WP Lab Week 11 Homework

Q.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.

**add\_student.html**

<!DOCTYPE html>

<html>

<head>

<title>Add Student</title>

</head>

<body>

<h1>Add Student</h1>

<form method="post">

{% csrf\_token %}

{{ form.as\_p }}

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

</form>

<a href="{% url 'student\_list' %}">View All Students</a>

</body>

</html>

**student\_list.html**

<!DOCTYPE html>

<html>

<head>

<title>Student List</title>

</head>

<body>

<h1>Student List</h1>

<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>

{% endfor %}

</table>

<br>

<a href="{% url 'add\_student' %}">Add New Student</a>

</body>

</html>

**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']

widgets = {

'date\_of\_birth': forms.DateInput(attrs={'type': 'date'}),

}

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

date\_of\_birth = models.DateField()

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

return f"{self.student\_id} – {self.name}"

**student\_app/urls.py**

from django.urls import path

from . import views

urlpatterns = [

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

path('list/', views.student\_list, name='student\_list'),

]

**views.py**

from django.shortcuts import render, redirect

from .forms import StudentForm

from .models import Student

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, 'student\_app/add\_student.html', {'form': form})

def student\_list(request):

students = Student.objects.all()

return render(request, 'student\_app/student\_list.html', {'students': students})

**Output:**



