Models.py

# students/models.py

from django.db import models

class Student(models.Model):

student\_id = models.CharField(max\_length=20, unique=True)

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

course\_name = models.CharField(max\_length=100)

date\_of\_birth = models.DateField()

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

return self.name

forms.py

# students/forms.py

from django import forms

from .models import Student

class StudentForm(forms.ModelForm):

class Meta:

model = Student

fields = ['student\_id', 'name', 'course\_name', 'date\_of\_birth']

views.py

# students/views.py

from django.shortcuts import render, redirect

from .models import Student

from .forms import StudentForm

def student\_management(request):

# Retrieve all students from the database

students = Student.objects.all()

if request.method == 'POST':

form = StudentForm(request.POST)

if form.is\_valid():

form.save() # Save the new student to the database

return redirect('student\_management') # Redirect to the same view to refresh the list

else:

form = StudentForm() # Create a new form instance for GET requests

return render(request, 'students/student\_management.html', {

'form': form,

'students': students, # Pass the list of students to the template

})

student\_management.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Student Management</title>

</head>

<body>

<h1>Student Management</h1>

<h2>Add New Student</h2>

<form method="post">

{% csrf\_token %}

{{ form.as\_p }}

<button type="submit">Add Student</button>

</form>

<h2>All Students</h2>

<table border="1">

<tr>

<th>Student ID</th>

<th>Name</th>

<th>Course Name</th>

<th>Date of Birth</th>

</tr>

{% for student in students %}

<tr>

<td>{{ student.student\_id }}</td>

<td>{{ student.name }}</td>

<td>{{ student.course\_name }}</td>

<td>{{ student.date\_of\_birth }}</td>

</tr>

{% empty %}

<tr>

<td colspan="4">No students available.</td>

</tr>

{% endfor %}

</table>

</body>

</html>

