

Design a Form to Create a Post for an Author

We will create a **Django form** to collect **Post Title** and **Content** from the user.

Step 1: Create a Form (forms.py)

```
from django import forms

from .models import Post
```

```
class PostForm(forms.ModelForm):

    class Meta:

        model = Post

        fields = ['title', 'content'] # Fields in the form
```

👉 This form is linked to the Post model and allows users to enter a title and content.

2. Create a URL to Access the Form (GET Request)

In urls.py, define a URL pattern for the **post creation form**.

Step 2: Add URL Pattern (urls.py)

```
from django.urls import path

from .views import create_post
```

```
urlpatterns = [

    path('create/', create_post, name='create_post'), # URL to access the form

]
```

👉 Visiting /create/ will show the **Post creation form**.

3. Design the View to Show the Form (GET Request) and Save Data (POST Request)

In views.py, create a **view** to handle both form display and form submission.

Step 3: Create the View (views.py)

```
from django.shortcuts import render, redirect

from .forms import PostForm
```

```
def create_post(request):
    if request.method == "POST": # Form submission
        form = PostForm(request.POST)
        if form.is_valid():
            post = form.save(commit=False) # Create a Post object but don't save yet
            post.author = request.user # Assign the logged-in user as the author
            post.save() # Save the post to the database
            return redirect('create_post') # Redirect to the form again or another page
        else:
            form = PostForm() # Empty form for GET request

    return render(request, 'create_post.html', {'form': form})
```

👉 **GET Request:** Displays an empty form.

👉 **POST Request:** Saves data to the Post model if the form is valid.

4. Design the Template to Display the Form (create_post.html)

Create a file templates/create_post.html to show the form.

```
<!DOCTYPE html>

<html>

<head>

    <title>Create Post</title>

</head>

<body>

    <h2>Create a New Post</h2>

    <form method="POST">

        {% csrf_token %} <!-- Security token -->

        {{ form.as_p }} <!-- Display form fields -->

        <button type="submit">Save Post</button>
```

```
</form>
```

```
</body>
```

```
</html>
```

👉 {% csrf_token %} prevents security attacks.

👉 {{ form.as_p }} displays the form fields.