Skill / Job Recommender Application

BY

Team ID : PNT2022TMID05552
Team Size : 4
Team Leader : THOWBIK RAHMAN S
Team Member : THANANJAYAN K
Team Member : VISHNU BALAJI T
Team Member : SARAN KUMAR S

1.INTRODUCTION

1.1 Project overview

This Project view provides an overviewof the skill and job recommended for individuals interestedin a career in any fields. It discusses the important role that any field plays in businesses andthevariousskills that are necessary for success in this field. It also outlines the different job opportunities availablein any field and the different types of companiesthatemploy any field professionals.

1.2 Purpose

Having lots of skills but wondering whichjobwillbest suit you ? Don't need to worry! we comeuppance with a skill recommender solution throughwhichthe fresher or the skilled person can loginandfindthe jobs by using search option or they candirectlyinteract with the chatbot and get their dreamjob.

To develop an end to end web applicationcapableodisplaying the current job openings basedontheskillset of the users.The users and their information are stored in the Database. An alert is sent when there is an opening based on the user skillset. User will interact with the chatbot and can get therecommendations based on his skills.We canusejobsearch API to get the current job

openings inthemarket which will fetch the data directlyfromthewebpage.

2. LITERATURE SURVEY

2.1 Existing problem

1. Students/Job seekers find their desiredjobbasedontheir skillset.

2. Integrating Intelligent CHATBOT for jobrecommendation application.

3. A study of LinkedIn as an Employment Tool forJobseeker & Recruiter.

4. Cloud storage and sharing services.

2.2 References

References Link:

1.https://www.researchgate.net/publication/272802616_A_survey_of_job_recommender_systems

2.https://www.researchgate.net/publication/360820692_Intelligent_Chatbot

3. Journal Page:http://www.ijrpr.com/ ISSN 2582-7421

4. https://www.ijresm.com/

2.3 Problem Statement Definition

Dealing with the enormous amount of recruitinginformation on the internet, a job seeker always spendshours to find useful ones. Many times, people wholackindustry knowledge are unclear about what exactlytheyneed to learn in order to get a suitable job for them. Weaddress the problem of recommending suitablejobstopeople who are seeking a new job. Job recommender technology aims to help jobseekersinfinding jobs that match their skills. The internet caused a substantial impact on therecruitment process through the creation of e-recruitingplatforms that become a primary recruitment channel inmost companies. While companies establishedjobpositions on these portals, job-seeker uses themtopublishtheir profiles. E-Recruitment platforms accomplishedclear advantages for both recruiters and job-seekersbyreducing the recruitment time and advertisement cost .Recommender system technology aims to helpusersinfinding items that match their preferences; it has asuccessful usage in a wide-range of applications todealwith problems related to information overloadefficiently.In order to improve the e-recruiting functionality, many recommender system approaches have beenproposed. This paper will analyze e-recruiting process andrelatedissues for building personalized recommender systemofcandidates

3. IDEATION & PROPOSED SOLUTION

3.1 Empathy Map Canvas
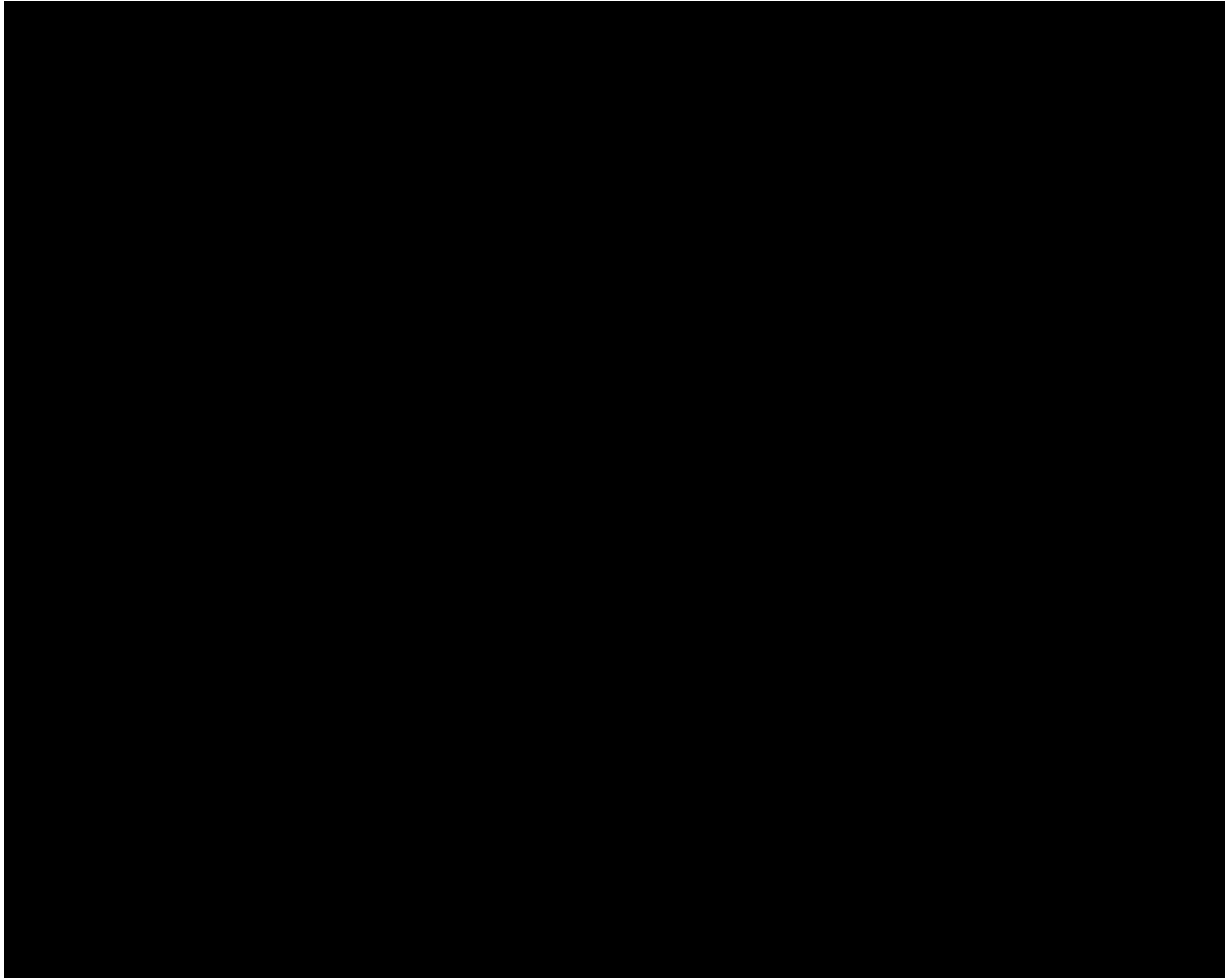
3.2 Ideation and Brainstroming
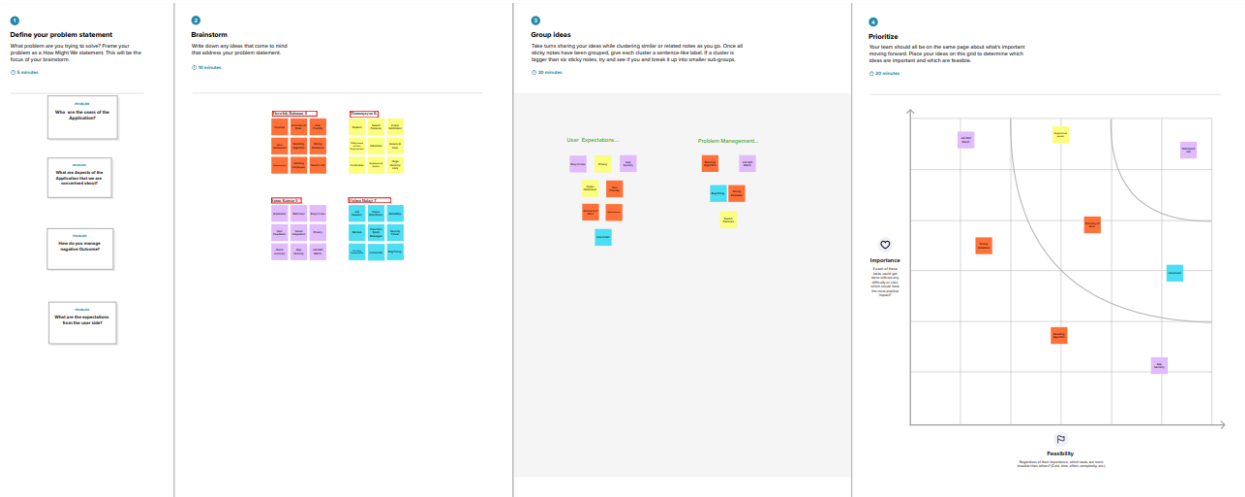
3.3 Proposed Solution

Project Design Phase-I
Proposed Solution Template

Date	10 OCTOBER 2022
Team ID	PNT2022TMID05552
Project Name	Project – Skill and Job Recommender (Cloud Application)
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	➢ In order to Enhance the Opportunities and challenges to provide job. ➢ To Protect great volume of digital data ➢ To Satisfy the on the basis of the need and requirement of satisfaction.
2.	Idea / Solution description	➢ To Reduce the Risk Assessment & Threat Analysis in the platform. ➢ Creating Prototype Solution so that user can access Easily.
3.	Novelty / Uniqueness	➢ On-demand self service which help the user to gain knowledge regarding on specified job ➢ Mobile end point security that

		allows Organization to protect all the devices on their network and prevent unauthorized access.
4.	Social Impact / Customer Satisfaction	➢ Frequently updating about requirements and Full filling the needs. ➢ User will get a Responsive speed Regarding the job they have searched. ➢ User friendly Layout and approach design.
5.	Business Model (Revenue Model)	➢ Commercializing about platforms in Social media, entertainment application so that user will have knowledge about our platforms how effective it is. ➢ Generating Revenue through the advertisement that display on the platform.
6.	Scalability of the Solution	➢ Hyper scaling capabilities that includes the ability to provide and add more resources to the platforms. ➢ To improve job opportunities to fresher and unemployed person and also carrier

		development to the industrialization and organization.

3.4 Problem Solution Fit

Problem-Solution fit canvas 2.0

Skill/Job recommender

1. CUSTOMER SEGMENT(S) — CS

Who is your customer?
i.e. working parents of 0-5 y.o. kids

The main customers for our project are :

- Persons who are seeking employment
- Persons that recruit job candidates

Define CS, fit into CC

6. CUSTOMER CONSTRAINTS — CC

What constraints prevent your customers from taking action or limit their choices of solutions? i.e. spending power, budget, no cash, network connection, available devices.

- Concern about misuse of personal information
- Worry about unreliable connections
- Inadequate product knowledge
- Potential Scam
- Time-consuming

5. AVAILABLE SOLUTIONS — AS

Which solutions are available to the customers when they face the problem or need to get the job done? What have they tried in the past? What pros & cons do these solutions have? i.e. pen and paper is an alternative to digital notetaking

Pros	Cons
Promotion of people's skillset	Delivering false information
Marketing of company infrastructure	Occurrence of fraudulent activity
Cultivate commercial relationship	Intense competition

Explore AS, differentiate

2. JOBS-TO-BE-DONE / PROBLEMS — J&P

Which jobs-to-be-done (or problems) do you address for your customers? There could be more than one; explore different sides.

- Create a platform to facilitate job searching
- A platform to make it simpler to identify people with the necessary skills
- Make the job-filtering process simpler
- Profile with safe personal data

Focus on J&P, tap into

9. PROBLEM ROOT CAUSE — RC

What is the real reason that this problem exists? What is the back story behind the need to do this job? i.e. customers have to do it because of the change in regulations.

- Jobs that are listed on unreliable platforms maybe fraudulent
- Companies fail to disclose their true infrastructure
- Some job portals want payment in advance of the job starting.
- Users post false credentials
- Users pretend to have expertise in a skillset they lack

7. BEHAVIOUR — BE

What does your customer do to address the problem and get the job done? i.e. directly related: find the right solar panel installer, calculate usage and benefits; indirectly associated: customers spend free time on volunteering work (i.e. Greenpeace)

- When Users apply for fraudulent jobs, they get unhappy due to wasted time
- Users were not satisfied when platforms allowed hirers to post jobs that were not real
  - ○ Cheating during online recruitment process
  - ○ When candidates with inadequate qualifications
  - ○ or a position, employers become irritated.

Focus on J&P, tap int C

3. TRIGGERS — TR

What triggers customers to act? i.e. seeing their neighbour installing solar panels, reading about a more efficient solution in the news.

4. EMOTIONS: BEFORE / AFTER — EM

How do customers feel when they face a problem or a job and afterwards?

Emotions-Before	Emotions-After
Lack of knowledge about job vacancy.	User receive updates on job vacancies.
No proper platform to showcase skillset	Exhibit skillset in profile
More paperwork during recruitment	Easy recruitment process

Identify strong TR & EM

10. YOUR SOLUTION — SL

If you are working on an existing business, write down your current solution first, fill in the canvas, and check how much it fits reality.

- To develop an end-to-end web application which in default have a lot of current job openings through job search API out of which appropriate job will be recommended based on user skill set. At the same time students can develop their skills side by side with various courses and webinars offered by reputed organization. In addition to this a smart chat bot will be available for 24*7 which can help users in finding the right job.

8. CHANNELS of BEHAVIOUR — CH

ONLINE
What kind of actions do customers take online? Extract online channels from #7

- Apply for jobs
- Review job applications
- Attend initial level assessment

OFFLINE
What kind of actions do customers take offline? Extract offline channels from #7 and use them for customer development.

- Final level interview
- Checkout location and infrastructure of company

Extract online & offline CH of BE

4. REQUIREMENT ANALYSIS

4.1 Function Requirement

Software Required:

Python, Flask, Docker

4.2 Non-Function Requirement

System Required:

8GB RAM, Intel Core i3, OS- Windows/Linux/MAC,Laptop or Desktop

5. PROJECT DESIGN

5.1 Data Flow Diagrams

Project Design Phase-II
Data Flow Diagram & User Stories

Date	26 OCTOBER 2022
Team ID	PNT2022TMID05552
Project Name	Skill/Job Recommender Application
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail		Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password		High	Sprint-1
	Dashboard	USN-5	As a user, I can access my dashboard after signing in.	I can access my account / dashboard	High	Sprint-1
Customer (Web user)	Access	USN-6	As a user, I can setup a profile, and basic details by signing in.			
		USN-7	As a user, I will upload my resume, certificates, and other requirements.	I can perform several task in the application	Medium	Sprint-1
Customer Care Executive	Chatbot	USN-8	As a user, I can seek guidance from the customer care executive.		High	Sprint-1
Administrator	DBMS	USN-9	As a administrator, I can keep the applications of your organization relies on running.	I can perform various modifications in the applications.	High	Sprint-1

5.2 Solution & Technical Architecture

SOLUTION ARCHITECTURE

SOLUTION ARCHITECTURE

TITLE : SKILL/JOB RECOMMENDER

TECHNOLOGY : CLOUD APPLICATION DEVELOPMENT

TEAM ID:PNT2022TMID05552

Job Seeker	App Developer	Recruiter	Cloud Pack for Data

Application

1.Fetch and display job openings

2.Create user profile

3.Post job openings

4.Apply for jobs

5.Filter out apt profile

6.Notify results

Job Search API
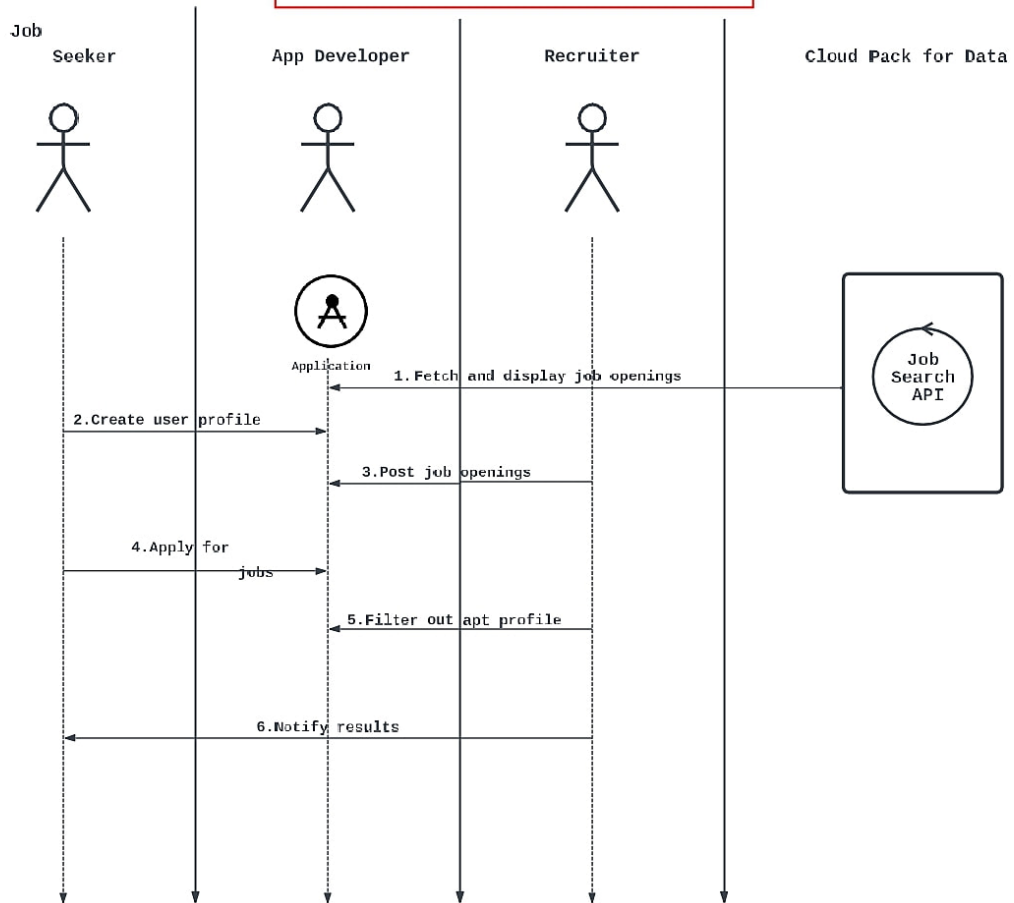
TECHNICAL ARCHITECTURE
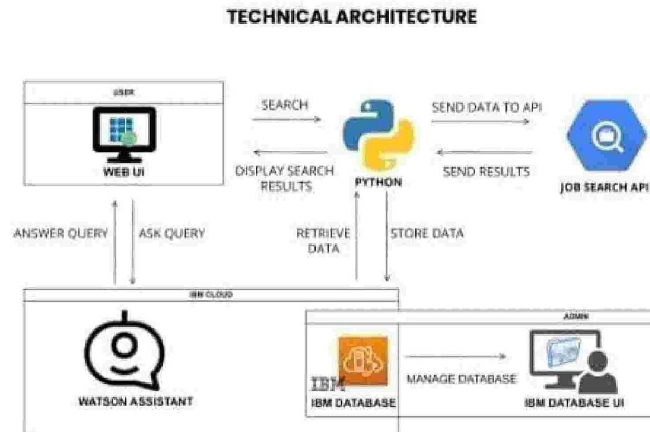
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		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail		Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password		High	Sprint-1
	Dashboard	USN-5	As a user, I can access my dashboard after signing in.	I can access my account / dashboard	High	Sprint-1
Customer (Web user)	Access	USN-6	As a user, I can setup a profile, and basic details by signing in.			
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Customer Care Executive	Chatbot	USN-8	As a user, I can seek guidance from the customer care executive.		High	Sprint-1
Administrator	DBMS	USN-9	As a administrator, I can keep the applications of your organization relies on running.	I can perform various modifications in the applications.	High	Sprint-1

6. PROJECT PLANNING & SCHEDULING

6.1 Sprint Planning & Estimation

Project Planning Phase
Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	7 Nov 2022
Team ID	PNT2022TMID05552
Project Name	Skill / Job recommender
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	
	Dashboard					

6.2 Sprint Delivery Schedule

VELOCITY:

Imagine we have a 10-day sprint duration, and the velocityofthe team is 20 (points per sprint). Let's calculate the team'saveragevelocity (AV) per

iteration unit (story points per day)

6.3 Report from JIRA

$$AV = \frac{\textit{sprint duration}}{\textit{velocity}} = \frac{20}{10} = 2$$

7. CODING & SOLUTIONING

7.1 Feature 1

JOB SEEKER

```html
<!DOCTYPE html>

<html lang="en">
<head>
  <title>Bootstrap Example</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>

    <style>
      .rus{


        border-radius: 0%
    };


    .black{ color:black;
    }
</style>
```

```html
</head>
<body>


<!--=======================================================-->
<nav class="navbar navbar-inverse rus">
                <div class="container-fluid">
                 <div class="navbar-header">
       <a class="navbar-brand" href="#">Skill and Job Recommender</a>
      </div>


    <ul class="nav navbar-nav navbar-right">
      <li><a href="#"><span class="glyphicon glyphicon-log-in"></span> Logout</a></li>
    </ul>
          </div>
        </nav>
     <!--=======================================================-->


  <div class="container">
    <ul class="nav nav-tabs">
       <li class="active"><a data-toggle="tab" href="#home">Profile</a></li>
       <li><a data-toggle="tab" href="#menu1">Eligibility Test</a></li>
       <li><a data-toggle="tab" href="#menu2">Find Job</a></li>


    </ul>


    <div class="tab-content">
      <div id="home" class="tab-pane fade in active">
        <h3>PROFILE</h3>
        <hr>


        <form>
           <div class="alert alert-danger">
           <div class="form-group">
               <label for="name"><span clss="black">Name: </span></label>
               <input type="text" class="form-control" id="name" value="Mahadevan">
             </div>
             <div class="form-group">
               <label for="email"><span class="black">Email Address </span></label>
               <input type="text" class="form-control" id="email"
     value="Mahadevan@gmaiil.com">
```
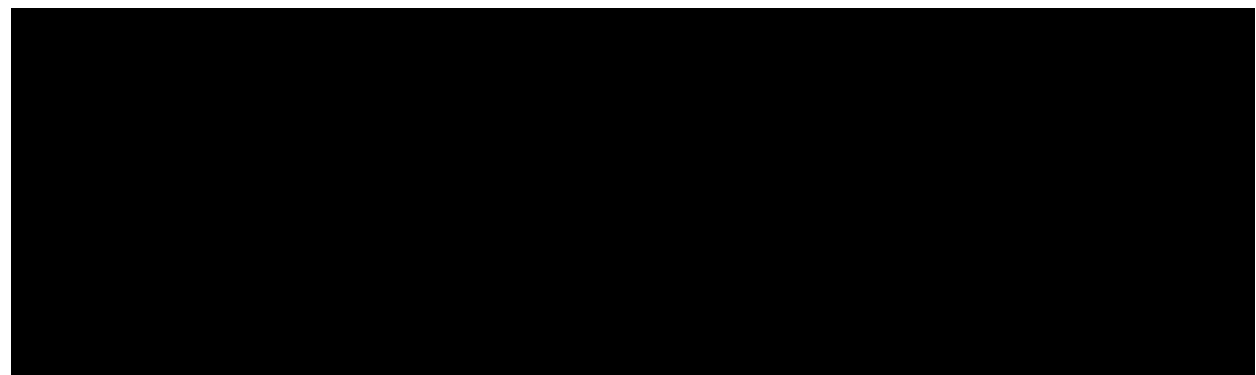
```html
            </div>

            <div class="form-group">
              <label for="email"><span class="black">Mobile No </span></label>
              <input type="text" class="form-control" id="email" value="9003824096">
            </div>

            <div class="form-group">
              <label for="quali"><span class="black">What is your Nationality
        </span></label>
              <input type="text" class="form-control" id="quali" value="India">
            </div>




            <div class="form-group">
              <label for="quali">What is your Qualification</label>
              <input type="text" class="form-control" id="quali" value="BE">
            </div>




            <div class="form-group">
              <label for="quali">What year did you complete your bachelorDegree?</label>
              <input type="text" class="form-control" id="quali" value="2023">
             </div>
```

```html
        ?</label>
<div class="form-group">
    <label for="experience">How many years of work experience do you have

    <input type="text" class="form-control" id="experience" value="0">
</div>
```

```html
                <div class="form-group">
                    <label for="place">Where have you graduated high school degree ?</label>
                    <input type="text" class="form-control" id="place" value="Government highschool
Ariyalur">
                </div>

                <div class="form-group">
                    <label for="SSLC">What is your SSLC Percentage :</label>
                    <input type="text" class="form-control" id="SSLC" value="90">
                </div>

                <div class="form-group">
                    <label for="HSC">What is your HSC Percentage :</label>
                    <input type="text" class="form-control" id="HSC" value="90">
                </div>

                <div class="form-group">
                    <label for="degree">What is your Percentage in bachelor Degree:</label>
                    <input type="text" class="form-control" id="degree" value="90.5">
                </div>

                <textarea class="form-control" id="aboutyou" rows="3" placeholder="Writefew
words about yourself"></textarea> <br> <br>

                <button type="submit" class="btn btn-primary btn-success">Savechanges</button>
<br> <br>
            </div>
        </form>
    </div>

    <div id="menu1" class="tab-pane fade">
        <h3>Eligibility Test </h3> <hr>
```

```html
<div class="alert alert-info">
    <label>What function is used to display output on the screen?</label>
    <div class="radio">
    <label><input type="radio" name="print">printf()</label>
    </div>
    <div class="radio">
    <label><input type="radio" name="scanf">scanf()</label>
    </div>
    <div class="radio">
    <label><input type="radio" name="switch">switch</label>
    </div>
</div> <hr>

<div class="alert alert-info">
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    </div>
</div> <hr>
```

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<div class="alert alert-info">
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   <div class="radio">
   <label><input type="radio" name="scanf">scanf()</label>
   </div>
   <div class="radio">
   <label><input type="radio" name="switch">switch</label>
   </div>
</div> <hr>

<div class="alert alert-info">
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   </div>
   <div class="radio">
   <label><input type="radio" name="scanf">scanf()</label>
   </div>
   <div class="radio">
   <label><input type="radio" name="switch">switch</label>
   </div>
</div><hr>

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   </div>
   <div class="radio">
   <label><input type="radio" name="scanf">scanf()</label>
   </div>
   <div class="radio">
   <label><input type="radio" name="switch">switch</label>
   </div>
</div>
```

```html
                        <button type="submit" class="btn btn-primary btn-success">Submit thetest</button> <br>
            <br>
              </div>


                <div id="menu2" class="tab-pane fade">
                  <h3>Find the job</h3> <hr>
                  <br>















          job">
<div class="container">
<!>
<form>
    <div class="input-group">
    <input type="text" class="form-control" id="myInput" placeholder="Look for a


    <div class="input-group-btn">
        <button class="btn btn-default" type="submit">
        <i class="glyphicon glyphicon-search"></i>
        </button>
    </div>
    </div>
</form> <br> <br>


<!>



<div style="width: 600px;">
    <!-- Left-aligned -->
```

```html
<div class="media">
   <div class="media-left">
   <img src="images/img_avatar1.png" class="media-object" style="width:60px">
   </div>
   <div class="media-body">
   <h4 class="media-heading">Java Developer</h4>
   <h5 class="media-heading"> Company Name : JK Software Solution</h4>
   <p>Job Location : Chennai</p>
   <p> Salary : 45000</p>
   <button type="submit" class="btn btn-primary   btn-success">Apply </button>

      <br> <hr>
                </div>
             </div>
           </div>


         <br>


         <div style="width: 600px;">
            <!-- Left-aligned -->
            <div class="media">
               <div class="media-left">
               <img src="images/img_avatar1.png" class="media-object" style="width:60px">
               </div>
               <div class="media-body">
               <h4 class="media-heading">.NET Developer</h4>
               <h5 class="media-heading"> Company Name : JK Software Solution</h4>
```
```html
      <br> <hr>
<p>Job Location : Chennai</p>
<p> Salary : 45000</p>
<button type="submit" class="btn btn-primary   btn-success">Apply </button>
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```html
        </div>

                </div>
            </div>


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                    <img src="images/img_avatar1.png" class="media-object" style="width:60px">
                    </div>
                    <div class="media-body">
                    <h4 class="media-heading">PHP Developer</h4>
                    <h5 class="media-heading"> Company Name : JK Software Solution</h4>
                    <p>Job Location : Chennai</p>
                    <p> Salary : 45000</p>
                    <button type="submit" class="btn btn-primary   btn-success">Apply </button>
    <br> <hr>
                    </div>
                </div>
            </div>


            <div style="width: 600px;">
                <!-- Left-aligned -->
                <div class="media">
                    <div class="media-left">
                    <img src="images/img_avatar1.png" class="media-object" style="width:60px">
                    </div>
                    <div class="media-body">
                    <h4 class="media-heading">UX /UI Designer</h4>
                    <h5 class="media-heading"> Company Name : JK Software Solution</h4>
                    <p>Job Location : Chennai</p>
                    <p> Salary : 45000</p>
                    <button type="submit" class="btn btn-primary   btn-success">Apply </button>
    <br> <hr>
                    </div>
                </div>
            </div>
```

```
                </div>
        </div>
</div>
script>
    $(document).ready(function(){
        $("#myInput").on("keyup", function()
        { var value =
        $(this).val().toLowerCase();
        $("#myDIV *").filter(function() {
            $(this).toggle($(this).text().toLowerCase().indexOf(value) > -1)
        });
        });
    });
    </script>

</body>
```

BACK END OF FEATURE 1

```python
from flask import *#importing flask (Install it using python -m pip install flask)import os
import ibm_db
import bcrypt
#import send_from_directory

app = Flask( name ) #initialising flaskapp.secret_key =
''

PEOPLE_FOLDER = os.path.join('static', 'people_photo')


import ibm_db

conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=54a2f15b-5c0f-46df-8954-
7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32733;SECURITY=SSL;S
SLServerCertificate=DigiCertGlobalRootCA.crt;PROTOCOL=TCPIP;UID=phb43134;PWD=mTTnIE45Raj9A0rr","","")



@app.route("/") #defining the routes for the home() funtion (Multiple routes can beused as seen here)
@app.route("/home")


def dashboard():
```

```python
        return render_template("dashboard.html") #rendering our home.html containedwithin /templates




def createjobseeker_profile():if
   request.method == 'POST':
      name  =  request.form['name'] email =
      request.form['email']
      mobileno=request.form['mobileno']
      nationality=request.form['nationality'] qualification=request.form['qualification']
      passout=request.form['passout'] experience=request.form['experience'];
      degree=request.form['degree']; per_sslc=request.form['per_sslc'];
      per_hsc=request.form['per_hsc']; per_degree=request.form['per_degree'];

      tum = request.files['resume']




            um.save(os.path.join(app.config['UPLOAD_DIR'],tum.filename))


            hash=bcrypt.hashpw(password.encode('utf-8'),bcrypt.gensalt())query =

            "SELECT EMAIL FROM JOBSEEKER WHERE EMAIL=?"

            stmt = ibm_db.prepare(conn,
            query)
            ibm_db.bind_param(stmt,1,em
            ail) ibm_db.execute(stmt)
            isUser = ibm_db.
```

```python
        ibm_db.bind_param(prep_stmt, 8, degree)
        ibm_db.bind_param(prep_stmt, 9, per_sslc)
        ibm_db.bind_param(prep_stmt, 10, per_hsc)
        ibm_db.bind_param(prep_stmt, 11,
        per_degree)ibm_db.execute(prep_stmt)
        return render_template('dashboard.html')



    return render_template('dashboard.html',name='Home')




    @app.route('
    /logout')def
    logout():
session.pop('email',None) return redirect(url_for('login'))
```

7.2 Feature 2

```html
<!DOCTYPE html>

<html lang="en">

<head>

  <title>Bootstrap Example</title>

  <meta charset="utf-8">

  <meta name="viewport" content="width=device-width,
initial-scale=1">

  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/cs
s/bootstrap.min.css">
```

```html
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/
jquery.min.js"></script>

    <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/
bootstrap.min.js"></script>

    <style>

      .rus{

          border-radius: 0%

      };

      .black{

        color:

        black;

      }

</style>

</head>

<body>

<nav class="navbar navbar-inverse rus">

    <div class="container-fluid">

      <div class="navbar-header">




        <a class="navbar-brand" href="#">Skill and Job
Recommender</a>

      </div>

      <ul class="nav navbar-nav navbar-right">
```

```html
        <li><a href="#"><span class="glyphicon
glyphicon-log-in"></span> Log out</a></li>

      </ul>

    </div>

  </nav>

<div class="container">

  <ul class="nav nav-tabs">

    <li class="active"><a data-toggle="tab"
href="#home">CompanyProfile</a></li>

    <li><a data-toggle="tab" href="#menu2">Find
candidate</a></li>

  </ul>

  <div class="tab-content">

    <div id="home" class="tab-pane fade in active">

      <h3>COMPANY PROFILE</h3>

      <hr>

      <form>

        <div class="alert alert-danger">

        <div class="form-group">

            <label for="name"><span clss="black">Company
            Name:
</span></label>

            <input type="text" class="form-control"
id="name"value="Mahadevan">

          </div>

          <div class="form-group">
```

```html
            <label for="email"><span
class="black">Company EmailAddress </span></label>

            <input type="text" class="form-control"
id="email"value="Mahadevan@gmaiil.com">

        </div>

        <div class="form-group">

            <label for="email"><span class="black">Mobile No
</span></label>

            <input type="text" class="form-control"
id="email"value="9003824096">

        </div>

        <div class="form-group">

            <label for="quali"><span
class="black">Location</span></label>

            <input type="text" class="form-control"
id="quali"value="India">

        </div>

        <textarea class="form-control" id="aboutyou"
rows="3"placeholder="Write few words about
company"></textarea> <br>
<br>


        <button type="submit" class="btn btn-primary
btn-success">Save changes</button> <br> <br>

        </div>

    </form>
```

```html
    </div>


    <div id="menu2" class="tab-pane fade">
       <h3>Find the Condidate</h3> <hr>
  <br>




          <div class="container">

          <!_>

          <form>

          <div class="input-group">

              <input type="text" class="form-control"
                        id="myInput"
    placeholder="Look for a candidate">

    <div class="input-group-btn">

                              <button class="btn btn-default"

    type="submit">search"></i>


              <i class="glyphicon glyphicon-

            </button>

          </div>
```

```html
    </div>

</form> <br> <br>


    <!>

    <div style="width: 600px;">

                    <!-- Left-aligned -->

                    <div class="media">

                        <div class="media-left">

                            <img
src="images/img_avatar1.png"class="media-object"
style="width:60px">

                        </div>

                        <div class="media-body">

                            <h4 class="media-heading">Name
                            :
Mahadevan</h4>

        <h5 class="media-heading"> Qualification : B.E
(Computer Science Engineering )</h4>




        <button type="submit" class="btn btn-primary
btn-success">Know More </button> <br> <hr>

                    </div>

                </div>

            </div>

        <br>
```

```html
<div style="width: 600px;">

  <!-- Left-aligned -->

  <div class="media">

    <div class="media-left">

      <img src="images/img_avatar1.png"class="media-object" style="width:60px">

    </div>

    <div class="media-body">

      <h4 class="media-heading">Name : Manikandan</h4>

      <h5 class="media-heading"> Qualification : B.E (Computer Science Engineering )</h4>

      <button type="submit" class="btn btn-primary btn-success">Know More </button> <br> <hr>

    </div>

  </div>

</div>  <br>

<div style="width: 600px;">

  <!-- Left-aligned -->

  <div class="media">

    <div class="media-left">

      <img src="images/img_avatar1.png"class="media-object" style="width:60px">

    </div>
```

```
      Kavi</h4>
                  <div class="media-body">

                  <h4 class="media-heading">Name :


<h5 class="media-heading"> Qualification : B.E

   (Computer Science Engineering )</h4>

            <button type="submit" class="btn btn-primary
   btn-success">Know More </button> <br> <hr>

                  </div>

                     </div>

                  </div>   <br>



  <div style="width: 600px;">

                        <!-- Left-aligned -->

                        <div class="media">

                    <div class="media-left">

                       <img
   src="images/img_avatar1.png"class="media-object"
   style="width:60px">

                     </div>

                     <div class="media-body">
```

```html
                                    <h4 class="media-heading">Name
                                    :
Ram</h4>

        <h5 class="media-heading"> Qualification : B.E
(Computer Science Engineering )</h4>

            <button type="submit" class="btn btn-primary
btn-success">Know More </button> <br> <hr>

                        </div>

                    </div>

                </div>   <br>

        </div>

    </div>




</div>

<script>

    $(document).ready(function(){

        $("#myInput").on("keyup", function()

        { var value =

        $(this).val().toLowerCase();

        $("#myDIV *").filter(function() {

        $(this).toggle($(this).text().toLowerCase().indexOf(v
                            alue)
>
_
1
)
```

```
});

});

}
)
;
```

`</script>`

```
</b
 od
 y>

<ht
ml>
```

CHATBOT :

Chatbot has been implemented to provide assistance

```
    window.watsonAssistantChatOptions = {


  integrationID: "d73273d3-3f44-4304- 84ee-8fd243016d1d",
  // The ID of thisintegration.
      region: "jp-tok", // The region your integration is
  hosted in. serviceInstanceID: "81229104-ee6b-46da-ac1c-
  67ede110663a", // The ID of your service instance.
  onLoad: function(instance)
  {instance.render(); }
    };
```

```
                              setTimeout(funct
                              ion(){const
                              t=document.createElement('
```

```
        script');
        t.src="https://web-
    chat.global.assistant.watson.a
    ppdomain.cloud/versions/" +
    (window.watsonAssistantChatOpt
    ions.clientVersion ||
    'latest') +
    "/WatsonAssistantChatEntry.js
    ";
        document.head.appendChild(t);
    });
```

7.3 Database Schema(if Applicable) :

```python
import os
from sendgrid import SendGridAPIClientfrom
sendgrid.helpers.mail import Mail

# from_address we pass to our Mail object, edit with your nameFROM_EMAIL =
'Your_Name@SendGridTest.com'


def SendEmail(to_email):
    """ Send an email to the provided email addresses
    :param to_email = email to be sent to
    :returns API response code
    :raises Exception e: raises an exception """message = Mail(
        from_email=FROM_EMAIL,
        to_emails=to_email,
        subject='A Test from SendGrid!',
        html_content='<strong>Hello there from SendGrid your URL is: ' + '<a
        href="https://github.com/cyberjive">right here!</a></strong>')
    try:
        sg = SendGridAPIClient(os.environ.get('SENDGRID_API_KEY'))response =
        sg.send(message)
        code, body, headers = response.status_code, response.body, response.headersprint(f"Response Code: {code}
        ")
        print(f"Response Body: {body} ") print(f"Response
        Headers: {headers} ")print("Message Sent!")
    except Exception as e: print("Error:
        {0}".format(e))
return str(response.status_code)\
```

```
f _name_ == "_main_":
SendEmail(to_email=input("Email address to send to? "))
```

8. TESTING

8.1 Test Cases
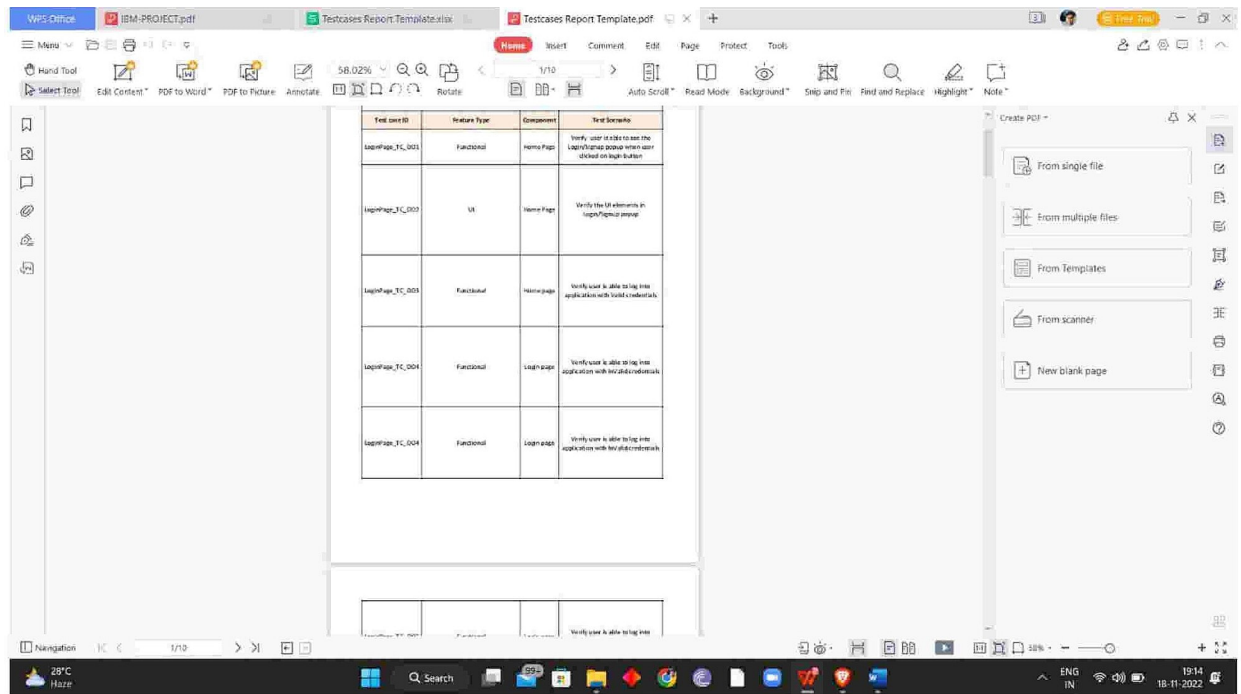
8.2 User Acceptance Testing
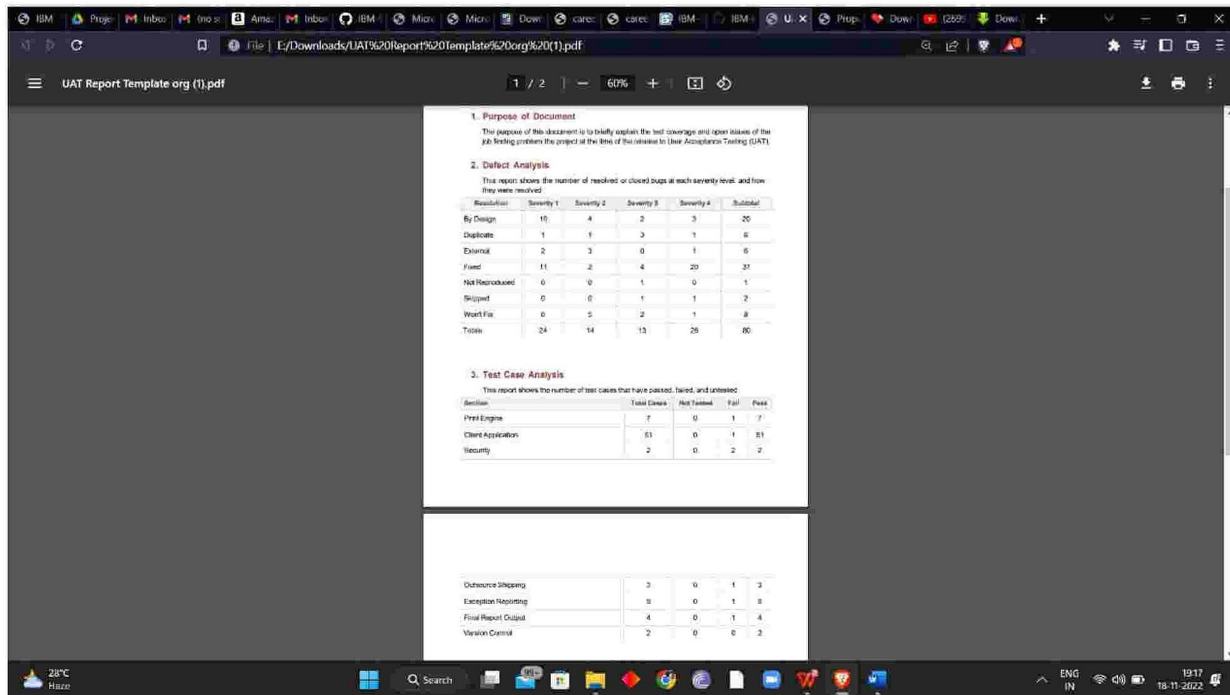
9. RESULTS

The project has been completed as we expected. We ensured that Database was designed and well connectedto our project. The Expected results were gotten

10. ADVANTAGES & DISADVANTAGES

ADVANTAGES:

Person who looks for a job can easily find a suitablejobbased on their skill set.

 Person can check their eligibility by attendingeligibilitytest. Most of the Recruiters find the suitable personbasedonthe scores

they have gotten in the eligibility.

DISADVANTAGES

Person Job May get technical difficulty whiletakingtheeligibility Job seeker may have trouble to contact recruitersdirectly.

11. CONCLUSION

The application has been developed to make jobsearcheasier . The application that we have developed is user friendly. User can find a job based on their skillset in the short periodof time. The jobseeker certainly get benefit by usingthisapplication. In the addition,Chatbot Has been implementedwiththehelpof IBM whatson . The chatbot helps jobseeker andorganization when they experience the difficulties. 12. FUTURE SCOPE The linked in the wellknown applicationtofindajoband stay connected with professional andorganization.The job seekers and organization use linkedintofinda job. In the future , There are lots of possibilities toenhance our project similar to linked in.

13. APPENDIX

SOURCE CODE

Sprint 1:

Index.html

```
    <!DOCTYPEhtml>
 <html lang="en">
```

```html
<head>
  <meta charset="utf-8">
   <meta name="viewport" content="width=device-width,
initial-scale=1">
  <title>Log-in Page </title>
   <link href="css/bootstrap.min.css"
rel="stylesheet">
   <script src="chat.js"></script>
</head>
<style>
  .pad{

            padding-top: 40%;
        }
        .bold{
            font-weight: bolder;
            }
        .backgroundcolour{
            background-color: beige;
        }
        .font{
            font-
            weight:
            bolder;
            color:white
            smoke;
        }
    </style>
        <body>

            <div class="container">
                <div class="row">
                    <div class="col-sm-6">

                    </div>
                    <div class="col-sm-6">
```

```html
<div class="pad ">

<center><imgsrc="images/logo.png"
class="img-responsive" width="20%"
height="20%"> </center> <HR>
<form>
<div
class="input-group">
<span
class="input-group-addon"><i
class="glyphiconglyphicon-
user"></i></span>
<i
nputid="email" type="text" class="form-
control" name="email"
placeholder="Enter Your Registered
Email ID" required>




class="input-group">
</div>
<br>
<div

 <span

class="input-group-addon"><i
class="glyphiconglyphicon-
lock"></i></span>
<in
put
```

```html
                                    id="password" type="password" class="form-
                                    control" name="password"
                                    placeholder="Enter YourPassword"
                                    required>
                                            </div>

                          <hr>

                 <div class="row">
                 <div class="col-sm-6">
                 <button type="submit" id="" class="btn
                 btn- success btn-block"> <span
                 class="font">LOG IN
                 </span></button>

                        </div>

                        <div class="col-sm-6">

                         <button id="" class="btn btn-
                 danger btn-block"><a
                 href="forget_password.html"><span
                 class="font">FORGET PASSWORD




                 </span></a></button>




                                                       <br>
     </div>
                 </div>



                                                  </form>
```

```html
                                              <a
href="signup.html"> <button
type="submit" id="" class="btn btn-
primary btn-block"><span
class="font">CREATE AN ACCOUNT </span>
</button>
</a>
                                    </div>


                           </div>

                        </div>
                        </div>


                        <script
src="js/jquery.min.js"></s
cript>
                        <script
src="js/bootstrap.min.js"></script>
                        <script src="chat.js"></script>
                </body>
                </html>
```

FORGET-PASSWORD.html

```html
    <!DOCTYPEhtml>
<html lang="en">
  <head>
    <meta charset="utf-8">
     <meta name="viewport" content="width=device-width,
initial-scale=1">
    <title>Responsive Sample</title>
     <link href="css/bootstrap.min.css"
rel="stylesheet">
  </head>
  <style>
     .pad{
```

```
                padding-top: 20%;
                padding-left: 20%;




        padding-right: 20%;
    }
    .bold{
        font-weight: bolder;
    }
</style>
    <body>
                    <div
            class="contain
                er">

                    <div class="pad">
                     <form>
                            <center> <H3
    class="bold">FORGET
    PASSWORD</H3></center> <hr>
                            <div class="form-group">
                              <label
                              for="email">Email
    address:</label>
                                <input type="email"
    class="form-control" id="email"
    placeholder="Enter Your
    Registered EmailAddtress">
                            </div>
                            <div class="form-group">
                              <label
    for="pwd">OTP</label>
                                <input type="password"
    class="form-control" id="pwd"
    placeholder="Enteryour OTP ">
```

```
                              </div>

                              <button
type="submit"class="btn btn-
default">Recover
Password</button>
                              </form>
                              </div>
                              </div>


                              <script
src="js/jquery.min.js"></s
cript>
                              <script
src="js/bootstrap.min.js"></script>
                              </body>
</html>
```

SIGN UP.html

```
<!DOCTYPE
html>



<html lang="en">
  <head>
    <meta charset="utf-8">
     <meta name="viewport" content="width=device-
width,initial-scale=1">
    <title>Creating New Account
</title>
     <link href="css/bootstrap.min.css"
rel="stylesheet">
  </head>
```

```
<style>
    .pad{
            padding-top: 10%;
        padding-bottom: 10%;
    }
    .bold{
        font-weight: bolder;
    }
</style>
    <body>


            <div class="container">




                    class="pad">
                            <div



<h3



                class="bold">CREATE AN
    ACCOUNT</h3>
                                    <H
                                    R>



        <form> class="form-group">
            <div



            <label
    for="name">First
    Name</label>


            <input
    type="name"
    class="form-control"
```

```
id="name"
placeholder="Enter
Your First Name">
```

```
</div> class="form-

group">

<label for="name">Last
Name</label>
```

`<div`

```
<input
type="name"
class="form-control"
id="name"
placeholder="Enter Your Last
Name">

</div>

<div class="form-group">

<label
for="email">Email
address:</label>

<input type="email"
class="form-control"
id="email"
placeholder="Enter Your
Email ID">

</div>
```

```html
<div class="form-group">

    <label
for="pwd">Password
:</label>

    <input
type="password"
class="form-control"
id="pwd"
placeholder="Enter Your
Password">


    </div> class="form-group">

<div

    <label
for="repwd">Reenter
Password:</label>

    <input
type="password"
class="form-control"
id="repwd"
placeholder="Enter Your
PasswordAgain">




    </div>



    <button
type="button" id=""
```

```html
                   class="btn btn-primary
btn-blockbtn-
danger">CREATE AN
ACCOUNT</button>

        <hr>

        <button
type="submit"
id="login_already"
class="btn btn-primary
btn-block btn-success">Do
you have an Account
Already
?</button>


        </div>

 </form>
                          </di
                           v>

        </div>



          <script
src="js/jquery.min.js"></scr
ipt>
          <script
src="js/bootstrap.min.js"></
script>
          <sc
ript
src="chat.js">
</script>
        </body>
</html>
```

BACK END :

```
impo rt os
import
ibm_dbimport
bcrypt
        #import send_from_directory
        app = Flask(name) #initialising
        flaskapp.secret_key = ''
        PEOPLE_FOLDER = os.path.join('static',
        'people_photo')import ibm_db
        conn =
        ibm_db.connect("DATABASE=bludb;HOSTNAME=54a2f15b-
        5c0f-46df-8954-
        7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomai
        n.cloud;P
        ORT=32733;SECURITY=SSL;SSLServerCertificate=DigiCert
        GlobalRoo
        tCA.crt;PROTOCOL=TCPIP;UID=phb43134;PWD=mTTnIE45Raj9
        A0rr",'','')
        @app.route("/") #defining the routes for the home()
        funtion(Multiple routes can be used as seen here)
        @app.route("/home")
        def home():
            return render_template("home.html")
        #rendering ourhome.html contained within
        /templates @app.route("/login")
        def login():
            if request.method ==
                'POST': email =
                request.form['email
                ']
                password =
                request.form['password']if
                not email or not password:
                    return
        render_template('login.html',error='Pleasefill all
        fields')
```

```python
query = "SELECT * FROM USER WHERE email=?"
stmt = ibm_db.prepare(conn, query)
ibm_db.bind_param(stmt,1,email)
ibm_db.execute(stmt)
isUser = ibm_db.fetch_assoc(stmt)
print(isUser,password)
if not isUser:
    return render_template('login.html',error='Invalid Credentials')

isPasswordMatch = bcrypt.checkpw(password.encode('utf-8'),isUser['PASSWORD'].encode('utf-8'))
if not isPasswordMatch:
    return render_template('login.html',error='Invalid Credentials')
session['email'] = isUser['EMAIL']
```

```python
        return
    redirect(url_for('user_dashboard'))
    return
    render_template('login.html',name='Home')
app.config["UPLOAD_DIR"] = "uploads"
@app.route("/register",methods=['GET','
POST'])def register():
  if request.method ==
    'POST': email =
    request.form['email
    ']
    password =
    request.form['password']
    firstname=request.form['firstn
    ame']
    middlename=request.form['mid
    dlename']
    lastname=request.form['lastn
    ame']
    dob=request.form['dob']
    age=request.form['age']
    drno=request.form['drno']
    landmark1=request.form['lnmk
    1']
    landmark2=request.form['lnmk
    2'] village
    =request.form['village']
    district=request.form['distr
    ict']
    pincode=request.form['pincod
    e']
    country=request.form['countr
    y']
    country_code=request.form['count
    ryCode']
    phone=request.form['phone']
    schlname10=request.form['schlnam
    e10']
    maxmark10=request.form['maxmark1
    0']
    actmark10=request.form['actmark1
    0']
    schlname212=request.form['schlna
```

```
        me212']
        maxmark212=request.form['maxmark
        212']
        actmark212=request.form['actmark
        212']
        clgname=request.form['clgname']
        clgmaxmark=request.form['clgmaxm
        ark']
        clgactmark=request.form['clgactm
        ark']
        stream=request.form['stream']
        graduation=request.form['graduat
        ion']
        grayear=request.form['grayear']
        branch=request.form['branch']
        skills=request.form['form[]']
        q1=request.form['Q1']
        q2=request.form['Q2']




        q3=request.form['Q3']
        q4=request.form['Q4']
        q5=request.form['Q5']
        position=request.form['positio
        n']
        experience=request.form['expye
        ars']
        designation=request.form['desi
        gnation']tum =
        request.files['resume']
    tum.save(os.path.join(app.config['UPLOAD_DIR'],tum.f

        ilename))


        hash=bcrypt.hashpw(password.encode('utf-

8'),bcrypt.gensalt())
        query = "SELECT EMAIL FROM JOBSEEKER WHERE EMAIL=?"
        stmt =
```

```python
        ibm_db.prepare(conn,
        query)
        ibm_db.bind_param(stmt,1,
        email)
        ibm_db.execute(stmt)
        isUser = ibm_db.fetch_assoc(stmt)

        if not is User:
            insert_sql = "INSERT INTO JOBSEEKER (EMAIL,
PASSWORD, FIRSTNAME, MIDDLENAME, LASTNAME, DOB,
AGE, DOOR_NO, LANDMARK1, LANDMARK2,VILLAGE,
DISTRICT, PINCODE, COUNTRY, COUNTRY_CODE, PHONE,
SCHOOL_NAME, SC_MAX_MARK,
SC_ACT_MARK,HSC_SCHOOL_NAME,HSC_MAX_MARK,
HSC_ACT_MARK,COLLEGE_NAME,COLLEGE_MAX,COLLEGE_ACT,
STREAM, GRADUATION, GRADUATION_YEAR, BRANCH,
SKILLS, PRESENTATION, HACKATHON, CODING, WON,
PRIZE_WON, POSITION, EXPYEARS,DESIGNATION, RESUME)
VALUES
(?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?
,?,?,?,?,
?,?,?,?,?,?,?,?,?)"
            prep_stmt = ibm_db.prepare(conn, insert_sql)
            ibm_db.bind_param(prep_stmt, 1, email)
            ibm_db.bind_param(prep_stmt, 2, password)
            ibm_db.bind_param(prep_stmt, 3, firstname)
            ibm_db.bind_param(prep_stmt, 4, middlename)
            ibm_db.bind_param(prep_stmt, 5, lastname)
            ibm_db.bind_param(prep_stmt, 6, dob)
            ibm_db.bind_param(prep_stmt, 7, age)
            ibm_db.bind_param(prep_stmt, 8, drno)
            ibm_db.bind_param(prep_stmt, 9, landmark1)
            ibm_db.bind_param(prep_stmt, 10, landmark2)
            ibm_db.bind_param(prep_stmt, 11, village)
            ibm_db.bind_param(prep_stmt, 12, district)
            ibm_db.bind_param(prep_stmt, 13, pincode)
            ibm_db.bind_param(prep_stmt, 14, country)
```

```python
        ibm_db.bind_param(prep_stmt, 15, country_code)
        ibm_db.bind_param(prep_stmt, 16, phone)
        ibm_db.bind_param(prep_stmt, 17, schlname10)
        ibm_db.bind_param(prep_stmt, 18, maxmark10)
        ibm_db.bind_param(prep_stmt, 19, actmark10)
        ibm_db.bind_param(prep_stmt, 20, schlname212)
        ibm_db.bind_param(prep_stmt, 21, maxmark212)
        ibm_db.bind_param(prep_stmt, 22, actmark212)
        ibm_db.bind_param(prep_stmt, 23, clgname)
        ibm_db.bind_param(prep_stmt, 24, clgmaxmark)
        ibm_db.bind_param(prep_stmt, 25, clgactmark)
        ibm_db.bind_param(prep_stmt, 26, stream)
        ibm_db.bind_param(prep_stmt, 27, graduation)
        ibm_db.bind_param(prep_stmt, 28, grayear)
        ibm_db.bind_param(prep_stmt, 29, branch)
        ibm_db.bind_param(prep_stmt, 30, skills)
        ibm_db.bind_param(prep_stmt, 31, q1)
        ibm_db.bind_param(prep_stmt, 32, q2)
        ibm_db.bind_param(prep_stmt, 33, q3)
        ibm_db.bind_param(prep_stmt, 34, q4)
        ibm_db.bind_param(prep_stmt, 35, q5)
        ibm_db.bind_param(prep_stmt, 36, position)
        ibm_db.bind_param(prep_stmt, 37, experience)
        ibm_db.bind_param(prep_stmt, 38, designation)
        ibm_db.bind_param(prep_stmt,
        39, tum)
        ibm_db.execute(prep_stmt)
        return
    render_template('register.html')
    else:
        return
render_template('register.html',error='Invalid
Credentials')
  return
render_template('register.html',name='Home')
@app.route("/orgregister")
def orgregister():
```

```
        return render_template("orgregister.html")
    #rendering ourregister.html contained within
    /templates @app.route("/user_dashboard")
    def user_dashboard():
        return render_template("user_dashboard.html")
    @app.route('/logout')
    def logout():
        session.pop('email',Non
        e) return
        redirect(url_for('login'
        ))
if     name    == "    main ": #checking if     name 's
value  is  '_main ' .  name  is an python environment
variable who's value will always be '_main ' till
this is the first




    instatnce of app.py running
        app.run(debug=True,port=8080) #running flask
    (Initalisedon line 4)
```

SPRINT 2

Index.html

```
<!DOCTYPE html>

<html lang="en">

  <head>

    <meta charset="utf-8">

     <meta name="viewport" content="width=device-width,
initial-scale=1">

    <title>Log-in Page </title>
```

```html
<link href="css/bootstrap.min.css" rel="stylesheet">

<script src="chat.js"></script>

</head>

<style>

  .pad{

      padding-top: 40%;

  }

  .bold{

      font-weight: bolder;

  }

  .backgroundcolour{ background

      -color: beige;

  }

  .font{
```

```
                                                            }


          </style>
font-weight: bolder;

color:whitesmoke;




          <body>

               <br>



               <div class="container">




                         <div class="row">

                          <div class="col-sm-6">


                              <div class="pad ">
```

```html
<center><img src="images/ORGANIZATION_LOGO.png"  class="img-responsive"width="20%" height="20%"> </center> <BR>

<form>

<div class="input-group">

<span class="input-group-addon"><i class="glyphicon glyphicon-user"></i></span>

<input id="email" type="text" class="form-control" name="email" placeholder="EnterYour Organization Registered Email ID" >

</div>


<br>


<div class="input-group">

<span class="input-group-addon"><i class="glyphicon glyphicon-lock"></i></span>

<input id="password"type="password" class="form-control" name="password" placeholder="Enter Your Password">

</div>


<hr>
```

```html
                                    <div class="row">

                                    <div class="col-sm-6">

    <button type="submit" id="" class="btn btn-success
btn-block"> <span class="font">LOG IN </span></button>

    </div>



    <div class="col-sm-6">

     <button  id="" class="btn btn-danger btn-block">
<a href=""><span class="font">FORGET PASSWORD
</span></a></button>

    </div>

                                    </div> <br>




                        </form>




<ahref="Organization/Create_Account/org_create_account.html">
<button type="submit" id="" class="btn btn-primary btn-
block"><span class="font">CREATE AN ACCOUNT </span>
</button>
</a>

                        </div>
```

```
                    </div>

                    <div class="col-sm-6">



                    <div class="pad ">




                                <center><img
src="images/logo.png" class="img-responsive"
width="20%"height="20%"> </center> <br>




group">

<form>

    <div class="input-


        <span class="input-

group-addon"><i class="glyphicon glyphicon-user"></i></span>

                                <input
```

```
id="email" type="text" class="form-control"
name="email" placeholder="EnterYour Registered Email
ID" required>

                                                </div>


                                                <br>




group">
<div class="input-


    <span class="input-


group-addon"><i class="glyphicon glyphicon-lock"></i></span>

                                                <input
id="password"type="password" class="form-control"
name="password" placeholder="Enter Your Password"
required>

                                                </div>



                                                <hr>




6">
```

```html
<div class="row">

    <div class="col-sm-

                                        <butt
on type="submit" id="" class="btn btn-success btn-
block"> <spanclass="font">LOG IN </span></button>

6">

                        </div>

                        <div class="col-sm-

<button  id="" class="btn btn-danger btn-block">

<a href="forget_password.html">

<span class="font">FORGET PASSWORD </span></a></button>

                        </div>

                    </div> <br>

                    </form>

                    <a href="signup.html">
```

```
<button type="submit" id="" class="btn btn-primary btn-
block">

<span class="font">CREATE AN ACCOUNT </span> </button>

</a></div>

</div>

</div>

</div>

                <script src="js/jquery.min.js"></script>

                <script src="js/bootstrap.min.js"></script>

                <script src="chat.js"></script>

        </body>

</html>
```

FORGET-PASSWORD.html

```
<!DOCTYPEhtml>
<html lang="en">
<head>
    <meta charset="utf-8">
     <meta name="viewport" content="width=device-width,
initial-scale=1">
    <title>Responsive Sample</title>
     <link href="css/bootstrap.min.css"
rel="stylesheet">
```

```
</head>
<style>
    .pad{

                padding-top: 20%;
                padding-left: 20%;
                padding-right: 20%;
        }
        .bold{
            font-weight: bolder;
        }
</style>
    <body>
        <div class="container">

                <div class="pad">
                 <form>
                        <center> <H3
    class="bold">FORGET
    PASSWORD</H3></center> <hr>
                        <div class="form-group">
                          <label
                          for="email">Email
    address:</label>
                          <input type="email"
    class="form-control" id="email"
    placeholder="Enter Your Registered
    EmailAddtress">
                        </div>
                        <div class="form-group">
                          <label
    for="pwd">OTP</label>
                          <input type="password"
    class="form-control" id="pwd"
    placeholder="Enteryour OTP ">
```

```html
          </div>

                        <button
type="submit"class="btn btn-
default">Recover
Password</button>
                    </form>
                </div>
            </div>


                  <script
src="js/jquery.min.js"></script>
                  <script
src="js/bootstrap.min.js"></script>
          </body>
</html>
```

SIGNUP.html

```html
              <!DOCTYPE
              html>


<html lang="en">

  <head>

    <meta charset="utf-8">

      <meta name="viewport" content="width=device-
width,initial-scale=1">

    <title>Creating New Account
</title>

      <link href="css/bootstrap.min.css"
rel="stylesheet">
```

```html
</head>
<style>
    .pad{

                    padding-top: 10%;



              padding-bottom: 10%;
        }
        .bold{
            font-weight: bolder;

        }
    </style>
        <body>


            <div class="container">



                    class="pad">
                        <div


<h3
```

```html
class="bold">CREATE AN
ACCOUNT</h3>

                    <HR>


        <form> class="form-group">



<div

        <label
   for="name">First
   Name</label>


        <input
   type="name"
   class="form-control"
   id="name"
   placeholder="Enter
   Your First Name">



        </div> class="form-group">



<div




        <label
   for="name">Last
   Name</label>
```

```html
          <input
type="name"
class="form-control"
id="name"
placeholder="Enter Your Last
Name">


          </div>


          <div class="form-group">


          <label
for="email">Email
address:</label>


          <input type="email"
class="form-control"
id="email"
placeholder="Enter Your
Email ID">


          </div>


          <div class="form-group">


          <label
for="pwd">Password:</label>


          <input
type="password"
class="form-control"
id="pwd"
placeholder="Enter Your
```

```
Password">




            </div> class="form-group">




    <div


            <label for="repwd">Reenter




    Password:</label>


            <input
    type="password"
    class="form-control"
    id="repwd"
    placeholder="Enter Your
    PasswordAgain">


                </div>




                <button
    type="button" id=""
    class="btn btn-primary
    btn-blockbtn-
    danger">CREATE AN
    ACCOUNT</button>
```

```html
<hr>

<button
type="submit"
id="login_already"
class="btn btn-primary
btn-block btn-success">Do
you have an Account
Already
?</button>

</div>

</form>

</div>

</div>

<script
src="js/jquery.min.js"></sc
ript>
<script
src="js/bootstrap.min.js"><
/script>
<script
src="chat.js"></script>

</body>
```

```
                              </html>
```

HOME PAGE :

Forgot password.html

```
<!DOCTYPE html>

<html lang="en">

  <head>

    <meta charset="utf-8">

            <meta name="viewport"
content="width=device-width,initial-scale=1">

    <title>Responsive Sample</title>

            <link
href="css/bootstrap.min.css"
rel="stylesheet">

  </head>

  <style>

            .pad{

              padding-top: 20%;

              padding-left: 20%;

              padding-right: 20%;

            }
```

```html
            .bold{

                font-weight: bolder;




    </style>
}



<body>

  <div class="container">



        <div class="pad">




                <form>

                        <center> <H3
  class="bold">FORGETPASSWORD</H3></center> <hr>

                        <div class="form-group">

                          <label for="email">Email
  address:</label>

                          <input type="email" class="form-
  control" id="email" placeholder="Enter Your Registered
  EmailAddtress">

                        </div>

                        <div class="form-group">
```

```html
                        <label for="pwd">OTP</label>

                        <input type="password"
class="form-control" id="pwd" placeholder="Enter your
OTP ">

                    </div>


                    <button type="submit"
class="btn btn-default">Recover Password</button>

               </form>

             </div>


             </div>
```

```html
</html>
  <script src="js/jquery.min.js"></script>

  <script src="js/bootstrap.min.js"></script>

</body>
```

Signup.html

```html
<!DOCTYPE html>

<html lang="en">

  <head>

    <meta charset="utf-8">

            <meta name="viewport"
content="width=device-width,initial-scale=1">

    <title>Creating New Account </title>

            <link
href="css/bootstrap.min.css"
rel="stylesheet">

  </head>

  <style>

            .pad{

              padding-top: 10%;

        padding-bottom: 10%;

            }


            .bold{

              font-weight: bolder;

            }
```

```html
        </style>


            <body>


                <div class="container">
```

ACCOUNT</h3>
```html
    <div class="pad">

        <h3 class="bold">CREATE AN


        <HR>

        <form>

<div class="form-group">
```

```
                        <label

    for="name">First Name</label>

                                            <input
                                            type="name"
    class="form-control" id="name" placeholder="Enter Your
    FirstName">

                                            </div>




    for="name">Last Name</label>
<div class="form-group">

                <label


                <input type="name"

    class="form-control" id="name" placeholder="Enter Your
    LastName">

                                            </div>


                                            <div class="form-
                                            group">
```

```
for="email">Email address:</label>
<label


<input type="email"

class="form-control" id="email" placeholder="Enter Your
EmailID">




for="pwd">Password:</label>

</div>

<div class="form-group">

    <label


    <input

type="password" class="form-control" id="pwd"
placeholder="EnterYour Password">

                                      </div>



                        <div class="form-group">

                              <label
for="repwd">Reenter Password:</label>

                                    <input
```

```
                            type="password" class="form-control" id="repwd"
                            placeholder="Enter Your Password Again">

                                                                </div>




                                                                <button
                            type="button" id="" class="btn btn-primary btn-block
                            btn-danger">CREATE AN ACCOUNT</button>

                                                                <hr>




                                                                <button
                            type="submit" id="login_already" class="btn btn-primary
                            btn-block btn-success">Do you have an Account Already
                            ?</button>




                                                  </div>

                                                  </form>

                                      </div>



                        </div>
```

```
</html>
```

BACKEND

APP.PY

```
from flask import *#importing flask (Install it using
python -mpip install flask)
```

```
imprt os
```

```
import
```

```
ibm_db
```

```
import
```

```
bcrypt
```

```
#import send_from_directory

app = Flask(name) #initialising

flaskapp.secret_key = ''

PEOPLE_FOLDER = os.path.join('static', 'people_photo')
```

```
import ibm_dbconn =
```

```python
ibm_db.connect("DATABASE=bludb;HOSTNAME=54a2f15b-5c0f-
46df-8954-
7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.c
loud;PORT
=32733;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalR
ootCA.cr
t;PROTOCOL=TCPIP;UID=phb43134;PWD=mTTnIE45Raj9A0rr",'','
')




@app.route("/") #defining the routes for the home()
funtion(Multiple routes can be used as seen here)

@app.route("/home")




def home():

    return render_template("index/INDEX.html")
#rendering ourhome.html contained within /templates




@app.route("

/login")def

login():

    if request.method ==

        'POST': email =

        request.form['email

        ']
```

```python
        password =
        request.form['password']if
        not email or not password:
            return
render_template('login.html',error='Pleasefill all
fields')


        query = "SELECT * FROM USER WHERE
        email=?"stmt =
        ibm_db.prepare(conn, query)
        ibm_db.bind_param(stmt,1,email)
        ibm_db.execute(stmt)
        isUser =
        ibm_db.fetch_assoc(stmt)
        print(isUser,password)


        if not isUser:
            return
render_template('login.html',error='InvalidCredentials')


        isPasswordMatch =
bcrypt.checkpw(password.encode('utf-
8'),isUser['PASSWORD'].encode('utf-8'))


        if not isPasswordMatch:
```

```python
            return
render_template('login.html',error='InvalidCredentials')



        session['email'] = isUser['EMAIL']

        return redirect(url_for('user_dashboard'))



    return render_template('login.html',name='Home')




app.config["UPLOAD_DIR"] = "uploads"

@app.route("/register",methods=['GET'

,'POST'])def register():

  if request.method ==

    'POST': email =

    request.form['email

    ']

    password =

    request.form['password']

    firstname=request.form['firstn

    ame']
```

```
middlename=request.form['mid
dlename']
lastname=request.form['lastn
ame']
dob=request.form['dob']
age=request.form['age']
drno=request.form['drno']
landmark1=request.form['lnmk
1']
landmark2=request.form['lnmk
2'] village
=request.form['village']
district=request.form['distr
ict']
pincode=request.form['pincod
e']




country=request.form['country']
country_code=request.form['coun
tryCode']
phone=request.form['phone']
schlname10=request.form['schlna
```

```python
me10']
maxmark10=request.form['maxmark
10']
actmark10=request.form['actmark
10']
schlname212=request.form['schln
ame212']
maxmark212=request.form['maxmar
k212']
actmark212=request.form['actmar
k212']
clgname=request.form['clgname']
clgmaxmark=request.form['clgmax
mark']
clgactmark=request.form['clgact
mark']
stream=request.form['stream']
graduation=request.form['gradua
tion']
grayear=request.form['grayear']
branch=request.form['branch']
skills=request.form['form[]']
q1=request.form['Q1']
q2=request.form['Q2']
```

```python
        q3=request.form['Q3']

        q4=request.form['Q4']

        q5=request.form['Q5']

        position=request.form['position
        ']

        experience=request.form['expyea
        rs']

        designation=request.form['desig
        nation']




    tum = request.files['resume']


tum.save(os.path.join(app.config['UPLOAD_DIR'],tum.filename))




    hash=bcrypt.hashpw(password.encode('ut
f-8'),bcrypt.gensalt())



    query = "SELECT EMAIL FROM ORGANIZATION WHERE EMAIL=?"

    stmt =
```

```python
        ibm_db.prepare(conn,
        query)

        ibm_db.bind_param(stmt,1,
        email)

        ibm_db.execute(stmt)

        isUser = ibm_db.fetch_assoc(stmt)


        if not isUser:

            insert_sql = "INSERT INTO ORGANIZATION
(ORGANIZATION_NAME,ORGANIZATION_ID,
ORGANIZATION_ADDRESS,SET_PASSWORD, REENTERPASSWORD)
VALUES (?,?,?,?,?)"

            prep_stmt = ibm_db.prepare(conn, insert_sql)

            ibm_db.bind_param(prep_stmt,  1,  ORGANIZATION_NAME)

            ibm_db.bind_param(prep_stmt,  2,  ORGANIZATION_ID)

            ibm_db.bind_param(prep_stmt,  3,  ORGANIZATION_ADDRESS)

            ibm_db.bind_param(prep_stmt,  4,  SET_PASSWORD)

            ibm_db.bind_param(prep_stmt,  5,  REENTERPASSWORD)

            ibm_db.execute(prep_stmt)



        return
render_template('Organization\Create_Account\org_create_
account.html')

        else:
```

```python
        return
render_template('Organization\Create_Account\org_create_
account.html',error='Invalid Credentials')



    return  render_template('create_account.html',name='Home')




@app.route("/orgreg

ister")def

orgregister():

    return  render_template("org_create_account.html")
#renderingour register.html contained within /templates




@app.route("/user_da

shboard")def

user_dashboard():


    return  render_template("user_dashboard.html")


@app.route('

/logout')def

logout():
```

```python
        session.pop('email',Non

        e) return

        redirect(url_for('login'

        ))
```

```python
ifname== "main": #checking ifname's value is
'main'.nameis an python environment variable who's
value will always be 'main' till this is the first
instatnceof app.py running

        app.run(debug=True,port=8080) #running flask
(Initalised online 4)
```

```python
        hash=bcrypt.hashpw(password.encode('ut
f-8'),bcrypt.gensalt())
```

```python
        query = "SELECT EMAIL FROM JOBSEEKER WHERE EMAIL=?"

        stmt =

        ibm_db.prepare(conn,

        query)

        ibm_db.bind_param(stmt,1,
```

```
        email)

        ibm_db.execute(stmt)

        isUser = ibm_db.fetch_assoc(stmt)



        if not isUser:

            insert_sql = "INSERT INTO JOBSEEKER (FIRSTNAME,
LASTNAME,EMAIL_ADDRESSS,PWD,REPWD=?"

            prep_stmt = ibm_db.prepare(conn, insert_sql)

            ibm_db.bind_param(prep_stmt, 1, firstname)

            ibm_db.bind_param(prep_stmt, 2, lastname)

            ibm_db.bind_param(prep_stmt, 3, email_address)

            ibm_db.bind_param(prep_stmt, 4, pwd)

            ibm_db.bind_param(prep_stmt, 5, repwd)




            ibm_db.execute(prep_stmt)

            return render_template('Job

        Seeker\signup.html')else:

            return render_template('Job
Seeker\signup.html',error='Invalid Credentials')



    return render_template('signup.html',name='Home')
```

JAVASCRIPT:

```javascript
window.watsonAssistantChatOptions= {




    integrationID: "d73273d3-3f44- 4304-84ee-
8fd243016d1d", // The ID ofthis integration.
    region: "jp-tok", // The regionyour integration is
hosted in.
    serviceInstanceID: "81229104-ee6b-46da-ac1c-
67ede110663a", // The ID of your service instance.
    onLoad: function(instance)
{instance.render(); }
  };
  setTimeout(function(){const
t=document.createElement('script');t.src="https://web-
chat.global.assistant.watson.appdomain
.cloud/versions/" + (window.watsonAssistantChatOptions.cli
entVersion || 'latest') + "/WatsonAssistantChatEntry.js";
    document.head.appendChild(t);
  });
```

Verify.py

```python
from flask import request

from flask_restful  import
```

```
Resource from utils.tokener

import confirm_tokenfrom

utils.dbQuery import

insertQuery class

Verify(Resource):

data=request.json

token=data["token"]

email=confirm_token(

token)if(not email):

return {"status":"Couldn't verify"},400

res=insertQuery("UPDATE user set verified=True

whereemail=?",(email,))

if(not res):

return {"status":"Couldn't

Update"},400 return

{"status":"verified

successfully"},200
```

SPRINT :3

FRONT END

DASHBROAD.html

```html
<!DOCTYPE html>

<html lang="en">

<head>

  <title>Bootstrap Example</title>

  <meta charset="utf-8">

  <meta name="viewport" content="width=device-width,
initial-scale=1">

  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/cs
s/bootstrap.min.css">

  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/
jquery.min.js"></script>

  <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/
bootstrap.min.js"></script>


  <style>

    .rus{


        border-radius: 0%

    };


    .black{
```

```html
        color:black;

    }

</style>



</head>

<body>



<!-
============================================================-->

<nav class="navbar navbar-inverse rus">

<div class="container-fluid">

 <div class="navbar-header">

        <a class="navbar-brand" href="#">Skill and Job
Recommender</a>

        </div>



        <ul class="nav navbar-nav navbar-right">

        <li><a href="#"><span class="glyphicon
glyphicon-log-in"></span> Log out</a></li>

        </ul>

        </div>
```

```html
        </nav>

<div class="container">

  <ul class="nav nav-tabs">

    <li class="active"><a data-
toggle="tab"
href="#home">Profile</a></li>

    <li><a data-toggle="tab" href="#menu1">Eligibility
Test</a></li>

    <li><a data-toggle="tab" href="#menu2">Find Job</a></li>

  </ul>

  <div class="tab-content">

    <div id="home" class="tab-pane fade in active">

      <h3>PROFILE</h3>

      <hr>

      <form>

        <div class="alert alert-danger">

        <div class="form-group">
```

```html
            <label for="name"><span clss="black">Name:
</span></label>

            <input type="text" class="form-control"
id="name"value="Mahadevan">

         </div>

         <div class="form-group">

            <label for="email"><span class="black">Email
            Address
</span></label>

            <input type="text" class="form-control"
id="email"value="Mahadevan@gmaiil.com">

         </div>




         <div class="form-group">




            <label for="email"><span class="black">Mobile No
</span></label>

            <input type="text" class="form-control"
id="email"value="9003824096">

         </div>



         <div class="form-group">

            <label for="quali"><span class="black">What
```

```
is yourNationality </span></label>

            <input type="text" class="form-control"
id="quali"value="India">

        </div>

 <div class="form-group">

            <label
for="quali">What is your
Qualification</label>

            <input type="text" class="form-control"
            id="quali"
value="BE">

        </div>



        <div class="form-group">

        <label for="quali">What year did you
complete yourbachelor Degree?</label>

            <input type="text" class="form-control"
id="quali"value="2023">

         </div>



        <div class="form-group">

        <label for="experience">How many years of
workexperience do you have ?</label>

        <input type="text"
class="form-control"id="experience"
value="0">
```

```html
                </div>



        <div class="form-group">

           <label for="place">Where have you graduated
highschool degree ?</label>

           <input type="text" class="form-control"
id="place"value="Government high school Ariyalur">

           </div>
```

```html
    :</label>
<div class="form-group">

  <label for="SSLC">What is your SSLC Percentage


  <input type="text" class="form-control" id="SSLC"

    value="90">

           </div>
```

```html
    :</label>
<div class="form-group">
```

```html
<label for="HSC">What is your HSC Percentage


<input type="text" class="form-control" id="HSC"

   value="90">

             </div>




             <div class="form-group">

               <label for="degree">What is your
   Percentage inbachelor Degree:</label>

               <input type="text" class="form-control"
   id="degree"value="90.5">

             </div>




             <textarea class="form-control" id="aboutyou"
   rows="3"placeholder="Write few words about
   yourself"></textarea> <br>
   <br>




             <button type="submit" class="btn btn-primary
   btn-success">Save changes</button> <br> <br>

             </div>

           </form>

       </div>
```

```html
<div id="menu1" class="tab-pane fade">

    <h3>Eligibility Test </h3> <hr>



    <div class="alert alert-info">

      <label>What function is used to display output
on thescreen?</label>
            <div class="radio">

                    <label><input
type="radio"
name="print">printf()</label>

                    </div>

                    <div class="radio">




                    <label><input
type="radio"
name="scanf">scanf()</label>

                    </div>

                    <div class="radio">

                    <label><input
type="radio"
name="switch">switch</label>

                    </div>

    </div> <hr>
```

```
<div class="alert alert-info">

    <label>What function is used to display output
on thescreen?</label>

        <div class="radio">

            <label><input
type="radio"
name="print">printf()</label>

            </div>

            <div class="radio">

            <label><input
type="radio"
name="scanf">scanf()</label>

            </div>

            <div class="radio">

            <label><input
type="radio"
name="switch">switch</label>

            </div>

    </div> <hr>


    <div class="alert alert-info">



        <label>What function is used to display output
on thescreen?</label>
```

```html
<div class="radio">

    <label><input
type="radio"
name="print">printf()</label>

    </div>

    <div class="radio">

    <label><input
type="radio"
name="scanf">scanf()</label>

    </div>

    <div class="radio">

    <label><input
type="radio"
name="switch">switch</label>

    </div>

</div> <hr>



<div class="alert alert-info">

    <label>What function is used to display output
on thescreen?</label>

        <div class="radio">

            <label><input
type="radio"
name="print">printf()</label>

            </div>
```

```html
                              <div class="radio">

                              <label><input
type="radio"
name="scanf">scanf()</label>

                              </div>

                              <div class="radio">




                              <label><input
type="radio"
name="switch">switch</label>

                        </div>

          </div> <hr>



          <div class="alert alert-info">

            <label>What function is used to display output
on thescreen?</label>

                  <div class="radio">

                              <label><input
type="radio"
name="print">printf()</label>

                              </div>

                              <div class="radio">

                              <label><input
type="radio"
name="scanf">scanf()</label>
```

```html
                                                    </div>

                                                    <div class="radio">

                                                    <label><input
type="radio"
name="switch">switch</label>

                                                    </div>

                    </div><hr>



                    <div class="alert alert-info">

                        <label>What function is used to display output
on thescreen?</label>

                                <div class="radio">

                                                    <label><input
type="radio"
name="print">printf()</label>




                                                    </div>

                                                    <div class="radio">

                                                    <label><input
type="radio"
name="scanf">scanf()</label>

                                                    </div>

                                                    <div class="radio">
```

```html
                    <label><input
type="radio"
name="switch">switch</label>

                    </div>

    </div>



            <button type="submit" class="btn
btn-primarybtn-success">Submit the test</button>
<br> <br>

  </div>




    <div id="menu2" class="tab-pane fade">

      <h3>Find the job</h3>  <hr>

      <br>



      <div class="container">




      <form>

    <div class="input-group">

        <input type="text" class="form-control"

id="myInput" placeholder="Look for a job">
```

```html
                            <div class="input-group-btn">

type="submit">

search"></i>
        <button class="btn btn-default"

            <i class="glyphicon glyphicon-

        </button>

    </div>

  </div>

</form> <br> <br>

        <div style="width: 600px;">

                        <!-- Left-aligned -->

                        <div class="media">

                          <div class="media-left">
```

```html
                                        <img
src="images/img_avatar1.png"class="media-object"
style="width:60px">

                            </div>

                            <div class="media-body">

                                <h4 class="media-heading">Java
Developer</h4>

        <h5 class="media-heading"> Company Name : JK
SoftwareSolution</h4>

                                <p>Job Location : Chennai</p>

        <p> Salary : 45000</p>

        <button type="submit" class="btn btn-primary
btn-success">Apply </button> <br> <hr>

                        </div>




                    </div>

            </div>



    <br>

    <div style="width: 600px;">

                        <!-- Left-aligned -->

                        <div class="media">
```

```html
                    <div class="media-left">

                        <img
src="images/img_avatar1.png"class="media-object"
style="width:60px">

                        </div>

                        <div class="media-body">

                        <h4 class="media-heading">.NET
Developer</h4>

        <h5 class="media-heading"> Company Name : JK
SoftwareSolution</h4>

                            <p>Job Location : Chennai</p>

        <p> Salary : 45000</p>

        <button type="submit" class="btn btn-primary
btn-success">Apply </button> <br> <hr>

                </div>

                        </div>

                </div>


<div style="width: 600px;">

                        <!-- Left-aligned -->

                        <div class="media">



                        <div class="media-left">
```

```html
                                <img
src="images/img_avatar1.png"class="media-object"
style="width:60px">

                            </div>

                            <div class="media-body">

                                <h4 class="media-heading">PHP
Developer</h4>

        <h5 class="media-heading"> Company Name : JK
SoftwareSolution</h4>

                                <p>Job Location : Chennai</p>

        <p> Salary : 45000</p>

        <button type="submit" class="btn btn-primary
btn-success">Apply </button> <br> <hr>

                            </div>

                        </div>

                </div>

<div style="width: 600px;">

                            <!-- Left-aligned -->

                            <div class="media">

                            <div class="media-left">

                                <img
src="images/img_avatar1.png"class="media-object"
style="width:60px">

                            </div>
```

```html
                        <div class="media-body">

                              <h4 class="media-heading">UX
                              /UI
Designer</h4>

          <h5 class="media-heading"> Company Name : JK
SoftwareSolution</h4>




                              <p>Job Location : Chennai</p>

          <p> Salary : 45000</p>

          <button type="submit" class="btn btn-primary
btn-success">Apply </button> <br> <hr>

                        </div>

                    </div>

                </div>

</div>

</div>

</div>

<script>

  $(document).ready(function(){

    $("#myInput").on("keyup", function()

    { var value =

    $(this).val().toLowerCase();
```

```javascript
        $("#myDIV *").filter(function() {

            $(this).toggle($(this).text().toLowerCase().indexOf(val
            ue)
>
_
1
)

});

});

}
)
;

    </script>
```

```html
</b
 od
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</h
 tm
 l>
```

BACKEND:

```python
from flask import *#importing flask (Install it using
python -mpip install flask)

impo
```

```python
rt

os

impo

rt

ibm_

db

impo

rt

bcry

pt

#import send_from_directory

app = Flask(name) #initialising

flaskapp.secret_key = ''

PEOPLE_FOLDER = os.path.join('static',

'people_photo')import ibm_db

conn = ibm_db.connect("DATABASE=bludb;

HOSTNAME=54a2f15b-5c0f-46df-8954-
7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PO
RT
=32733;SECURITY=SSL;

SSLServerCertificate=DigiCertGlobalRootCA.crt;PROTOCOL=TCPIP;U
ID
=phb43134;PWD=mTTnIE45Raj9A0rr",'','')

@app.route("/") #defining the routes for the home()
funtion(Multiple routes can be used as seen here)

@app.route("
```

```python
/home")def

dashboard():

    return

render_template("dashboard.html")

def createjobseeker_profile():

  if request.method ==

    'POST': name =

    request.form['name']

    email =

    request.form['email

    ']

    mobileno=request.form['mobileno']



    nationality=request.form['nationality']

    qualification=request.form['qualification']

    passout=request.form['passout']

    experience=request.form['experience"];

    degree=request.form['degree'];

    per_sslc=request.form['per_sslc'];

    per_hsc=request.form['per_hsc'];

    per_degree=request.form['per_degree'];

    tum = request.files['resume']
```

```python
tum.save(os.path.join(app.config['UPLOAD_DIR'],tum.f
ilename))

hash=bcrypt.hashpw(password.encode('utf-
8'),bcrypt.gensalt())

query = "SELECT EMAIL FROM JOBSEEKER WHERE EMAIL=?"

stmt =

ibm_db.prepare(conn,

query)

ibm_db.bind_param(stmt,1,

email)

ibm_db.execute(stmt)

isUser =

ibm_db.fetch_assoc(stmt)

if not isUser:

    insert_sql = "INSERT INTO JOBSEEKER (name,
email,mobileno, nationality,
 qualification, passout, experience,
degree,per_sslc,per_hsc,per_degree) VALUES
(?,?,?,?,?,?,?,?,?,?,?,?)"

    prep_stmt = ibm_db.prepare(conn, insert_sql)

    ibm_db.bind_param(prep_stmt, 1, name)

    ibm_db.bind_param(prep_stmt, 2, email)
```

```python
        ibm_db.bind_param(prep_stmt, 3, mobileno)

        ibm_db.bind_param(prep_stmt, 4, nationality)

        ibm_db.bind_param(prep_stmt, 5, qualification)

        ibm_db.bind_param(prep_stmt, 6, passout)

        ibm_db.bind_param(prep_stmt, 7, experience)

        ibm_db.bind_param(prep_stmt, 8, degree)

        ibm_db.bind_param(prep_stmt, 9, per_sslc)

        ibm_db.bind_param(prep_stmt, 10, per_hsc)

        ibm_db.bind_param(prep_stmt, 11, per_degree)

        ibm_db.execute(prep_stmt)

        return render_template('dashboard.html')

    return render_template('dashboard.html',name='Home')

   @app.route('/logout')

   def logout():

session.pop('email',None) return redirect(url_for('login'))
```

SPRINT 4:

```html
    <!DOCTYPE html>

    <html lang="en">

    <head>

      <title>Bootstrap Example</title>
```

```html
<meta charset="utf-8">

<meta name="viewport" content="width=device-width,
initial-scale=1">

<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/cs
s/bootstrap.min.css">

<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/
jquery.min.js"></script>

<script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/
bootstrap.min.js"></script>


<style>

    .rus{


        border-radius: 0%

    };



    .black{

      color:

      black;

    }

</style>
```

```html
    </head>

    <body>



    <!
    ============================================================-->

    <nav class="navbar navbar-inverse rus">

<div class="container-fluid">

 <div class="navbar-header">

          <a class="navbar-brand" href="#">Skill and Job
    Recommender</a>

          </div>



          <ul class="nav navbar-nav navbar-right">

          <li><a href="#"><span class="glyphicon
    glyphicon-log-in"></span> Log out</a></li>

          </ul>

        </div>

      </nav>

    <!
    ============================================================-->
```

```
<div class="container">

  <ul class="nav nav-tabs">

    <li class="active"><a data-toggle="tab"
href="#home">CompanyProfile</a></li>

    <li><a data-toggle="tab" href="#menu2">Find
candidate</a></li>




  </ul>



  <div class="tab-content">

    <div id="home" class="tab-pane fade in active">

      <h3>COMPANY PROFILE</h3>

      <hr>



      <form>

        <div class="alert alert-danger">

        <div class="form-group">

            <label for="name"><span clss="black">Company
            Name:
</span></label>
```

```html
          <input type="text" class="form-control"
id="name"value="Mahadevan">

        </div>

        <div class="form-group">

          <label for="email"><span
class="black">Company EmailAddress </span></label>

          <input type="text" class="form-control"
id="email"value="Mahadevan@gmaiil.com">

        </div>



        <div class="form-group">

          <label for="email"><span class="black">Mobile No
</span></label>

          <input type="text" class="form-control"
id="email"value="9003824096">




        </div>



        <div class="form-group">

          <label for="quali"><span
class="black">Location</span></label>

          <input type="text" class="form-control"
id="quali"value="India">

        </div>
```

```html
            <textarea class="form-control" id="aboutyou"
rows="3"placeholder="Write few words about
company"></textarea> <br>
<br>



            <button type="submit" class="btn btn-primary
btn-success">Save changes</button> <br> <br>

            </div>

        </form>

    </div>




            <div id="menu2" class="tab-pane fade">
```

```html
<h3>Find the Condidate</h3> <hr>

<br>


<div class="container">

<!_
>

<form>

                <div class="input-group">

                    <input type="text" class="form-
                    control"
id="myInput" placeholder="Look for a candidate">

                    <div class="input-group-btn">

                        <button class="btn btn-default"

type="submit">


search"></i>

        <i class="glyphicon glyphicon-


    </button>

  </div>

</div>

</form> <br> <br>
```

```html
<!>

<div style="width: 600px;">

    <!-- Left-aligned -->

    <div class="media">

      <div class="media-left">

        <img src="images/img_avatar1.png"class="media-object" style="width:60px">

      </div>

      <div class="media-body">

        <h4 class="media-heading">Name : Mahadevan</h4>

        <h5 class="media-heading"> Qualification : B.E (Computer Science Engineering )</h4>

        <button type="submit" class="btn btn-primary btn-success">Know More </button> <br> <hr>

      </div>

    </div>
```

```html
            </div> <br>

<div style="width: 600px;">

                    <!-- Left-aligned -->

                    <div class="media">

                      <div class="media-left">

                        <img
src="images/img_avatar1.png"class="media-object"
style="width:60px">

                        </div>

                        <div class="media-body">

                          <h4 class="media-heading">Name
                          :
Manikandan</h4>

        <h5 class="media-heading"> Qualification : B.E
(Computer Science Engineering )</h4>

        <button type="submit" class="btn btn-primary
btn-success">Know More </button> <br> <hr>

                        </div>



                    </div>

            </div>  <br>


     <div style="width: 600px;">
```

```html
<!-- Left-aligned -->

<div class="media">

  <div class="media-left">

    <img
src="images/img_avatar1.png"class="media-object"
style="width:60px">

  </div>

  <div class="media-body">

    <h4 class="media-heading">Name
    :

Kavi</h4>

    <h5 class="media-heading"> Qualification : B.E
(Computer Science Engineering )</h4>

    <button type="submit" class="btn btn-primary
btn-success">Know More </button> <br> <hr>

  </div>

</div>  <br>


<div style="width: 600px;">

  <!-- Left-aligned -->

  <div class="media">

    <div class="media-left">
```

```html
                                          <img
src="images/img_avatar1.png"class="media-object"
style="width:60px">
```

```html
    Ram</h4>
              </div>

              <div class="media-body">

                 <h4 class="media-heading">Name :
```

```html
<h5 class="media-heading"> Qualification : B.E

    (Computer Science Engineering )</h4>

              <button type="submit" class="btn btn-primary
    btn-success">Know More </button> <br> <hr>

                       </div>

                    </div>

                 </div>   <br>

      </div>

    </div>

    </div>
```

```
<script>

  $(document).ready(function(){

    $("#myInput").on("keyup", function()

    { var value =

    $(this).val().toLowerCase();

    $("#myDIV *").filter(function() {

$(this).toggle($(this).text().toLowerCase().indexOf(value) >
-1)

    });

    });

  });

  </script>

</body>

</html>
```

GITHUB & PROJECT DEMO LINK:

All the tasks of developing the application were uploadedon the github.
The github has been uploaded below.

Github: https://github.com/IBM-EPBL/IBM-Project-8365-1658916304

Demo Link:

https://drive.google.com/file/d/1NU80xiRQmtWhEjGMgTHAngRslJUGkDl6/view?usp=drivesdk