

Create the Django Project

```
django-admin startproject mysite
```

Move into the project folder:

```
cd mysite
```

Create the Blog App

```
python manage.py startapp blog
```

blog/models.py file:-

```
from django.db import models
from django.contrib.auth.models import User

class Post (models.Model):
    user=models.ForeignKey (User, on_delete=models.CASCADE)
    title=models.CharField (max_length=200)
    content=models.TextField()
    created_at= models.DateTimeField(auto_now_add=True)

    def __str__(self):
        return self.title
```

blog/forms.py file :-

```
from django import forms
from .models import Post
from django.contrib.auth.forms import UserCreationForm
from django.contrib.auth.models import User

class PostForm (forms.ModelForm):
    class Meta:
        model=Post
        fields=['title','content']

class SignUpForm(UserCreationForm):
```

```
class Meta:
    model=User
    fields=['username', 'password1', 'password2']
```

blog/views.py file code:-

```
from django.shortcuts import render, redirect, get_object_or_404
from .models import Post
from .forms import PostForm, SignUpForm
from django.contrib.auth.decorators import login_required

def signup(request):
    if request.method == "POST":
        form=SignUpForm(request.POST)
        if form.is_valid():
            form.save()
            return redirect('login')

    else:
        form=SignUpForm()

    return render(request, 'blog/signup.html', {'form':form})

def post_list(request):
    posts=Post.objects.all().order_by('-created_at')
    return render(request, 'blog/post_list.html', {'posts':posts})
```

blog/urls.py file code:-

```
from django.urls import path
from django.contrib.auth import views as auth_views
from . import views

urlpatterns=[
    path('', views.post_list, name='post_list'),

    path('signup/',views.signup, name='signup'),

    path('login/',
```

```
auth_views.LoginView.as_view(template_name='blog/login.html'), name='login'),
    path('logout/', auth_views.LogoutView.as_view(), name='logout'),
]
```

Project folder mysite/urls.py file code:-

```
from django.contrib import admin
from django.urls import path, include

urlpatterns = [
    path('admin/', admin.site.urls),
    path('', include('blog.urls')),
]
```

mysite/settings.py file :-

```
LOGIN_REDIRECT_URL="/"
LOGOUT_REDIRECT_URL="/login"
```

blog/templates/blog/signup.html file code:-

```
<h1>Signup</h1>
<form method="post">
    {% csrf_token %}
    {{ form.as_p }}
    <button type="submit">Register</button>
</form>
<a href="{% url 'login' %}">Login</a>
```

blog/templates/blog/login.html file code:-

```
<h1>Login</h1>
```

```
<form method="post">
  {% csrf_token %}
  {{ form.as_p }}
  <button type="submit">Login</button>
</form>
```

blog/templates/post_list.html

code: -

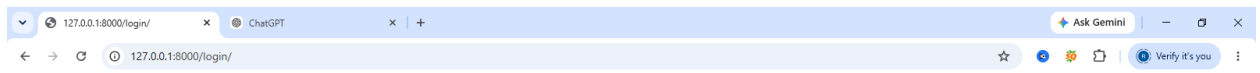
```
<h1> Posts </h1>

<form method="post" action="{% url 'logout' %}">
  {% csrf_token %}
  <button type="submit">Logout</button>
</form>

{% for post in posts %}
<div>

  <h2> {{ post.title }} </h2>
  <p> {{post.content}}</p>

</div>
{% endfor %}
```



Login

Username:

Password:

Activate Windows
Go to Settings to activate Windows.



Signup

Username: Required. 150 characters or fewer. Letters, digits and @./+~/_ only.

Password:

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

Password confirmation: Enter the same password as before, for verification.

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After Login:-

