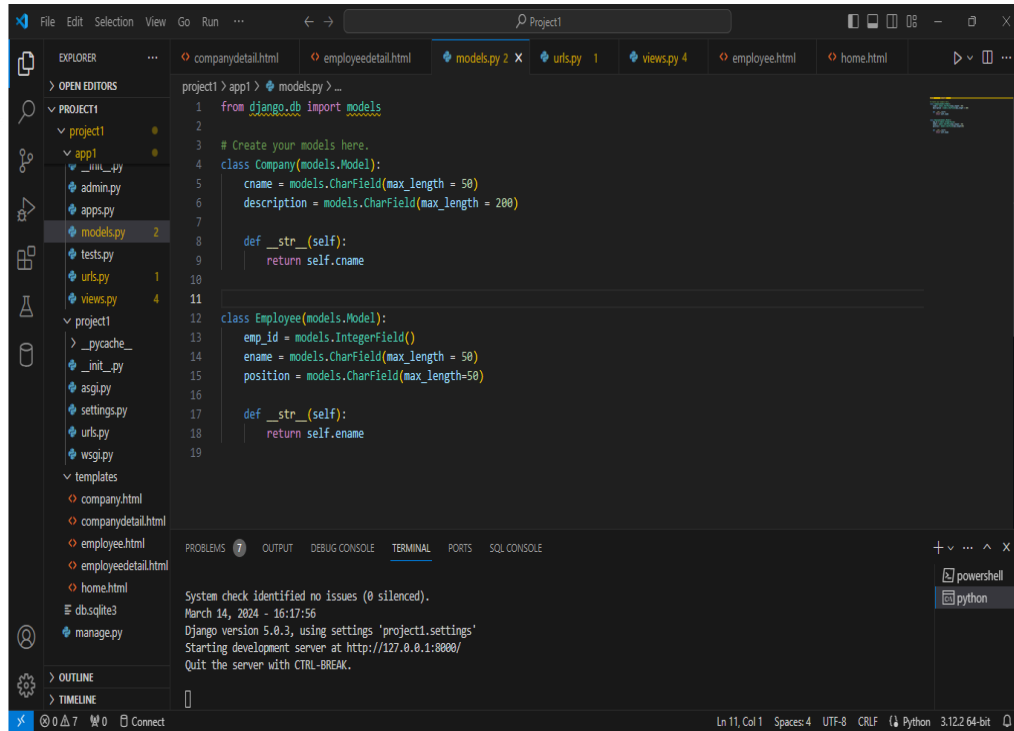


DJANGO TASK DAY – 4

Create list and detail view using function & class-based view in django

1. Create a new django project
2. Create an app
3. Create two models and then add items (using admin panel or shell)



```
project1 > app1 > models.py > ...
1 from django.db import models
2
3 # Create your models here.
4 class Company(models.Model):
5     cname = models.CharField(max_length=50)
6     description = models.CharField(max_length=200)
7
8     def __str__(self):
9         return self.cname
10
11
12 class Employee(models.Model):
13     emp_id = models.IntegerField()
14     ename = models.CharField(max_length=50)
15     position = models.CharField(max_length=50)
16
17     def __str__(self):
18         return self.ename
19
```

System check identified no issues (0 silenced).
March 14, 2024 - 16:17:56
Django version 5.0.3, using settings 'project1.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.

Fig: 1 Models.py

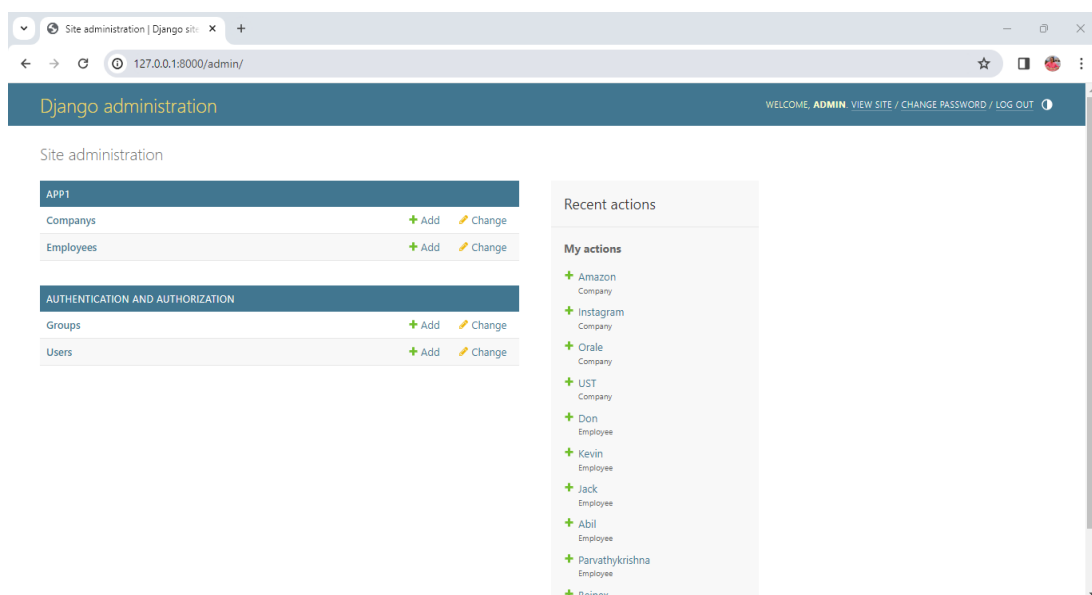
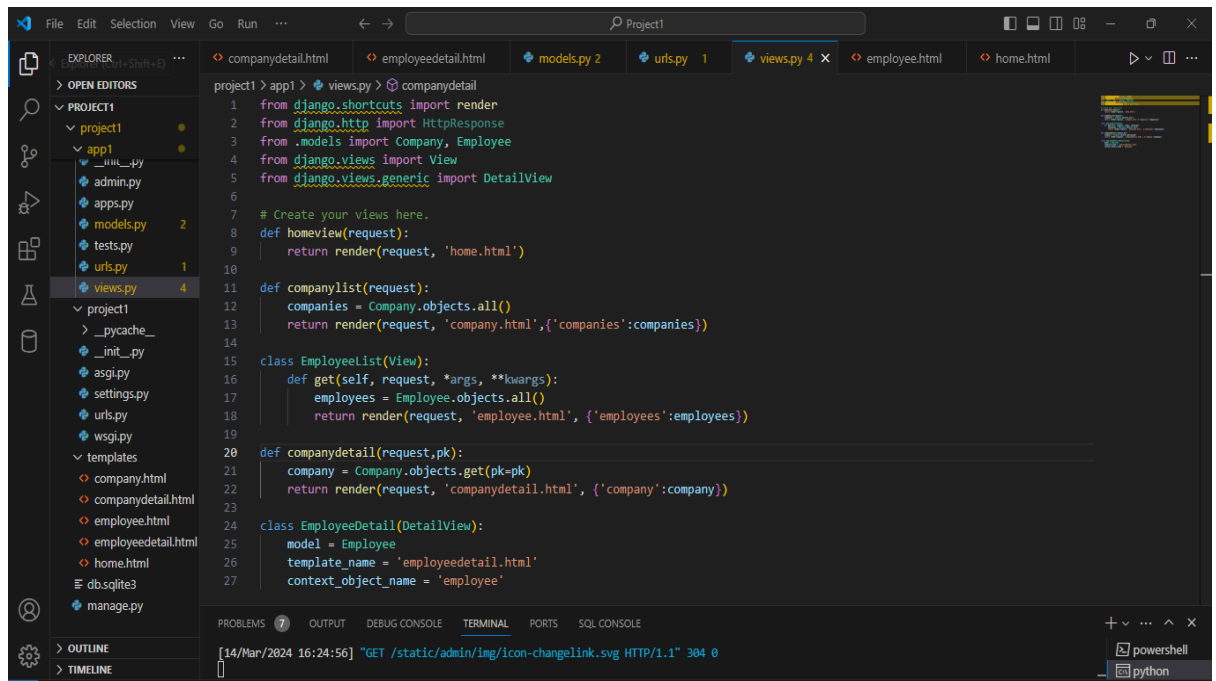


Fig: 2 Admin Panel

4. Create list view using function-based view to show list of items from the first model.
5. Create list view using class-based view to show list of items from the second model.
6. Create detail view using function-based view to show detail view of an item.
7. Create detail view using class-based view to show detail view of an item.



```
project1 > app1 > views.py > companydetail
1 from django.shortcuts import render
2 from django.http import HttpResponse
3 from .models import Company, Employee
4 from django.views import View
5 from django.views.generic import DetailView
6
7 # Create your views here.
8 def homeview(request):
9     return render(request, 'home.html')
10
11 def companylist(request):
12     companies = Company.objects.all()
13     return render(request, 'company.html', {'companies':companies})
14
15 class EmployeeList(View):
16     def get(self, request, *args, **kwargs):
17         employees = Employee.objects.all()
18         return render(request, 'employee.html', {'employees':employees})
19
20 def companydetail(request,pk):
21     company = Company.objects.get(pk=pk)
22     return render(request, 'companydetail.html', {'company':company})
23
24 class EmployeeDetail(DetailView):
25     model = Employee
26     template_name = 'employeeedetail.html'
27     context_object_name = 'employee'
```

Fig: 3 views.py

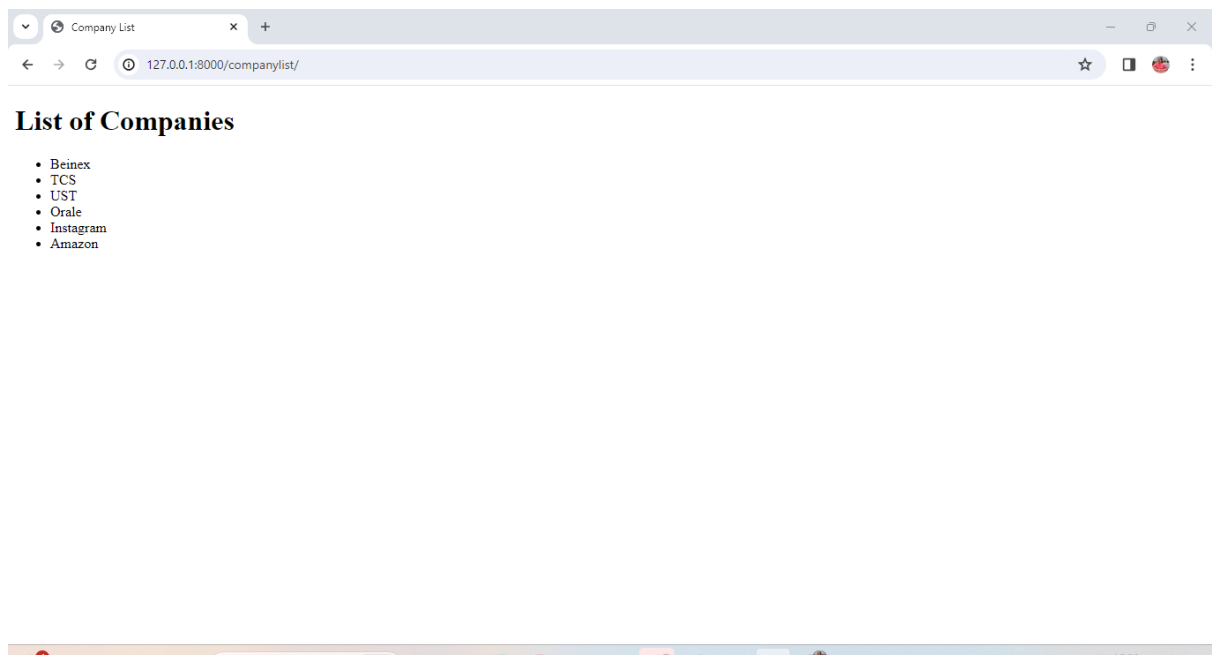


Fig: 4 Site (Function-based view to show list of items from the first model)

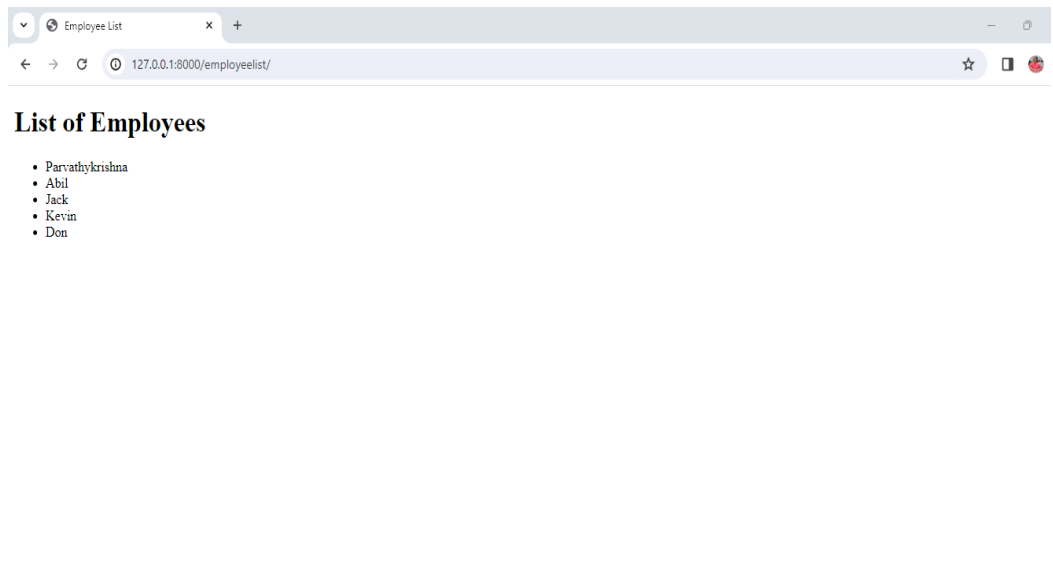


Fig: 5 Site (class-based view to show list of items from the second model)

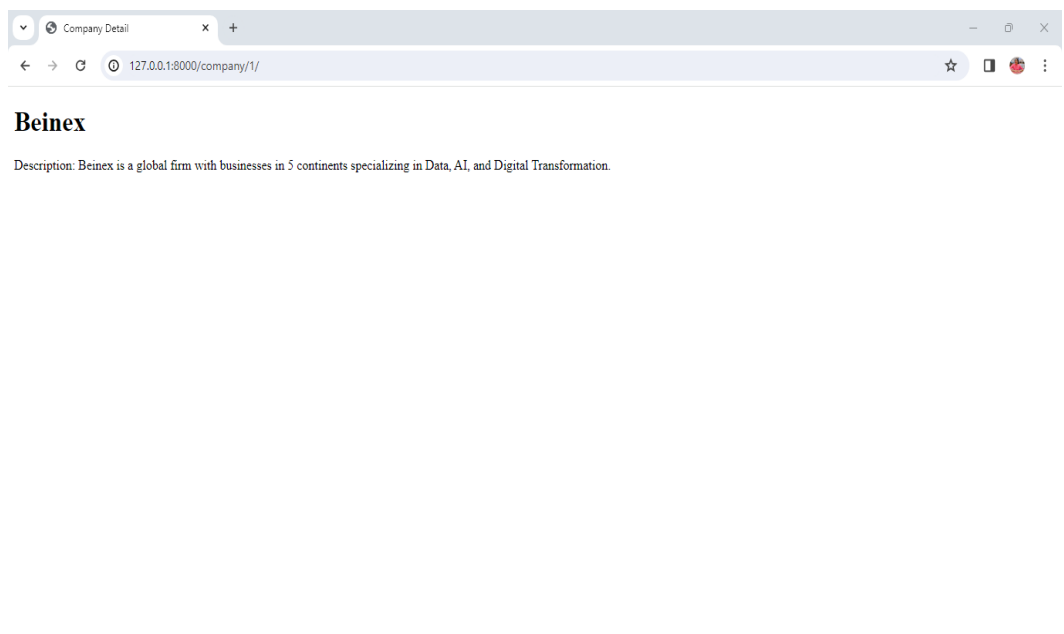


Fig: 6 Site (function-based view to show detail view of an item)



Fig: 7 Site (class-based view to show detail view of an item)