



model

from django.db import models  
  
# Create your models here.  
# db name=crud001, superuser iha,123  
class User(models.Model):  
 name=models.CharField(max\_length=50)  
 email = models.EmailField(max\_length=100)  
 pwd=models.CharField(max\_length=50)

urls

from django.contrib import admin  
from django.urls import path  
from app\_crud import views  
  
urlpatterns = [  
 path(**'admin/'**, admin.site.urls),  
 path(**''**, views.add\_show\_fun, name=**'add\_show'**),  
 path(**'delete/<int:id>/'**, views.delete, name=**'deletedata'**), # dynamic url  
 path(**'update/<int:id>/'**, views.update, name=**'updatedata'**),  
]

forms

from django import forms  
from .models import User  
  
class StudentRegForm(forms.ModelForm):  
 class Meta:  
 model=User  
 fields=[**'name'**,**'email'**,**'pwd'**]  
 # widgets add to modify fields/ customerize fields  
 widgets = {  
 **'name'**:forms.TextInput(attrs={**'class'**:**'form-control'**}), # form-control is style from bootstrap  
 **'email'**: forms.EmailInput(attrs={**'class'**: **'form-control'**}),  
 **'pwd'**: forms.PasswordInput(render\_value=True ,attrs={**'class'**: **'form-control'**}), # rendervalue true ayit kodthal mathrame pwd updste cheyyan varikyolu  
 }

view

from django.shortcuts import render,redirect  
from .forms import StudentRegForm  
from .models import User  
from django.http import HttpResponseRedirect  
  
  
# Create your views here.  
def add\_show\_fun(request):  
 if request.method==**'POST'**:  
 obj=StudentRegForm(request.POST)  
  
# easy method of saving  
 # if obj.is\_valid():  
 # obj.save()  
# other method of saving with cleaned data  
 if obj.is\_valid():  
 x = obj.cleaned\_data[**'name'**]  
 y = obj.cleaned\_data[**'email'**]  
 z = obj.cleaned\_data[**'pwd'**]  
 rec=User(name=x,email=y,pwd=z)  
 rec.save()  
 obj = StudentRegForm() # to make the input fields empty after add data/saving data  
 else:  
 obj = StudentRegForm() # else generate blank  
 stud=User.objects.all()  
 return render(request, **'add\_show.html'**, {**'form'**: obj ,**'stu'**:stud}) #stu key,  
  
def delete(request,id):  
 if request.method==**'POST'**:  
 obj = User.objects.get(pk=id) # obj just a variable  
 obj.delete()  
 return HttpResponseRedirect(**'/'**)# home  
  
# function to update and edit  
def update(request,id):  
 if request.method==**"POST"**:  
 obj=User.objects.get(pk=id)  
 fm=StudentRegForm(request.POST, instance=obj)  
 if fm.is\_valid():  
 fm.save()  
  
 else:  
  
 obj=User.objects.get(pk=id)  
 fm=StudentRegForm(instance=obj)  
 # return render(request, 'updatestudent.html',{'id':id}) # working chk  
 return render(request, **'updatestudent.html'**, {**'form'**: fm , **'id'**:id}) # working chk

settings

INSTALLED\_APPS = [  
 **'app\_crud' ]**  
TEMPLATES = [  
 { **'DIRS'**: [**'templates']}**  
# Database  
# https://docs.djangoproject.com/en/5.1/ref/settings/#databases  
DATABASES = {  
 **'default'**: {  
 **'ENGINE'**: **'django.db.backends.mysql'**,  
 **'NAME'**: **'crud001'**,  
 **'USER'**:**'root'**,  
 **'PASSWORD'**:**'3636'**,  
 **'HOST'**:**''**,  
 **'PORT'**:**''** }  
}

Admin

from django.contrib import admin  
from app\_crud.models import User  
# Register your models here.  
  
admin.site.register(User)  
class UserAdmin(admin.ModelAdmin):  
 list\_display = [**"id"**,**'name'**,**'email'**,**'pwd'**]

base.html

<html lang="en">  
 <head>  
 {% load static %}  
 <!-- Required meta tags -->  
 <meta charset="utf-8">  
 <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">  
  
 <!-- Bootstrap CSS -->  
 <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">  
  
 </head>  
 <body>  
 <div class="container mt-5">  
 <h2 class="text-center" style="background-color: LightSteelBlue; font-weight: bold; padding: 10px; border: 1px solid black;">  
 Function Based View Model Form CURD projects</h2>  
  
 {% block content %} <!-- block name is content -->  
  
  
 {% endblock content %}  
 </div>  
  
 <!-- Optional JavaScript -->  
 <!-- jQuery first, then Popper.js, then Bootstrap JS -->  
 <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script>  
 <script src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>  
 <script src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script>  
 </body>  
</html>

Add\_show.html

{% extends 'base.html' %}  
{% block content %}  
<div class="row">  
 <div class="col-sm-4">  
 <h5 class="text-center alert alert-info" >ADD NEW STUDENT</h5>  
 <form method="POST">  
 {% csrf\_token %}  
 {{form.as\_p}}  
 <input type="submit" class="btn-success" value="ADD">  
 </form>  
 </div>  
  
 <div class="col-sm-7 offset-1"> <!-- offset-1 for getting gap between two tables-->  
 <h4 class="text-center alert alert-info" >Show student information</h4>  
<!-- Table Data -->  
 {% if stu %}  
 <table class="table table-hover">  
 <thead>  
 <tr>  
 <th scope="col">ID</th>  
 <th scope="col">Name</th>  
 <th scope="col">Email</th>  
 <th scope="col">Password</th>  
 <th scope="col">Action</th>  
 </tr>  
 </thead>  
 <tbody>  
 {% for i in stu %}<!--# loop for getting all records from DB-->  
 <tr>  
 <th scope="row">{{i.id}}</th>  
 <td>{{i.name}}</td>  
 <td>{{i.email}}</td>  
 <td>{{i.pwd}}</td>  
 <td> <!-- to be continue from here.......-->  
 <a href="{% url 'updatedata' i.id %}" class="btn btn-warning btn-sm">edit</a>  
 <form action="{% url 'deletedata' i.id %}"  
 method="post" class="d-inline"> {% csrf\_token %}  
 <input type="submit" class="btn btn-danger"  
 value="delete">  
 </form>  
 </td>  
 </tr>  
 </tr>  
 {% endfor %}  
 </tbody>  
 </table>  
  
 {% else %}  
 <h4 class="text-center alert alert-warning">No Records</h4>  
  
 {% endif %}  
 </div>  
</div>  
{% endblock content %}

Update.html

{% extends 'base.html' %}  
{% block content %}  
<!--<h4>UPDATE STUDENT DETAILS</h4>-->  
<!--<h6> STUDENT ID :{{ id }}</h6> working chk-->  
<div class="row">  
 <div class="col-sm-8 offset-2">  
 <h4 class="alert alert-info">STUDENT ID :{{ id }}</h4>  
 <form action="" method="post">  
 {% csrf\_token %}  
 {{form.as\_p}}  
 <input type="submit" class="btn btn-success" value="Update">  
 <a href="{% url 'add\_show' %}" class="btn btn-info"> Back to Home</a>  
 </form>  
 </div>  
</div>  
{% endblock content %}