

Here's a simple **Django form-to-database example** that shows how to create a form, submit it, and save the data to the database.

□ **Goal:**

Create a form where users can submit their name and email, and store it in the database.

📁 Folder Setup Overview (Assume app is called `accounts`)

```
python-repl Copy Edit  
  
myproject/  
├─ accounts/  
│  ├─ templates/  
│  │  └─ accounts/  
│  │     └─ user_form.html  
│  ├─ models.py  
│  ├─ forms.py  
│  ├─ views.py  
│  └─ urls.py  
...  

```

◆ Step 1: Create the Model

accounts/models.py

```
python Copy Edit  
  
from django.db import models  
  
class UserProfile(models.Model):  
    name = models.CharField(max_length=100)  
    email = models.EmailField()  
  
    def __str__(self):  
        return self.name
```

◆ Step 2: Create the Form

accounts/forms.py

```
python Copy Edit  
  
from django import forms  
from .models import UserProfile  
  
class UserProfileForm(forms.ModelForm):  
    class Meta:  
        model = UserProfile  
        fields = ['name', 'email']
```

◆ Step 3: Create the View

accounts/views.py

```
python Copy Edit  
  
from django.shortcuts import render, redirect  
from .forms import UserProfileForm  
  
def user_form_view(request):  
    if request.method == "POST":  
        form = UserProfileForm(request.POST)  
        if form.is_valid():  
            form.save()  
            return redirect('form-success')  
    else:  
        form = UserProfileForm()  
    return render(request, 'accounts/user_form.html', {'form': form})  
  
def form_success_view(request):  
    return render(request, 'accounts/success.html')
```

◆ Step 4: Create Templates

templates/accounts/user_form.html

```
html Copy Edit  
  
<!DOCTYPE html>  
<html>  
<head><title>Submit Form</title></head>  
<body>  
    <h2>Submit User Info</h2>  
    <form method="post">  
        {% csrf_token %}  
        {{ form.as_p }}  
        <button type="submit">Submit</button>  
    </form>  
</body>  
</html>
```

templates/accounts/success.html

html

Copy Edit

```
<h2>Form submitted successfully!</h2>
<a href="{% url 'user-form' %}">Submit another</a>
```

◆ Step 5: Set Up URLs

accounts/urls.py

python

Copy Edit

```
from django.urls import path
from . import views

urlpatterns = [
    path('form/', views.user_form_view, name='user-form'),
    path('success/', views.form_success_view, name='form-success'),
]
```

myproject/urls.py

python

Copy Edit

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

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

◆ Step 6: Run Migrations

```
bash
```

Copy Edit

```
python manage.py makemigrations accounts  
python manage.py migrate
```

Now visiting <http://127.0.0.1:8000/accounts/form/> will show the form and store the input in your database when submitted.