student\_management\_system/

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\_\_init\_\_.py

settings.py

urls.py

wsgi.py

students/

\_\_init\_\_.py

admin.py

apps.py

models.py

tests.py

urls.py

views.py

templates/

base.html

student\_list.html

student\_detail.html

student\_form.html

static/

css/

js/

manage.py

from django.db import models

class Student(models.Model):

name = models.CharField(max\_length=255)

roll\_number = models.CharField(max\_length=10)

class\_name = models.CharField(max\_length=255)

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

return self.name

class Attendance(models.Model):

student = models.ForeignKey(Student, on\_delete=models.CASCADE)

date = models.DateField()

attended = models.BooleanField(default=False)

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

return f"{self.student.name} - {self.date}"

from django.shortcuts import render, redirect

from .models import Student

from .forms import StudentForm

def student\_list(request):

students = Student.objects.all()

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

def student\_detail(request, pk):

student = Student.objects.get(pk=pk)

return render(request, 'student\_detail.html', {'student': student})

def student\_create(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\_form.html', {'form': form})

def student\_update(request, pk):

student = Student.objects.get(pk=pk)

if request.method == 'POST':

form = StudentForm(request.POST, instance=student)

if form.is\_valid():

form.save()

return redirect('student\_detail', pk=pk)

else:

form = StudentForm(instance=student)

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

def student\_delete(request, pk):

student=Student.objects.get(pk=pk)

if request.method == 'POST':

student.delete()

return redirect('student\_list')

return render(request, 'student\_confirm\_delete.html', {'student': studentfrom django.shortcuts import render, redirect

from .models import Student, Attendance

from .forms import AttendanceForm

def attendance\_list(request):

attendances = Attendance.objects.all()

return render(request, 'attendance\_list.html', {'attendances': attendances})

def mark\_attendance(request, pk):

student = Student.objects.get(pk=pk)

attendance, created = Attendance.objects.get\_or\_create(student=student, date=datetime.date.today())

if request.method == 'POST':

form = AttendanceForm(request.POST, instance=attendance)

if form.is\_valid():

form.save()

return redirect('student\_detail', pk=pk)

else:

form = AttendanceForm(instance=attendance)

return render(request, 'mark\_attendance.html', {'form': form, 'student': student})})

from django import forms

from .models import Student

class StudentForm(forms.ModelForm):

class Meta:

model = Student

fields = ('name', 'roll\_number', 'class\_name')

class AttendanceForm(forms.ModelForm):

class Meta:

model = Attendance

fields = ('attended',)

from django.urls import path

from . import views

urlpatterns = [

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

path('<pk>/', views.student\_detail, name='student\_detail'),

path('create/', views.student\_create, name='student\_create'),

path('<pk>/update/', views.student\_update, name='student\_update'),

path('<pk>/delete/', views.student\_delete, name='student\_delete'),

]

urlpatterns += [

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

path('<pk>/mark\_attendance/', views.mark\_attendance, name='mark\_attendance'),

]