**Practical-5**

Aim: Creation of custom forms for the social media application. Apply concepts of Form Class, Model Form. Ensure appropriate models are considered for the various forms.

**Code:**

jobs/models.py:

from django.db import models

class JobPosting(models.Model):

    title = models.CharField(max\_length=100)

    description = models.TextField()

    location = models.CharField(max\_length=100)

    salary = models.DecimalField(max\_digits=10, decimal\_places=2)

    deadline = models.DateField()

    created\_at = models.DateTimeField(auto\_now\_add=True)

    def \_\_str\_\_(self):

        return self.title

jobs/forms.py:

from django import forms

from .models import JobPosting

class JobPostingForm(forms.ModelForm):

    class Meta:

        model = JobPosting

        fields = ['title', 'description', 'location', 'salary', 'deadline']

    def \_\_init\_\_(self, \*args, \*\*kwargs):

        super().\_\_init\_\_(\*args, \*\*kwargs)

        self.fields['description'].widget = forms.Textarea(attrs={'rows': 4})

jobs/urls.py:

from django.urls import path

from . import views

urlpatterns = [

    path('job\_postings/', views.job\_postings, name='job\_postings'),

    path('create\_job\_posting/', views.create\_job\_posting, name='create\_job\_posting'),

    path('job\_posting/<int:job\_posting\_id>/', views.job\_posting\_detail, name='job\_posting\_detail'),

]

Jobs/views.py:

from django.shortcuts import render, redirect, get\_object\_or\_404

from .models import JobPosting

from .forms import JobPostingForm

def create\_job\_posting(request):

    if request.method == 'POST':

        form = JobPostingForm(request.POST)

        if form.is\_valid():

            job\_posting = form.save(commit=False)

            job\_posting.save()

            return redirect('job\_postings')

    else:

        form = JobPostingForm()

    return render(request, 'create\_job.html', {'form': form})

def job\_postings(request):

    job\_postings = JobPosting.objects.all()

    return render(request,'jobPosting.html',{'job\_postings': job\_postings})

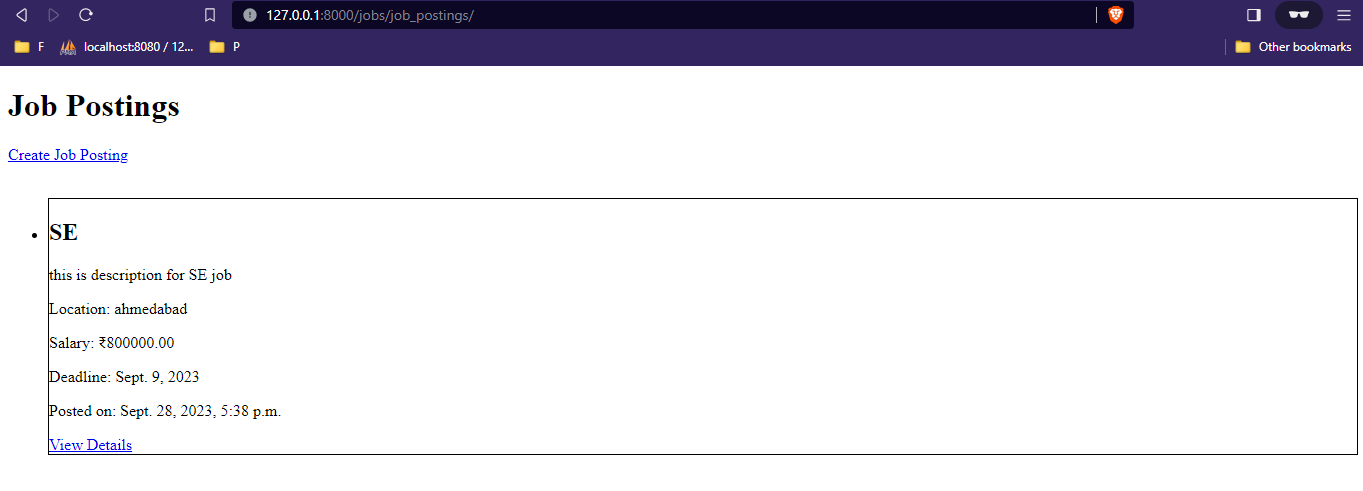
def job\_posting\_detail(request, job\_posting\_id):

    job\_posting = get\_object\_or\_404(JobPosting, pk=job\_posting\_id)

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

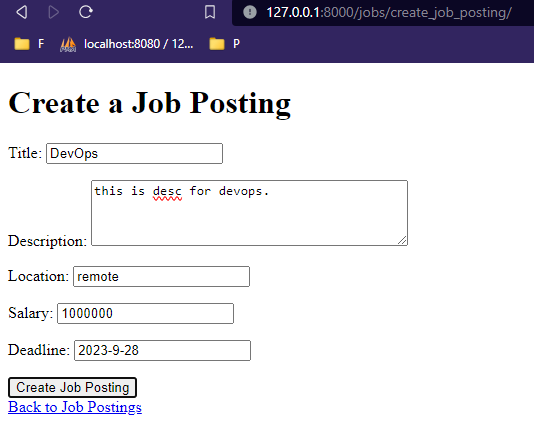
**Output:**

Home page (jobs posting):

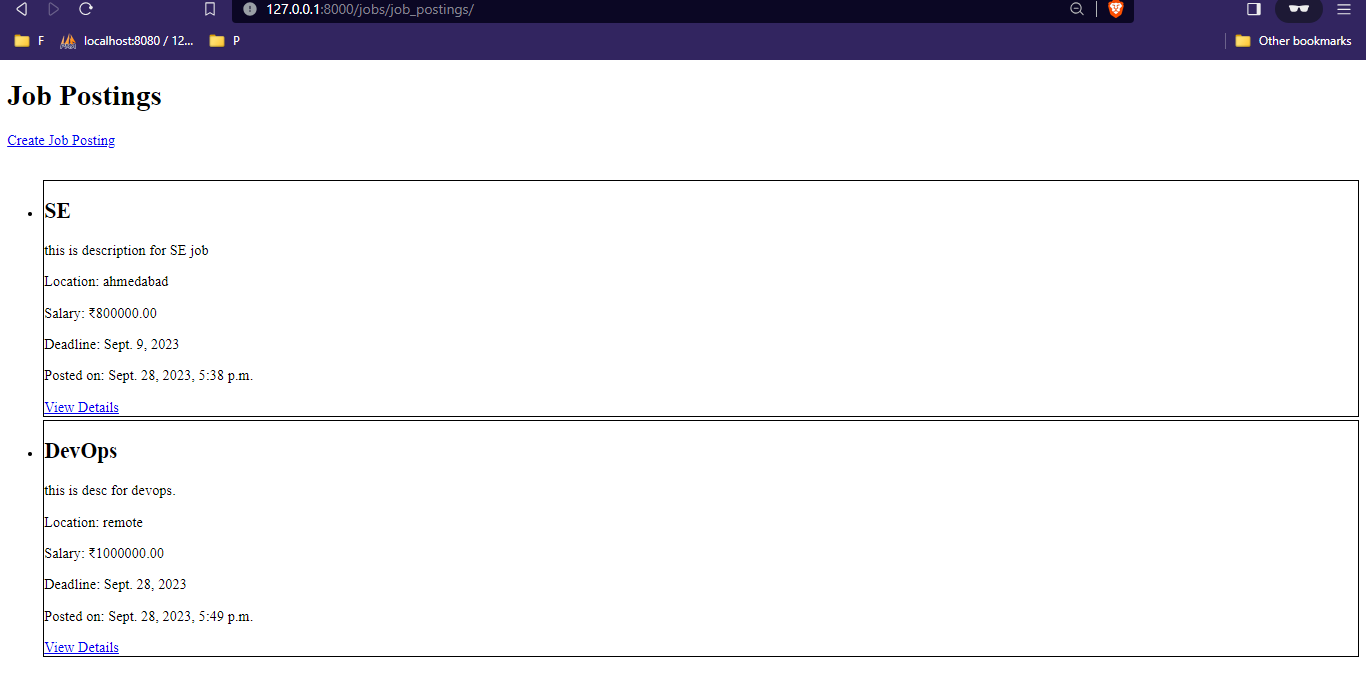


After clicking on “Create Job Posting”.

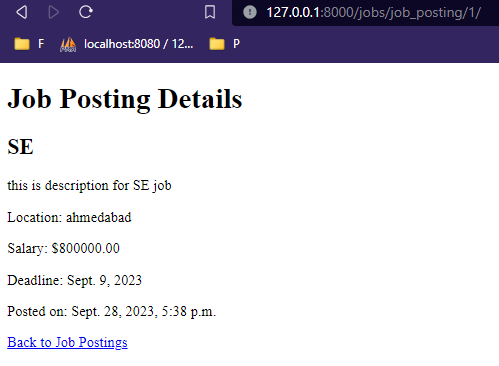
Filling details.



After clicking “Create Job Posting”.



Clicking on “View Details”.



Use of 404 not found:

In settings.py file

DEBUG = False

ALLOWED\_HOSTS = ["http://127.0.0.1:8000/"]

In jobs/views.py file.

def job\_posting\_detail(request, job\_posting\_id):

    job\_posting = get\_object\_or\_404(JobPosting, pk=job\_posting\_id)

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

