**Code:**

**#Code1**

**from django import forms**

**from django.contrib.auth.forms import UserCreationForm**

**from django.contrib.auth.models import User**

**# Create your forms here.**

**class NewUserForm(UserCreationForm):**

**email = forms.EmailField(required=True)**

**class Meta:**

**model = User**

**fields = ("username", "email", "password1", "password2")**

**def save(self, commit=True):**

**user = super(NewUserForm, self).save(commit=False)**

**user.email = self.cleaned\_data['email']**

**if commit:**

**user.save()**

**return user**

**#Code2**

**from django.urls import path**

**from . import views**

**app\_name = "main"**

**urlpatterns = [**

**path("", views.homepage, name="homepage"),**

**path("register", views.register\_request, name="register")**

**]**

**#Code3**

**from django.shortcuts import render, redirect**

**from .forms import NewUserForm**

**from django.contrib.auth import login**

**from django.contrib import messages**

**def register\_request(request):**

**if request.method == "POST":**

**form = NewUserForm(request.POST)**

**if form.is\_valid():**

**user = form.save()**

**login(request, user)**

**messages.success(request, "Registration successful." )**

**return redirect("main:homepage")**

**messages.error(request, "Unsuccessful registration. Invalid information.")**

**form = NewUserForm()**

**return render (request=request, template\_name="main/register.html", context={"register\_form":form})**

**#Code4**

**from django.urls import path**

**from . import views**

**app\_name = "main"**

**urlpatterns = [**

**path("", views.homepage, name="homepage"),**

**path("register", views.register\_request, name="register"),**

**path("login", views.login\_request, name="login")**

**]**

**#Code5**

**from django.shortcuts import render, redirect**

**from .forms import NewUserForm**

**from django.contrib.auth import login, authenticate #add this**

**from django.contrib import messages**

**from django.contrib.auth.forms import AuthenticationForm #add this**

**def register\_request(request):**

**...**

**def login\_request(request):**

**if request.method == "POST":**

**form = AuthenticationForm(request, data=request.POST)**

**if form.is\_valid():**

**username = form.cleaned\_data.get('username')**

**password = form.cleaned\_data.get('password')**

**user = authenticate(username=username, password=password)**

**if user is not None:**

**login(request, user)**

**messages.info(request, f"You are now logged in as {username}.")**

**return redirect("main:homepage")**

**else:**

**messages.error(request,"Invalid username or password.")**

**else:**

**messages.error(request,"Invalid username or password.")**

**form = AuthenticationForm()**

**return render(request=request, template\_name="main/login.html", context={"login\_form":form})**

**HTML Files:**

**#File1: register.html**

{% extends "main/header.html" %}

{% block content %}

{% load crispy\_forms\_tags %}

<!--Register-->

<div class="container py-5">

<h1>Register</h1>

<form method="POST">

{% csrf\_token %}

{{ register\_form|crispy }}

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

</form>

<p class="text-center">If you already have an account, <a href="/login">login</a> instead.</p>

</div>

{% endblock %}

**#File2: login.html**

{% extends "main/header.html" %}

{% block content %}

{% load crispy\_forms\_tags %}

<!--Login-->

<div class="container py-5">

<h1>Login</h1>

<form method="POST">

{% csrf\_token %}

{{ login\_form|crispy }}

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

</form>

<p class="text-center">Don't have an account? <a href="/register">Create an account</a>.</p>

</div>

{% endblock %}

