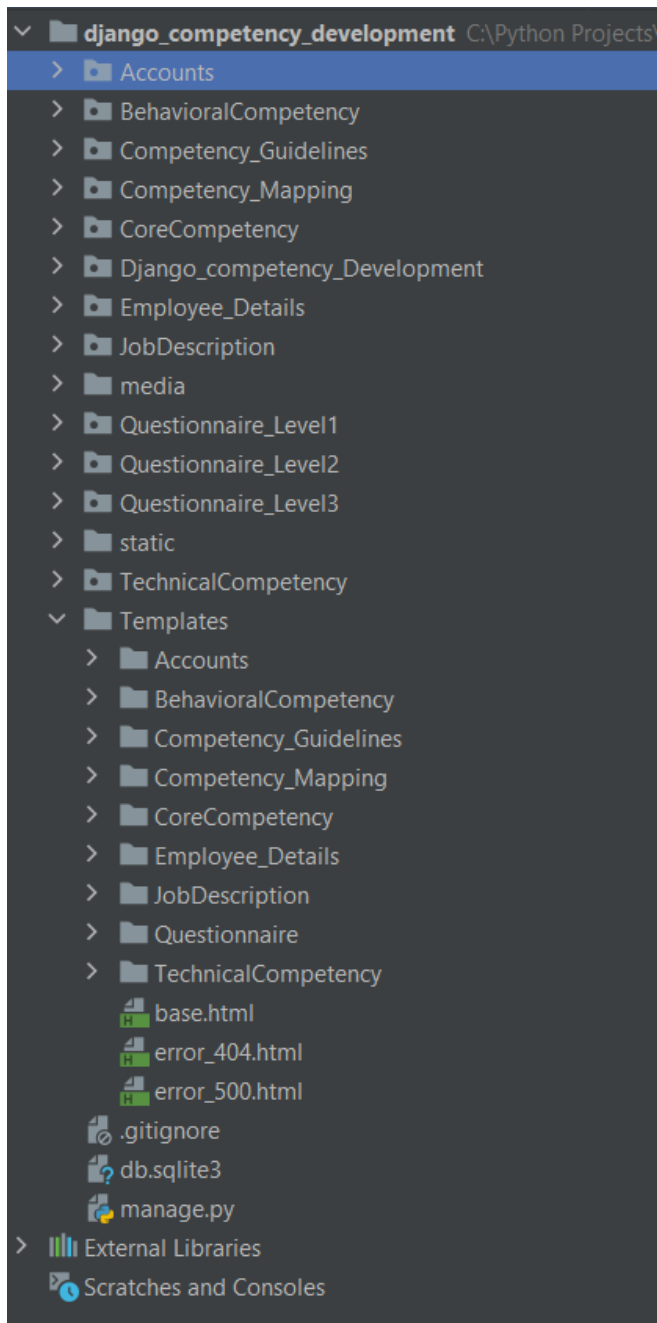
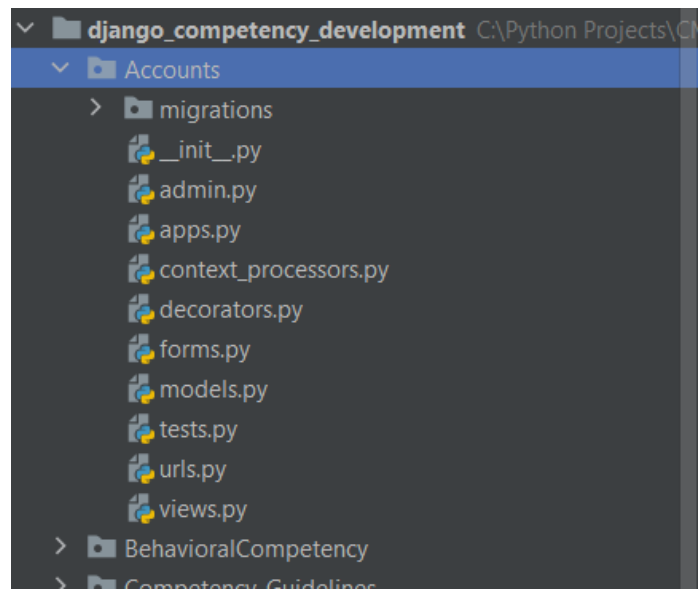


Competency Management Solution

Screenshot

Code structure – Python Django Web Application





Code Snippets:

Login Code:

```
1  from django.shortcuts import render, redirect, HttpResponseRedirect
2  from django.contrib.auth.models import User, auth
3  from django.contrib import messages
4  from .forms import Top_Management_SignUp_Form, HOD_SignUp_Form, Individual_SignUp_Form, Competency_Accessor_SignUp_Form
5  from Accounts.models import User
6  from Employee_Details.views import Employee_Data
7  from django.contrib.auth.decorators import login_required
8  from Employee_Details.models import Setup
9  # Create your views here.
10
11
12  def login(request):
13      if request.method == 'POST':
14          username = request.POST['username']
15          password1 = request.POST['password1']
16          user = auth.authenticate(username=username, password=password1)
17          if user is not None:
18              auth.login(request, user)
19              return redirect("profile")
20          else:
21              messages.error(request, 'Invalid Credentials')
22              return render(request, "Accounts/login.html")
23      else:
24          return render(request, 'Accounts/login.html')
25
26
27  def top_management_signup(request, email_str):
28      email = email_str
29      form = Top_Management_SignUp_Form(request.POST)
30      users = User.objects.values('username')
31      row_count = len(users)
32      if request.method == 'POST':
33          username = request.POST['username']
34          email = request.POST['email']
35          password1 = request.POST['password1']
36          password2 = request.POST['password2']
37          for i in range(0, row_count):
38              to_list = [users[i]['username']]
39              print(to_list)
40              if username in to_list:
41                  messages.error(request, 'User Already Exists')
42                  return redirect('top_management_signup', email)
43              else:
44                  if password1 == password2 and len(password2) >= 8 and len(password2) <= 20:
45                      if form.is_valid():
46                          form.save()
47                          return redirect('login')
48                      else:
49                          messages.error(request, 'User Not submit pls full fil the Condition')
50                          return redirect('top_management_signup', email)
51                  else:
52                      messages.error(request, 'Pls Fill Correct Password credentials')
53                      return redirect('top_management_signup', email)
54      else:
55          form1 = Top_Management_SignUp_Form()
56          return render(request, "Accounts/signup_form.html", {'form1': form1, 'email': email})
57
```

Connection with SQL server and populating in html form

```
317 def level1_managerial_edit(request):
318     form_data_dict = {}
319     comp_detail = Employee_Data.objects.values('comp_name', 'comp_branch').filter(emp_email=request.user).distinct()
320     comp = comp_detail.values('comp_name')[0]['comp_name']
321     branch = comp_detail.values('comp_branch')[0]['comp_branch']
322     level = '1'
323     type = 'Managerial'
324     # Distinct Competency Name
325     question_bank_l1_managerial_comp = QuestionBank.objects.values('competency_name').filter(type=type,
326                                                                                                     Level=level).distinct()
327     # Complete table
328     question_bank_l1_managerial = QuestionBank.objects.values('competency_name', 'KSPA', 'statement',
329                                                             'comp_description').filter(type=type,
330                                                                                                     Level=level).distinct()
331     if request.method == 'POST':
332         form_data_dict = dict(request.POST.lists())
333         delete_data = QuestionBank.objects.filter(type=type, Level=level).all()
334         delete_data.delete()
335         row_count = len(form_data_dict.get('statement'))
336         for i in range(0, row_count):
337             QuestionBank(comp_name=comp,
338                           branch_name=branch,
339                           type=type,
340                           Level=level,
341                           competency_name=form_data_dict['competency_name'][i],
342                           KSPA=form_data_dict['KSPA'][i],
343                           comp_description=form_data_dict['comp_description'][i],
344                           statement=form_data_dict['statement'][i],
345                           ).save()
346     return redirect('level1_managerial_view')
347     parm = {'comp': question_bank_l1_managerial_comp, 'value': question_bank_l1_managerial}
348     return render(request, 'Questionnaire/Question_Bank/Managerial_Level1_edit.html', parm)
```

Dashboard population

```
59 # Mapping sheet
60 @login_required(login_url='login')
61 def emp_competency_mapping(request, emp_id):
62     distinctdetails = Employee_Data.objects.values('emp_id', 'designation', 'emp_email', 'emp_name', 'division',
63                                                    'grade').filter(emp_id=emp_id).distinct()
64     # Core Competencies
65     core_data = Response_Table_Ques_Level3.objects.all().filter(emp_id=emp_id, KSPA='Not Applicable')
66     # Managerial Competencies
67     manage_data = Response_Table_Ques_Level3.objects.all().filter(emp_id=emp_id, task_title='Not Applicable').exclude(
68         KSPA='Not Applicable')
69     # Functional Competencies
70     func_data = Response_Table_Ques_Level3.objects.all().filter(emp_id=emp_id).exclude(task_title='Not Applicable',
71                                                                                          KSPA='Not Applicable')
72     arg = {'distinctdetails': distinctdetails, 'core_data': core_data, 'manage_data': manage_data,
73           'func_data': func_data}
74     return render(request, 'Competency_Mapping/Emp_Competency_Mapping.html', arg)
75
76
77
78
79
80
81
82
83
84
85 ## Functions to calculate dataset values dynamically
86 def chart_function_behav(designation, division, KSPA, score):
87     selected_data_behav = Response_Table_Ques_Level3.objects.values(score).filter(KSPA=KSPA,
88                                                                                   designation=designation,
89                                                                                   division=division,
90                                                                                   task_title='Not Applicable').aggregate(
91         Avg(score))
92     return selected_data_behav
93
94
95 def chart_function_tech(designation, division, KSPA, score):
96     selected_data_tech = Response_Table_Ques_Level3.objects.values_list(score).filter(KSPA=KSPA,
97                                                                                       designation=designation,
98                                                                                       division=division).exclude(
99         task_title='Not Applicable').aggregate(Avg(score))
100     return selected_data_tech
101
102
```

Front End

Default Page

Navigation

Competency Guidelines

Competency Descriptions

Competency Assessment

Competency Mapping

Welcome to Competency Management Solutions

PRANAVA MATETI

Executive: Project Engineering

Employee ID

1001

Division

PE

Grade

1

Reporting Officer

1001

List

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Competency Guidelines

Competency Descriptions

Job/Task Description

Functional Competencies

Core Values

Managerial Competencies

Competency Assessment

Competency Mapping

List of Defined Job Descriptions

Reference Number	Position	Division	Reports to	Edit
HBL-CD-1	Manager: RE Sales	RE	General Manager: RE Sales	
HBL-CD-2	Executive: RE Sales	RE	General Manager: RE Sales	
HBL-CD-3	Manager QA	EG	General Manager: Systems	
HBL-CD-4	Executive QA	EG	Manager QA	
HBL-CD-5	General Manager: RE Sales	RE	President Electronics Group :PEG	
HBL-CD-6	General Manager: Systems	EG	President Electronics Group :PEG	
HBL-CD-7	Manager: IV&V	RE	General Manager: Systems	
HBL-CD-8	Executive: IV&V	RE	General Manager: Systems	
HBL-CD-9	Manager: Service	RE	General Manager: RE Sales	
HBL-CD-10	Manager: F&A	RE	General Manager: F&A	
HBL-CD-11	Manager: Purchase	PE	General Manager: Purchase	
HBL-CD-12	Manager: Production & Planning	RE	General Manager: RE Operations	
HBL-CD-13	Manager: Stores	EG	General Manager: F&A	
HBL-CD-14	Manager: PE Operations	PE	General Manager: PE Operations	
	Executive: RE Service	RE	Manager: Project Execution	

ec2-13-233-2-132.ap-south-1.compute.amazonaws.com/TechnicalCompetencytechnical_comp_first

Form

Navigation

Competency Guidelines

Competency Descriptions

Job/Task Description

Functional Competencies

Core Values

Managerial Competencies

Competency Assessment

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Defined Job/Task Description

Download Excel

Print PDF

Position

Manager QA

Division

EG

No. of team members reporting to this position

1

Level/Grade

4

Reports to

General Manager: Systems

Reference Number

HBL-CD-3

Job Specifications

Basic Qualifications:

1) BE/B.Tech in any stream

2) 8-10 yrs of industry experience in the area of Quality Assurance

Strategic Objectives

Achieving profitable business growth

Task Title	Independent Activities	Inter-Dependent Activities	SOP/Guidelines/Remarks
Preparation of QMS Documents.	Preparation of level 1,2,3,4 documents, periodically updation of documents and upload all QMS documents in QMS portal	Support of all departments in preparation of QMS documents and QAPs.	Latest ISO 9001 standard

Questionnaire

Navigation

Competency Guidelines

Competency Descriptions

Competency Assessment

View Questionnaire Assessment

Competency Mapping

Self-Assessment Questionnaire

Self-Assessment: Please complete the following questionnaire

Instructions -Please tick any one out of 1-5
where: 1 = Limited; 2 = Basic; 3=Proficient; 4=Advanced; 5=Expert

Name	Pranava Mateti	Email	pranava@maclead.com	Division	PE
Employee Id	1001	Position	Executive: Project Engineering	Grade	1

Rate yourself on scale of 1 to 5 corresponding to the below statements (1 = Low and 5 = High)

Statements	1	2	3	4	5
Study of specification	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
System description, Technical specification, BOM, Electrical Schematic, GAD	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Submit Response

Dashboard

