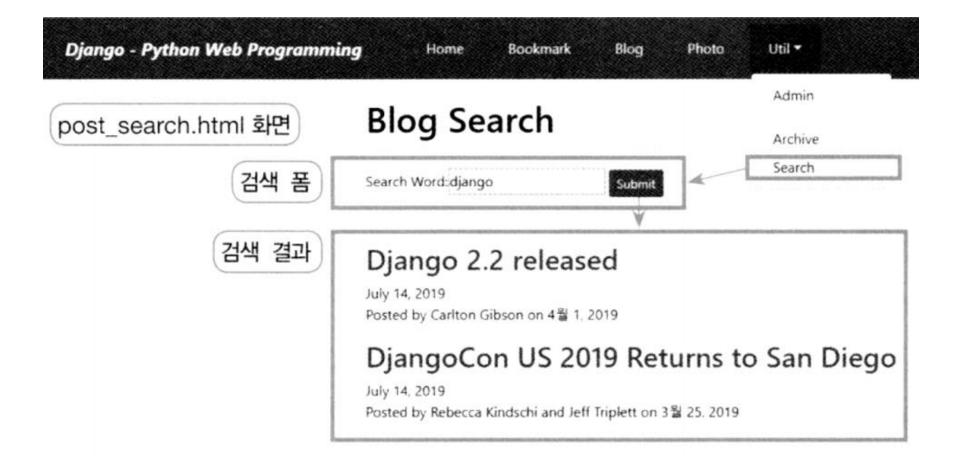
# Blog 앱 확장 - 검색 기능 -

### 애플리케이션 설계하기

#### ❖ 화면 구성



# 애플리케이션 설계하기

### ❖ URL 설계

URL 패턴	뷰이름	템플릿 피일명
(기존 URL에 이래 1개의 URL	추가)	
/blog/search/	SearchFormView(FormView)	post_search,html

# 애플리케이션 설계하기

## ❖ 작업 절차

직업 순서	관련 명령/파일	필요한 작업 내용
	startproject	(2장에서 이미 완료했으므로 생략)
	settings.py	
뼈대 만들기	migrate	
	createsuperuser	
	startapp	(앱 추가는 없으므로 생략)
	settings.py	
	models.py	(생략)
모델 코딩하기	admin.py	
75 T801/	makemigrations	(생략)
	migrate	
URLconf 코딩하기	urls.py	URL 정의 추가
뷰 코딩하기	views.py	뷰 로직 추가
템플릿 코딩하기	templates 디렉터리	템플릿 파일 수정 및 추가
그 외 작업하기	forms.py	검색 폼 클래스 정의

#### blog/forms.py

```
from django import forms

class PostSearchForm(forms.Form):
    search_word = forms.CharField(label='Search Word')
```

#### blog/views.py

```
from django.views.generic import FormView
from django.db.models import Q
from django.shortcuts import render
from blog.forms import PostSearchForm
#--- FormView
class SearchFormView(FormView):
  form class = PostSearchForm
  template name = 'blog/post search.html'
  def form valid(self, form):
    searchWord = form.cleaned data['search word']
    post list = Post.objects.filter(
           Q(title__icontains=searchWord) |
           Q(description__icontains=searchWord)
           Q(content__icontains=searchWord)
    ).distinct()
```

#### blog/views.py

```
context = {}
context['form'] = form
context['search_term'] = searchWord
context['object_list'] = post_list

return render(self.request, self.template_name, context)
```

#### blog/urls.py

```
from django.urls import path, re_path
from blog import views
app_name = 'blog'
urlpatterns = [
  # Example: /blog/search/
  path('search/', SearchFormView.as_view(), name='search'),
```

#### \* menu.html

```
<a class="nav-link dropdown-toggle text-white" href="#"</pre>
      data-toggle="dropdown">Util</a>
   <div class="dropdown-menu">
     <a class="dropdown-item" href="{% url 'admin:index' %}">Admin</a>
     <div class="dropdown-divider"></div>
     <a class="dropdown-item" href="{% url 'blog:post_archive' %}">
       Archive</a>
     <a class="dropdown-item" href="{% url 'blog:search' %}">Search</a>
   </div>
```

#### blog/templates/blog/post\_search.html

```
{% extends "base.html" %}
{% block title %}post_search.html{% endblock %}
{% block content %}
 <h1>Blog Search</h1>
  <br>
  <form action="." method="post"> {% csrf_token %}
    {{ form.as table }}
    <input type="submit" value="Submit" class="btn btn-primary btn-sm">
  </form>
  <br/><br/>
```

#### blog/templates/blog/post\_search.html

```
{% if object_list %}
    {% for post in object_list %}
    <h2><a href='{{ post.get_absolute_url }}'>{{ post.title }}</a></h2>
    {{ post.modify_dt|date:"N d, Y" }}
    {{ post.description }}
    {% endfor %}

{% elif search_term %}
    <b><i>Search Word({{ search_term }}) Not Found !</i></b>
{% endif %}

{% endblock %}
```

