SKILL AND JOB RECOMMENDER

USING CLOUD

A Project report submitted in partial fulfilment of 7th semester in degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING

Submitted by

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NOV-2022

BONAFIDE CERTIFICATE

Certified that this project report **" SKILL AND JOB RECOMMENDER"** is the bonafide record work done by **Mr JEGAN.T**(**814819104012**), **Mr GNANAMOORTHY.R**(**814819104009**), **Mr MANIKANDAN.D**(**814819104017**), and **Mr DESIKAN.E(814819104008)** for **IBM-NALAIYATHIRAN** in **VII** semester of **B.E.,** degree course **in ComputerScience and Engineering** branch during the academic year of **2022 - 2023**.

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Head of the Department
Dr.S.Jayanthi

ACKNOWLEDGEMENT

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Jegan T

Manikandan D

Gnanamoorthy R

Desikan E

1. INTRODUCTION

1.1 Project overview

This Project view provides an overview of the skill and job recommended for individuals interested in a career in any fields. It discusses the important role that any field plays in businesses and the various skills that are necessary for success in this field. It also outlines the different job opportunities available in any field and the different types of companies that employ any field professionals.

1.2 Purpose

Having lots of skills but wondering which job will best suit you ? Don't need to worry! we have come up with a skill recommender solution through which the fresher or the skilled person can login and find the jobs by using search option or they can directly interact with the chatbot and get their dream job.

To develop an end to end web application capable o displaying the current job openings based on the skillset 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 the recommendations based on his skills.We can use job search API to get the current job openings in the market which will fetch the data directly from the webpage.

2. LITERATURE SURVEY

2.1 Existing problem

1. Students/Job seekers find their desired job based on their skillset.

2. Integrating Intelligent CHATBOT for job recommendation application.

3. A study of LinkedIn as an Employment Tool for Job seeker & 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 homepage: http://www.ijrpr.com/ ISSN 2582-7421

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

2.3 Problem Statement Definition

Dealing with the enormous amount of recruiting information on the internet, a job seeker always spends hours to find useful ones. Many times, people who lack industry knowledge are unclear about what exactly they need to learn in order to get a suitable job for them. We address the problem of recommending suitable jobs to people who are seeking a new job.

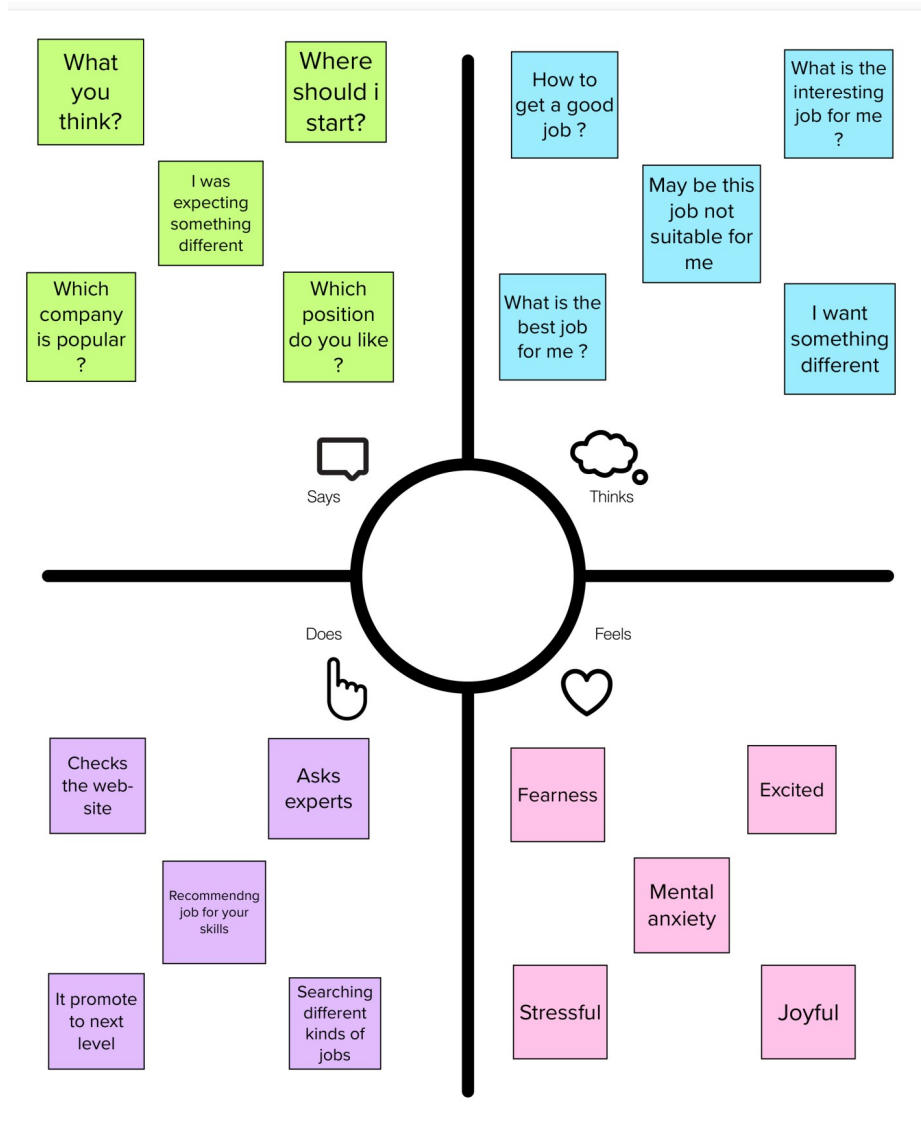Job recommender technology aims to help job seekers in finding jobs that match their skills.

The internet caused a substantial impact on the recruitment process through the creation of e-recruiting platforms that become a primary recruitment channel in most companies. While companies established job positions on these portals, job-seeker uses them to publish their profiles. E-Recruitment platforms accomplished clear advantages for both recruiters and job-seekers by reducing the recruitment time and advertisement cost .Recommender system technology aims to help users in finding items that match their preferences; it has a successful usage in a wide-range of applications to deal with problems related to information overload efficiently. In order to improve the e-recruiting functionality, many

recommender system approaches have been proposed. This paper will analyze e-recruiting process and related issues for building personalized recommender system of candidates.

3. IDEATION & PROPOSED SOLUTION

3.1 Empathy Map Canvas

Says
- What you think?
- Where should i start?
- I was expecting something different
- Which company is popular ?
- Which position do you like ?

Thinks
- How to get a good job ?
- What is the interesting job for me ?
- May be this job not suitable for me
- What is the best job for me ?
- I want something different

Does
- Checks the web-site
- Asks experts
- Recommendng job for your skills
- It promote to next level
- Searching different kinds of jobs

Feels
- Fearness
- Excited
- Mental anxiety
- Stressful
- Joyful

3.2 Ideation and Brainstroming

3.3 Proposed Solution

Team ID   **PNT2022TMID46086**

PROJECT NAME   **SKILL & JOB RECOMMENDER**

S.NO

	PARAMETER	DESCRIPTION
1.	Problem Statement (Problem to be solved)	Nowadays a lot of students have great skills but unable to get a desired/appropriate job, so an end-to-end web application can be created which is capable of displaying current job openings based on user skill set making it easier to hire and get hired.
2.	Idea/solution description	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. Though we have a lot of job searching applications, this one is unique because, ❖ We have a smart chatbot built with IBM Watson

3.	**Novelty/Uniqueness**	❖ Our platform not only helps in getting job but also helps in developing skills to get right job ❖ Here you can save/bookmark jobs for later use and also turn on notification for company specific job alerts ❖ Add media files to your profile to showcase your achievements ❖ It is made responsive to all screen sizes
4.	**Social Impact/ Customer Satisfaction**	Students will be benefited as they will get to know which job suits them based on their skill set and therefore Lack of Unemployment can be reduced.
5.	**Business Model (Revenue Model)**	We can provide the application for job seekers in a subscription based and we can share the profiles with companies and generate the revenue by providing them best profiles.
6.	**Scalability of the Solution**	Data can be scaled up and scaled down according to number of current job openings available.

3.4 Problem Solution Fit

1. CUSTOMER SEGMENT(S)

1. Students who are looking forward for internships to improvise their skills.

2. Freshers who have no experience but have skills and a seeking for a job

3. Experienced people who are looking forward to upgrade them professionally

4. Professionals who are expecting work from home

5. Technical and non-technical job seekers

2. JOBS-TO-BE-DONE & PROBLEMS

1. People want to know about all the job openings at their own pace

2. Need for a one stop destination where all kind of jobs can be found

3. Alert mechanism to not miss any appropriate job openings

3. TRIGGER

1. People want a one stop destination where they can find all the job listings available

2. People want a easy search engine that will make things easier to find the compatibility of their skills and the job description

4. EMOTIONS: BEFORE / AFTER

1. Job seekers found searching a job as a burden and could not accomplish the act of finding their expectations in the job making them stressed

2. The user friendly UI and alert mechanism builds a trust and eases the pain of searching a job for the requirement

5. AVAILABLE SOLUTION

1. Breezy is a cloud based recruiting and applicant tracking platform for small and mid-size businesses

2. Bootstrap is used to create a branded career sight and distribute listings to over 50 job boards

3. Go-hire is an all in one talent hiring platform that includes features to help advertise openings, attract applicants and make informed hiring decision

6. CUSTOMER CONSTRAINT

1. To visit on-site each time in search of job

2. Need to search different website each time they need to apply a job

3. Manually filtering the job based on their skill-set

4. Need to find the relevant job

7. BEHAVIOUR

1. People use different websites to access different resources which consumes time and are manually required to check the compatibility of their skills and job description

2. Job seekers were forced to constantly use their mobile to check the new job postings

8. CHANNELS OF BEHAVIOUR

1. Advertise online with influencers
2. Make a tie-up with top recruiters
3. Officially taking over high educational institutions placements
4. Testimonies

9. PROBLEM ROOT CAUSE

1. They need to visit each and every company in person every time

2. Online websites available are specific for each company and consumes time

3. Other applications available are complex for the user to handle

4. Missing valuable opportunities due to lack of time management

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

DATA FLOW DIAGRAM

A data flow diagram (DFD) maps out the flow of information for any process or system. It uses defined symbols like rectangles, circles and

arrows, plus short text labels, to show data inputs, outputs, storage points and the routes between each destination. Data flowcharts can range

from simple, even hand-drawn process overviews, to in-depth, multi-level DFDs that dig progressively deeper into how the data is handled
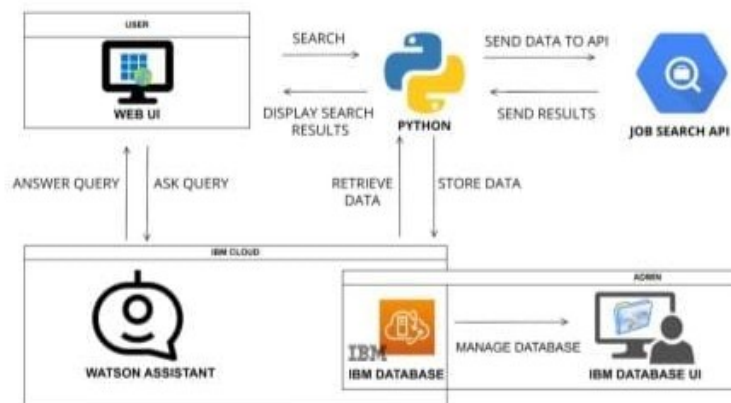
5.2 Solution & Technical Architecture

SOLUTION ARCHITECTURE
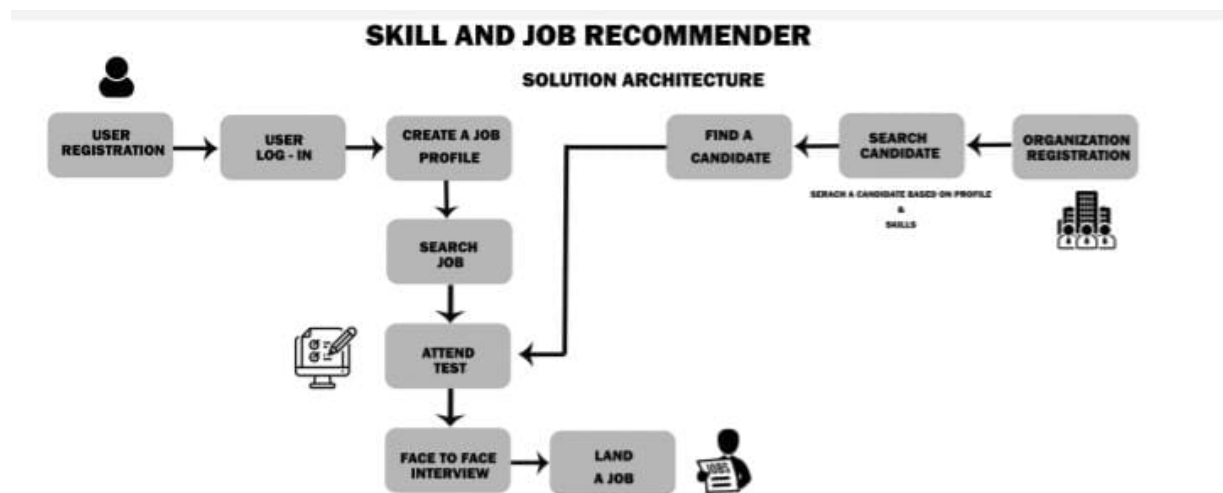
TECHNICAL ARCHITECTURE

TECHNICAL ARCHITECTURE
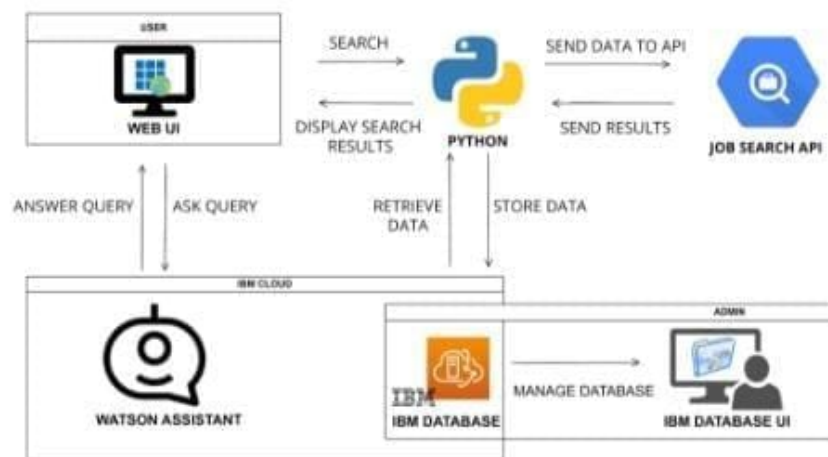
5.3 User Stories

SPRINT	FUNCTIONAL REQUIREMENT (EPIC)	USER STORY NUMBER	DESCRIPTION	STORY POINTS	PRIORITY	TEAM MEMBERS
Sprint-1	Login (Job Seeker)	USN-1	User must login to look for a suitablejob	10	High	Jegan , Gnanamoorthy
Sprint-1	Login (Organization)	USN-2	Organization can find a candidate for theirOrganization	10	High	Manikandan, Desikan
Sprint-2	Dashboard	USN-3	User can create their job profile & look for job by attending eligible test. If usergets required mark, They will be invited to participate ininterview.	20	Low	Gnanamoorthy
Sprint-3	Dashboard	USN-4	Organization can look for candidatebased on their skill set	20	Medium	Jegan
Sprint-4	Chat BOT	USN-5	If User faces any difficulties,they can get help by Chabot	20	High	Manikandan, Desikan

6. PROJECT PLANNING & SCHEDULING

6.1 Sprint Planning & Estimation

SPRINT	FUNCTIONAL REQUIREMENT (EPIC)	USER STORY NUMBER	DESCRIPTION	STORY POINTS	PRIORITY	TEAM MEMBERS
Sprint-1	Login (Job Seeker)	USN-1	User must login to look for a suitablejob	10	High	Jegan , Gnanamoorthy
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Sprint-4	Chat BOT	USN-5	If User faces any difficulties,they can get help by Chabot	20	High	Manikandan, Desikan

6.2 Sprint Delivery Schedule

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

VELOCITY:
    Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let'scalculate the team's average velocity (AV) per iteration unit (story points per day)

6.3 Report from JIRA

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

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>

</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>
```

```html
        </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">
        </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>
```

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



            <div class="form-group">
              <label for="experience">How many years of work experience do you have
?</label>
              <input type="text" class="form-control" id="experience" value="0">
            </div>

            <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 high
school 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="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 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">
    <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>

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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>
```

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

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

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


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

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

```html
    </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>
```

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 flask
app.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=mTTnIE45
Raj9A0rr",'','')


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

def dashboard():
    return render_template("dashboard.html") #rendering our home.html contained
within /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']
```

```python
        tum.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,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)
      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'))
```

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/css/bootst
rap.min.css">

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

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

```html
        <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">Company
Profile</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 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">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>

   </div>



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

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

     <br>
```

```html
        <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">

                                <i class="glyphicon glyphicon-
search"></i>

                              </button>

                          </div>

                        </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>
```

```html
            <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">

                          <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>
```

```html
                              <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>
                     </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 : 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(value)
> -1)

    });

    });

  });

  </script>

</body>

</html>
```

CHATBOT :

Chatbot has been implemented to provide assistance .

```
window.watsonAssistantC
hatOptions = {
                    integrationID: "d73273d3-3f44-4304-
                    84ee-8fd243016d1d", // The ID of this
                    integration.
                        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(function(){
                                    const
                                    t=document.createElement('script');
                                        t.src="https://web-
                                    chat.global.assistant.watson.appdomain.
                                    cloud/versions/" +
                                    (window.watsonAssistantChatOptions.clie
                                    ntVersion || 'latest') +
                                    "/WatsonAssistantChatEntry.js";
                                        document.head.appendChild(t);
                                      });
```

7.3 Database Schema(if Applicable) :

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

# from_address we pass to our Mail object, edit with your name
FROM_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.headers
        print(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)
```

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

8. TESTING

8.1 Test Cases
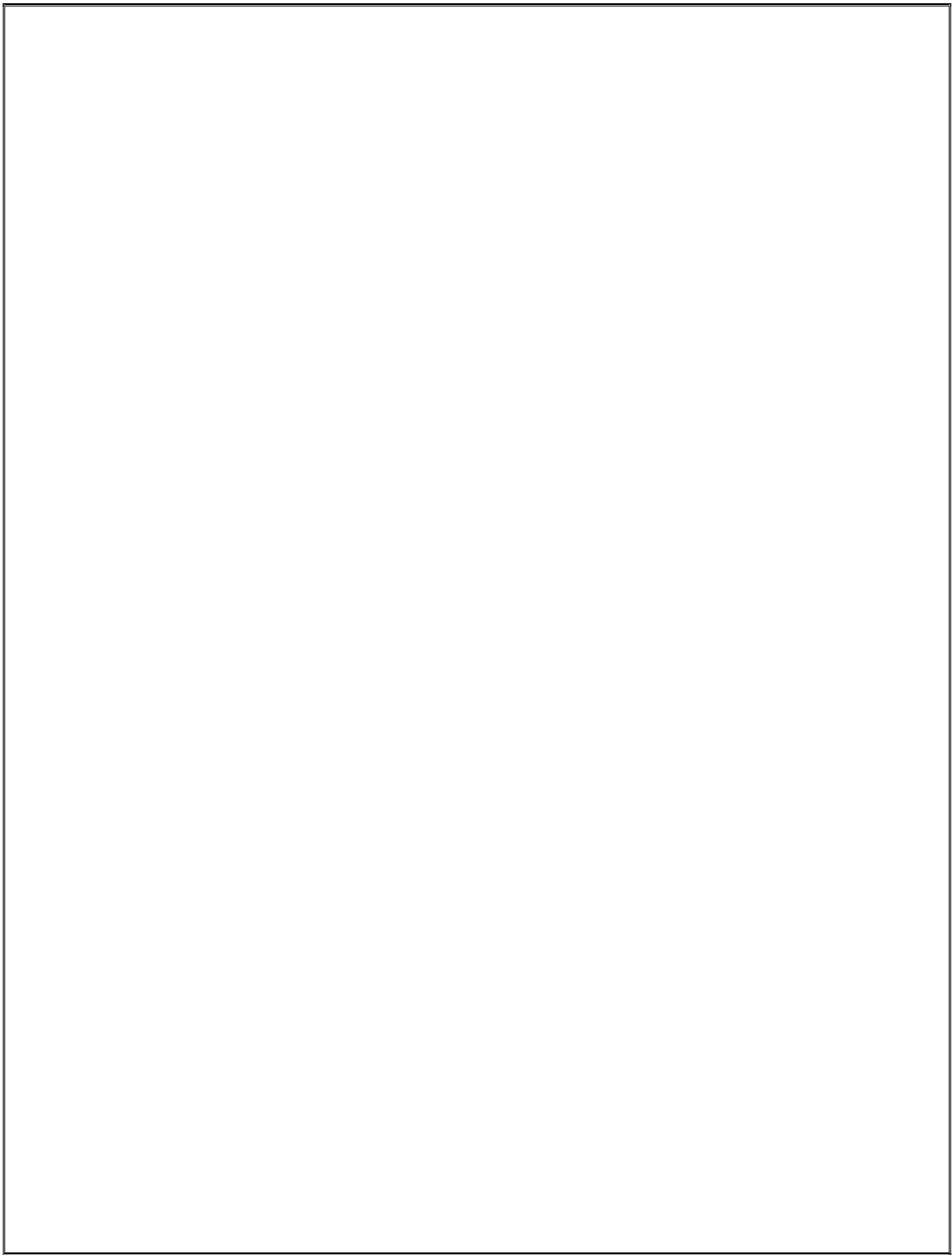
8.2 User Acceptance Testing

9. RESULTS

The project has been completed as we expected.

We ensured that Database was designed and well connected to our project.

The Expected results were gotten.

10. ADVANTAGES & DISADVANTAGES

ADVANTAGES:

- ➢ Person who looks for a job can easily find a suitable job based on their skill set.
- ➢ Person can check their eligibility by attending eligibility test.
- ➢ Most of the Recruiters find the suitable person based on the scores they have gotten in the eligibility.

DISADVANTAGES

- ➢ Person Job May get technical difficulty while taking the eligibility

➢ Job seeker may have trouble to contact recruiters directly.

➢

11. CONCLUSION

The application has been developed to make job search easier .

The application that we have developed is user friendly .

User can find a job based on their skillset in the short period of time. The jobseeker certainly get benefit by using this application.

In the addition,Chatbot Has been implemented with the help of IBM whatson . The chatbot helps jobseeker and organization when they experience the difficulties.

12. FUTURE SCOPE

The linked in the wellknown application to find a job and stay connected with professional and organization.

The job seekers and organization use linked in to find a job.

In the future , There are lots of possibilities to enhance our project similar to linked in.

13. APPENDIX

SOURCE CODE

Sprint 1:

Index.html

```html
<!DOCTYPEhtml>
                <html lang="en">
                  <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:whitesmoke;
                    }
                  </style>
                    <body>

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

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

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


                              <center><img
src="images/logo.png" class="img-responsive"
width="20%"  height="20%"> </center> <HR>
                                <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="Enter Your Registered
Email ID" required>
                                    </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" 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>

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

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

SIGN UP.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;
              }
          </style>
              <body>

                  <div class="container">

                              <div
        class="pad">
                                      <h3
        class="bold">CREATE AN ACCOUNT</h3>
                                          <HR>

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

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

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

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

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

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

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

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

```html
                    </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>


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

BACK END :

```
import os
import ibm_db
import bcrypt
#import send_from_directory
app = Flask(__name__) #initialising flask
app.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;P
ORT=32733;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRoo
tCA.crt;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("home.html") #rendering our
home.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='Please
fill 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='Invalid Credentials')
```

```python
            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']
            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['firstname']
        middlename=request.form['middlename']
        lastname=request.form['lastname']
        dob=request.form['dob']
        age=request.form['age']
        drno=request.form['drno']
        landmark1=request.form['lnmk1']
        landmark2=request.form['lnmk2']
        village =request.form['village']
        district=request.form['district']
        pincode=request.form['pincode']
        country=request.form['country']
        country_code=request.form['countryCode']
        phone=request.form['phone']
        schlname10=request.form['schlname10']
        maxmark10=request.form['maxmark10']
        actmark10=request.form['actmark10']
        schlname212=request.form['schlname212']
        maxmark212=request.form['maxmark212']
        actmark212=request.form['actmark212']
        clgname=request.form['clgname']
        clgmaxmark=request.form['clgmaxmark']
        clgactmark=request.form['clgactmark']
        stream=request.form['stream']
        graduation=request.form['graduation']
        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['expyears']
    designation=request.form['designation']
    tum = request.files['resume']

tum.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,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 our
register.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', None)
    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 (Initalised
     on 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>

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

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

  </head>

  <style>

    .pad{

        padding-top: 40%;

    }

    .bold{

        font-weight: bolder;
```

```css
        }


    .backgroundcolour{

        background-color: beige;

    }


    .font{


        font-weight: bolder;

        color:whitesmoke;

    }


</style>


    <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="Enter
Your 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>



                                <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>
```

```html
        <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 ">
```

```html
<center><img
src="images/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="Enter
Your Registered Email ID" required>

                                </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" required>

                                </div>


                                <hr>


                                <div class="row">

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

```html
                                                    <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>

                                                </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

```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 Email
Addtress">
                    </div>
                    <div class="form-group">
                      <label
for="pwd">OTP</label>
                      <input type="password"
class="form-control" id="pwd" placeholder="Enter
your 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">

                  </head>

                  <style>

                    .pad{

                        padding-top: 10%;
```

```
                    padding-bottom: 10%;

                }

                .bold{

                    font-weight: bolder;

                }

        </style>

            <body>


                    <div class="container">


                                    <div
        class="pad">

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

                                        <HR>


                <form>

                                        <div
        class="form-group">


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


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


                </div>

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

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


        <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>

                          <div
class="form-group">


        <label for="repwd">Reenter
```

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

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

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

    </body>

</html>
```

HOME PAGE :

Forgot password.html

```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%;

            }

            .bold{

             font-weight: bolder;

            }

  </style>

            <body>

              <div class="container">


                    <div class="pad">
```

```html
            <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 Email
Adddtress">

                    </div>

                    <div class="form-group">

                        <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>


        <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">

  </head>

  <style>

                .pad{

                 padding-top: 10%;

        padding-bottom: 10%;

                }


                .bold{

                 font-weight: bolder;

                }


  </style>



                <body>



                  <div class="container">
```

```html
<div class="pad">
    <h3 class="bold">CREATE AN ACCOUNT</h3>
    <HR>
    <form>
        <div class="form-group">
            <label for="name">First Name</label>
            <input type="name" class="form-control" id="name" placeholder="Enter Your First Name">
        </div>

        <div class="form-group">
            <label for="name">Last Name</label>
            <input type="name" class="form-control" id="name" placeholder="Enter Your Last Name">
        </div>

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

```html
                                        <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>


                        <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>
```

```html
                                    <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"></script>

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

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

            </body>

    </html>
```

BACK END

APP.PY

```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 flask

app.secret_key = ''

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


import ibm_dbconn =
ibm_db.connect("DATABASE=bludb;HOSTNAME=54a2f15b-5c0f-46df-8954-
7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT
=32733;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.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 our
home.html contained within /templates
```

```python
@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='Please
fill 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='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')
```

```python
            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['firstname']

        middlename=request.form['middlename']

        lastname=request.form['lastname']

        dob=request.form['dob']

        age=request.form['age']

        drno=request.form['drno']

        landmark1=request.form['lnmk1']

        landmark2=request.form['lnmk2']

        village =request.form['village']

        district=request.form['district']

        pincode=request.form['pincode']
```

```python
country=request.form['country']

country_code=request.form['countryCode']

phone=request.form['phone']

schlname10=request.form['schlname10']

maxmark10=request.form['maxmark10']

actmark10=request.form['actmark10']

schlname212=request.form['schlname212']

maxmark212=request.form['maxmark212']

actmark212=request.form['actmark212']

clgname=request.form['clgname']

clgmaxmark=request.form['clgmaxmark']

clgactmark=request.form['clgactmark']

stream=request.form['stream']

graduation=request.form['graduation']

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['position']

experience=request.form['expyears']

designation=request.form['designation']
```

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


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



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


    query = "SELECT EMAIL FROM ORGANIZATION 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 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)
```

```python
        return
render_template('Organization\Create_Account\org_create_account.
html')

    else:

        return
render_template('Organization\Create_Account\org_create_account.
html',error='Invalid Credentials')



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




@app.route("/orgregister")

def orgregister():

    return render_template("org_create_account.html") #rendering
our register.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', None)

    return redirect(url_for('login'))
```

```python
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 (Initalised on
line 4)




    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 (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)
```

```python
        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.watsonAssistantCh
atOptions= {
                        integrationID: "d73273d3-3f44-
                4304-84ee-8fd243016d1d", // The ID of
                this integration.
                    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(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_token

from 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 where

email=?",(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/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>



</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">Profile</a></li>
```

```html
    <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">

          </div>


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

```html
            <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
bachelor Degree?</label>

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

           </div>
```

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

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

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

        </div>


        <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 high school 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>
```

```html
            <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="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>

    <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 the
screen?</label>

                <div class="radio">

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

                        </div>

                        <div class="radio">
```

```html
                        <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 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">
```

```html
        <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">

      <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">
```

```html
                                  <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 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">
            <label>What function is used to display output on the
screen?</label>

                    <div class="radio">

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

```html
                              </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>


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

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

```html
                              <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 -->

                        <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>
```

```html
                    </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>

                            <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">
```

```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">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>
```

```html
                    <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>


</html>
```

BACK END :

```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 flask

app.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;

SSLServerCertificate=DigiCertGlobalRootCA.crt;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 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']
```

```python
        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']


tum.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,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>

  <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/bootst
rap.min.css">

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

  <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstra
p.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">Company
Profile</a></li>

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

```html
      </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">

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

```html
            </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>

    </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">
                                <i class="glyphicon glyphicon-
search"></i>
                          </button>
                        </div>
                  </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>

<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>
```

```html
                    </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">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>

                  </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">
```

```html
                                              </div>

                              <div class="media-body">

                                  <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(value) > -1)

    });

    });

  });

  </script>

</body>

</html>
```

GITHUB & PROJECT DEMO LINK:

All the tasks of developing the application were uploaded on the github.

The github has been uploaded below.

https://github.com/IBM-EPBL/IBM-Project-4347-1658729356