Forms example

To create environment 🡪 python -m venv myenv

Activate the environment 🡪 .\myenv\Scripts\activate

#Instal Django 🡪 if u created environment newly

**Create a new Django project**:

django-admin startproject mysite

cd mysite

**Create a new Django app**

python manage.py startapp contact

**Add the new app to your project's settings**:

In student\_registration/settings.py, add 'registration' to the INSTALLED\_APPS

INSTALLED\_APPS = [

...

'contact',

]

**Create the models** in contact/model.py

from django.db import models

class Contact(models.Model):

name = models.CharField(max\_length=100)

email = models.EmailField()

message = models.TextField()

def \_\_str\_\_(self):

return self.name

**contact/forms.py**

**from django import forms**

**from .models import Contact**

**class ContactForm(forms.ModelForm):**

**class Meta:**

**model = Contact**

**fields = ['name', 'email', 'message']**

**Run migrations** to create the database schema:

python manage.py makemigrations

python manage.py migrate

**Create views contact/views.py**

from django.shortcuts import render, redirect

from .forms import ContactForm

def contact\_view(request):

if request.method == 'POST':

form = ContactForm(request.POST)

if form.is\_valid():

form.save()

return redirect('success')

else:

form = ContactForm()

return render(request, 'contact/contact\_form.html', {'form': form})

def success\_view(request):

return render(request, 'contact/success.html')

**Create URLs for these views** in registration/urls.py:

from django.urls import path

from . import views

urlpatterns = [

path('', views.course\_list, name='course\_list'),

path('course/<int:course\_id>/enroll/', views.enroll\_student, name='enroll\_student'),

path('course/<int:course\_id>/students/', views.enrolled\_students, name='enrolled\_students'),

]

**Create templates** for each view:

* **contact/templates/contact/contact\_form.html**

<!DOCTYPE html>

<html>

<head>

<title>Contact Form</title>

</head>

<body>

<h2>Contact Us</h2>

<form method="post">

{% csrf\_token %}

{{ form.as\_p }}

<button type="submit">Submit</button>

</form>

</body>

</html>

* **contact/templates/contact/success.html**

<!DOCTYPE html>

<html><head> <title>Success</title>

</head><body> <h2>Thank you for your message!</h2>

</body> </html>

Configure URL mysite/urls.py

from django.contrib import admin

from django.urls import path, include

urlpatterns = [

path('admin/', admin.site.urls),

path('contact/', include('contact.urls')),

]

**Contact/urls.py**

from django.urls import path

from .views import contact\_view, success\_view

urlpatterns = [

path('', contact\_view, name='contact'),

path('success/', success\_view, name='success'),

]

**Apply migrations**

python manage.py makemigrations

python manage.py migrate

**To run**

Python manage.py runserver

**Ouput link 🡪** [http://127.0.0.1:8000/contact /](http://127.0.0.1:8000/contact%20/)