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.

Code:

webapp/models.py:

from django.db import models

class Student(models.Model):

student\_id = models.IntegerField()

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

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

date\_of\_birth = models.DateField()

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

return self.student\_name

webapp/forms.py:

from django import forms

class StudentForm(forms.Form):

student\_id = forms.IntegerField(label="Student ID")

student\_name = forms.CharField(label="Student Name", max\_length=100)

course\_name = forms.CharField(label="Course Name", max\_length=100)

date\_of\_birth = forms.DateField(label="Date of Birth", widget=forms.DateInput(attrs={'type': 'date'}))

webapp/views.py:

from django.shortcuts import render, redirect

from .models import Student

from .forms import StudentForm

def index(request):

if request.method == 'POST':

form = StudentForm(request.POST)

if form.is\_valid():

student\_id = form.cleaned\_data['student\_id']

student\_name = form.cleaned\_data['student\_name']

course\_name = form.cleaned\_data['course\_name']

date\_of\_birth = form.cleaned\_data['date\_of\_birth']

Student.objects.create(

student\_id=student\_id,

student\_name=student\_name,

course\_name=course\_name,

date\_of\_birth=date\_of\_birth,

)

return redirect('index')

else:

form = StudentForm()

students = Student.objects.all()

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

webapp/templates/index.html:

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Student Information</title>

<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">

</head>

<body>

<div class="container mt-5">

<h1>Student Information</h1>

<form method="post" class="mb-4">

{% csrf\_token %}

{{ form.as\_p }}

<button type="submit" class="btn btn-primary">Submit</button>

</form>

<h2>Student List</h2>

<table class="table">

<thead>

<tr>

<th>Student ID</th>

<th>Student Name</th>

<th>Course Name</th>

<th>Date of Birth</th>

</tr>

</thead>

<tbody>

{% for student in students %}

<tr>

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

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

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

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

</tr>

{% endfor %}

</tbody>

</table>

</div>

<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>

<script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.5.3/dist/umd/popper.min.js"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

</body>

</html>

Image:

