**WP LAB  
Week 10 Homework  
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CSE(AI-ML) – A2**

LAB 10 – Additional Question

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.

**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>



