HW Lab – 10

Q1.

## models.py:

from django.db import models class Student(models.Model):

student\_id = models.CharField(max\_length=20, primary\_key=True) name = models.CharField(max\_length=100)

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

def str (self): return self.name

## views.py:

from django.shortcuts import render, redirect from .forms import StudentForm

from .models import Student

def student\_view(request):

if request.method == 'POST':

form = StudentForm(request.POST) if form.is\_valid():

form.save()

return redirect('student') # Prevent form resubmission

else:

form = StudentForm()

students = Student.objects.all()

return render(request, 'student\_form.html', {'form': form, 'students': students})

## studentproject/urls.py:

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

urlpatterns = [

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

]

## studentapp/urls.py:

from django.urls import path from . import views

urlpatterns = [

path('', views.student\_view, name='student'),

]

## forms.py:

from django import forms from .models import Student

class StudentForm(forms.ModelForm): class Meta:

model = Student

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

'dob': forms.DateInput(attrs={'type': 'date'}),

}

## student\_form.html:

<!DOCTYPE html>

<html>

<head>

<title>Student Registration</title>

</head>

<body>

<h1>Enter Student Information</h1>

<form method="post">

{% csrf\_token %}

{{ form.as\_p }}

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

</form>

<h2>All Students</h2>

<table border="1">

<tr>

<th>ID</th><th>Name</th><th>Course</th><th>Date of Birth</th>

</tr>

{% for student in students %}

<tr>

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

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

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

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

</tr>

{% endfor %}

</table>

</body>

</html>

