220962446- Week11 – Homework

**Question 1) Create a web page that receives the following information from a set of students: Student Id, Student Name, Course Name and Date of Birth. The application should also display the information of all the students once the data is Entered**

**Code 1)**

**views.py**

from django.shortcuts import render, redirect

from .models import Student

from .forms import StudentForm

def add\_student(request):

if request.method == 'POST':

form = StudentForm(request.POST)

if form.is\_valid():

form.save()

return redirect('student\_list')

else:

form = StudentForm()

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

def student\_list(request):

if request.method == 'POST':

form = StudentForm(request.POST)

if form.is\_valid():

form.save()

return redirect('student\_list')

else:

form = StudentForm()

students = Student.objects.all()

return render(request, 'base.html', {'form': form, 'students': students})

**forms.py**

from django import forms

from .models import Student

class StudentForm(forms.ModelForm):

class Meta:

model = Student

fields = ['student\_id', 'name', 'course', 'dob']

**urls.py**

from django.urls import path

from .views import student\_list, add\_student

urlpatterns = [

path('', student\_list, name='student\_list'),

path('add/', add\_student, name='add\_student'),

]

**models.py**

from django.db import models

class Student(models.Model):

student\_id = models.CharField(max\_length=10, unique=True)

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

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

dob = models.DateField()

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

return self.name

**base.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Student Registration</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">

</head>

<body class="bg-light">

<div class="container mt-5">

<div class="card shadow p-4">

<h2 class="text-center">Student Registration</h2>

<form method="post" class="mt-3">

{% csrf\_token %}

<div class="mb-3">

{{ form.as\_p }}

</div>

<button type="submit" class="btn btn-primary w-100">Add Student</button>

</form>

</div>

<div class="card shadow mt-4 p-4">

<h2 class="text-center">Student List</h2>

<table class="table table-bordered mt-3">

<thead class="table-dark">

<tr>

<th>Student ID</th>

<th>Name</th>

<th>Course</th>

<th>Date of Birth</th>

</tr>

</thead>

<tbody>

{% for student in students %}

<tr>

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

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

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

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

</tr>

{% endfor %}

</tbody>

</table>

</div>

</div>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"></script>

</body>

</html>

Output 1)

