

PROJECT DEVELOPMENT PHASE

SPRINT-III

Team ID	PNT2022TMID44544
Project Title	Skill/job Recommender Application
Date	19-11-2022

app.py

```
import bcrypt
import ibm_db
from sendmail import *
from flask import Flask, redirect, render_template, request, session, url_for

ibm_db.connect("DATABASE=bludb;HOSTNAME=98538591-7217-4024-b027-8baa776ffad1.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud;PORT=30875;PROTOCOL=TCPIP;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=fxm42113;PWD=XHzCZLrUPYhyRiHW;", "", "")

app = Flask(__name__)
app.secret_key = b'_5#y2L"F4Q8z\n\xec]/'

@app.route("/", methods=['GET'])
def home():
    if 'email' not in session:
        return redirect(url_for('apply'))
    return render_template('apply.html', name='Home')
@app.route("/apply")
def index():
    return render_template('index.html')
@app.route("/index1")
def index1():
    return render_template('index1.html')

@app.route("/job_details")
def job_details():
    return render_template('job_details.html')

@app.route("/job_details1")
def job_details1():
    return render_template('job_details1.html')

@app.route("/job_details2")
```

```

def job_details2():
    return render_template('job_details2.html')

@app.route("/job_details3")
def job_details3():

    return render_template('job_details3.html')

@app.route("/job_details4")
def job_details4():
    return render_template('job_details4.html')

@app.route("/job_details5")
def job_details5():
    return render_template('job_details5.html')

@app.route("/job_details6")
def job_details6():
    return render_template('job_details6.html')

@app.route("/job_listing")
def job_listing():
    return render_template('job_listing.html')

@app.route("/about")
def about():
    return render_template('about.html')


@app.route("/registration",methods=['GET','POST'])
def register():
    if request.method == 'POST':
        name = request.form['name']
        phn = request.form['phn']
        email = request.form['email']
        psw = request.form['psw']

        if not name or not email or not phn or not psw:
            return render_template('registration.html',error='Please fill all fields')
        hash=bcrypt.hashpw(psw.encode('utf-8'),bcrypt.gensalt())
        query = "SELECT * FROM user_detail WHERE email=? OR phn=?"
        stmt = ibm_db.prepare(conn, query)
        ibm_db.bind_param(stmt,1,email)
        ibm_db.bind_param(stmt,2,phn)
        ibm_db.execute(stmt)

```

```

print(stmt)
isUser = ibm_db.fetch_assoc(stmt)
if not isUser:
    insert_sql = "INSERT INTO user_detail(name, email, phn, psw) VALUES (?, ?, ?, ?)"
    prep_stmt = ibm_db.prepare(conn, insert_sql)
    ibm_db.bind_param(prepare_stmt, 1, name)
    ibm_db.bind_param(prepare_stmt, 2, email)
    ibm_db.bind_param(prepare_stmt, 3, phn)
    ibm_db.bind_param(prepare_stmt, 4, hash)
    ibm_db.execute(prepare_stmt)

    sendMailUsingSendGrid(API,from_email,to_emails,subject,html_content)
    return render_template('registration.html',success="You can login")
else:
    return render_template('registration.html',error='Invalid Credentials')

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

@app.route("/login",methods=['GET','POST'])
def login():
    if request.method == 'POST':
        email = request.form['email']
        psw = request.form['psw']

        if not email or not psw:
            return render_template('login.html',error='Please fill all fields')
        query = "SELECT * FROM user_detail 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,psw)

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

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

        if not isPasswordMatch:
            return render_template('login.html',error='Invalid Credentials')

        session['email'] = isUser['EMAIL']
        return redirect(url_for('home'))

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

@app.route("/apply",methods=['GET','POST'])
def apply():
    if request.method == 'POST':

```

```

name = request.form['name']
email = request.form['email']
psw = request.form['password']
age = request.form['age']
job = request.form['job']
interest = request.form['interest']

if not name or not email or not psw:
    return render_template('apply.html',error='Please fill all fields')
hash=bcrypt.hashpw(psw.encode('utf-8'),bcrypt.gensalt())
query = "SELECT * FROM applyform WHERE email=? OR psw=?"
stmt = ibm_db.prepare(conn, query)
ibm_db.bind_param(stmt,1,email)
ibm_db.bind_param(stmt,2,psw)
ibm_db.execute(stmt)
isUser = ibm_db.fetch_assoc(stmt)
if not isUser:
    insert_sql = "INSERT INTO admin_detail(name, email, psw,age,job,interest) VALUES
(?,?,?,?,?,?)"

    prep_stmt = ibm_db.prepare(conn, insert_sql)
    ibm_db.bind_param(prepare_stmt, 1, name)
    ibm_db.bind_param(prepare_stmt, 2, email)
    ibm_db.bind_param(prepare_stmt, 3, psw)
    ibm_db.bind_param(prepare_stmt, 4, age)
    ibm_db.bind_param(prepare_stmt, 5, job)
    ibm_db.bind_param(prepare_stmt, 6, interest)
    ibm_db.execute(prepare_stmt)
    return render_template('apply.html',success="You can login")
else:
    return render_template('apply.html',error='Invalid Credentials')

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

if __name__ == "__main__":
    app.run(debug=True)

```

Viewjobs.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JOBPORTAL | HOME</title>
  <meta charset="UTF-8">
  <!-- favicon -->
  <!-- <link rel="shortcut icon" href="/assets/img/favicon.ico" type="image/x-
icon"> -->
  <!-- <link rel="icon" href="/assets/img/favicon.ico" type="image/x-icon"> -->
  <link rel="icon" type="image/png" sizes="16x16" href="/assets/img/favicon-
32x32.png">
  <!-- bootstrap css cdn -->
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z"
crossorigin="anonymous">
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.css">
  <!-- css stylesheet -->
  <link rel="stylesheet" href="{url_for('static',filename='css/style.css') }">
  <!-- font styles cdn -->
  <link rel="preconnect" href="https://fonts.gstatic.com">
  <link href="https://fonts.googleapis.com/css2?family=Alegreya&display=swap"
rel="stylesheet">
  <link
href="https://fonts.googleapis.com/css2?family=Alegreya:wght@600&display=swap"
rel="stylesheet">
</head>
<div class="image">
  <style>
    body {
      background-image: url('img6.jpg');
      background-repeat: no-repeat;
      background-attachment: fixed;
      background-size: cover;
    }
  </style>

</style>
<script>
  window.watsonAssistantChatOptions = {
    integrationID: "7bb0dbd6-2b28-4c7f-9e76-a9347dc3d1cc", // The ID of this
integration.
```

```

        region: "au-syd", // The region your integration is hosted in.
        serviceInstanceID: "10e6c64e-74a9-4d0e-a73b-9bbaa6d8424f", // 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.clientVersion || 'latest') +
"/WatsonAssistantChatEntry.js";
        document.head.appendChild(t);
    });
</script>

<body>
    <!-- bootstrap navbar -->
    <nav class="navbar sticky-top navbar-expand-lg navbar-light">
        <div class="container-fluid">
            <a class="main-logo-img mt-3" href="#">
                <!-- <a class="navbar-brand" href="index.html">JobPortal</a> -->
            </a>
            <button class="navbar-toggler" type="button" data-bs-toggle="collapse"
data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
                <span class="navbar-toggler-icon"></span>
            </button>

            <div class="row donate-sponsor">
                <a type="button" class="btn btn-success mr-1" id="donate"
href="login_1.html">LOGOUT</a>
                <a type="button" class="btn btn-warning mr-1" id="sponsor"
href="register_1.html">REGISTER</a>
                <a type="button" class="btn btn-primary mr-1" id="sponsor"
href="myjobs_1.html">MY JOBS</a>
            </div>
        </div>
    </nav>
    <!-- navbar ends -->

    <!-- what we focus on -->
    <section class="our-focus">
        <div class="container">
            <center>
                <h2 style="color:red">Available Jobs!!</h2>
            </center>
            <h2 class="text-center mt-3"></h2>
            <div class="row ml-3 mt-3">
                <div class="col-lg-3 mr-5" id="focus-first">
                    <div class="card" style="width: 19rem;">

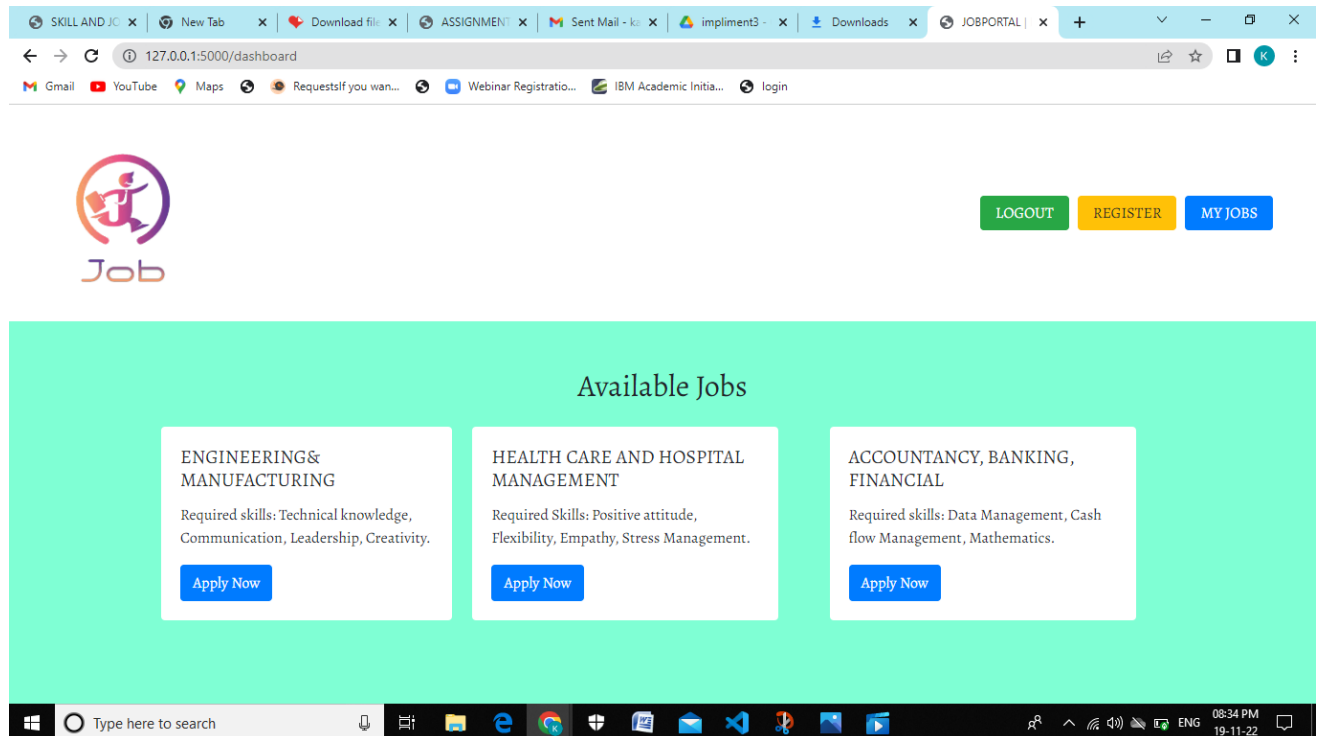
```

```

        <!--  -->
        <div class="card-body">
            <h5 class="card-title">ENGINEERING& MANUFACTURING</h5>
            <p class="card-text"> Required skills: Technical knowledge,
Communication, Leadership, Creativity.
            </p>
            <a href="apply" class="btn btn-primary">Apply Now</a>
        </div>
    </div>
</div>
<div class="col-lg-3 mr-5" id="focus-second">
    <div class="card" style="width: 20rem;">
        <!--  -->
        <div class="card-body">
            <h5 class="card-title">HEALTH CARE AND HOSPITAL MANAGEMENT</h5>
            <p class="card-text">Required Skills: Positive attitude,
Flexibility, Empathy, Stress Management.</p>
            <a href="apply" class="btn btn-primary">Apply Now</a>
        </div>
    </div>
</div>
<div class="col-lg-3 ml-5" id="focus-third">
    <div class="card" style="width: 20rem;">
        <!--  -->
        <div class="card-body">
            <h5 class="card-title">ACCOUNTANCY, BANKING, FINANCIAL </h5>
            <p class="card-text"> Required skills: Data Management, Cash flow
Management, Mathematics.</p>
            <a href="apply" class="btn btn-primary">Apply Now</a>
        </div>
    </div>
</div>
</div>
</section>
<!-- focus section ends -->

<!-- footer starts -->
<!-- Site footer -->
</body>
</html>

```



login.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JOBPORTAL | LOGIN</title>
  <link rel="stylesheet" href="style.css">
  <!-- favicon -->
  <!-- <link rel="shortcut icon" href="/assets/img/favicon.ico"
type="image/x-icon"> -->
  <!-- <link rel="icon" href="/assets/img/favicon.ico"
type="image/x-icon"> -->
  <link rel="icon" type="image/png" sizes="16x16"
href="/assets/img/favicon-32x32.png">
  <!-- bootstrap css cdn -->
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min
.css" integrity="sha384-
```



```

JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z"
crossorigin="anonymous">
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-
awesome.css">
    <!-- css stylesheet -->
    <link rel="stylesheet"
href="{{url_for('static',filename='css/style.css')} }}">
    <!-- font styles cdn -->
    <link rel="preconnect" href="https://fonts.gstatic.com">
    <link
href="https://fonts.googleapis.com/css2?family=Alegreya&display=swap"
rel="stylesheet">
    <link
href="https://fonts.googleapis.com/css2?family=Alegreya:wght@600&display=s
wap" rel="stylesheet">
</head>
<style>
    body {
        background-image: url('img12.jpg');
        background-repeat: no-repeat;
        background-attachment: fixed;
        background-size: cover;
    }
</style>

</style>
<script>
    window.watsonAssistantChatOptions = {
        integrationID: "7bb0dbd6-2b28-4c7f-9e76-a9347dc3d1cc", // The ID of
this integration.
        region: "au-syd", // The region your integration is hosted in.
        serviceInstanceID: "10e6c64e-74a9-4d0e-a73b-9bbaa6d8424f", // 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/" +

```

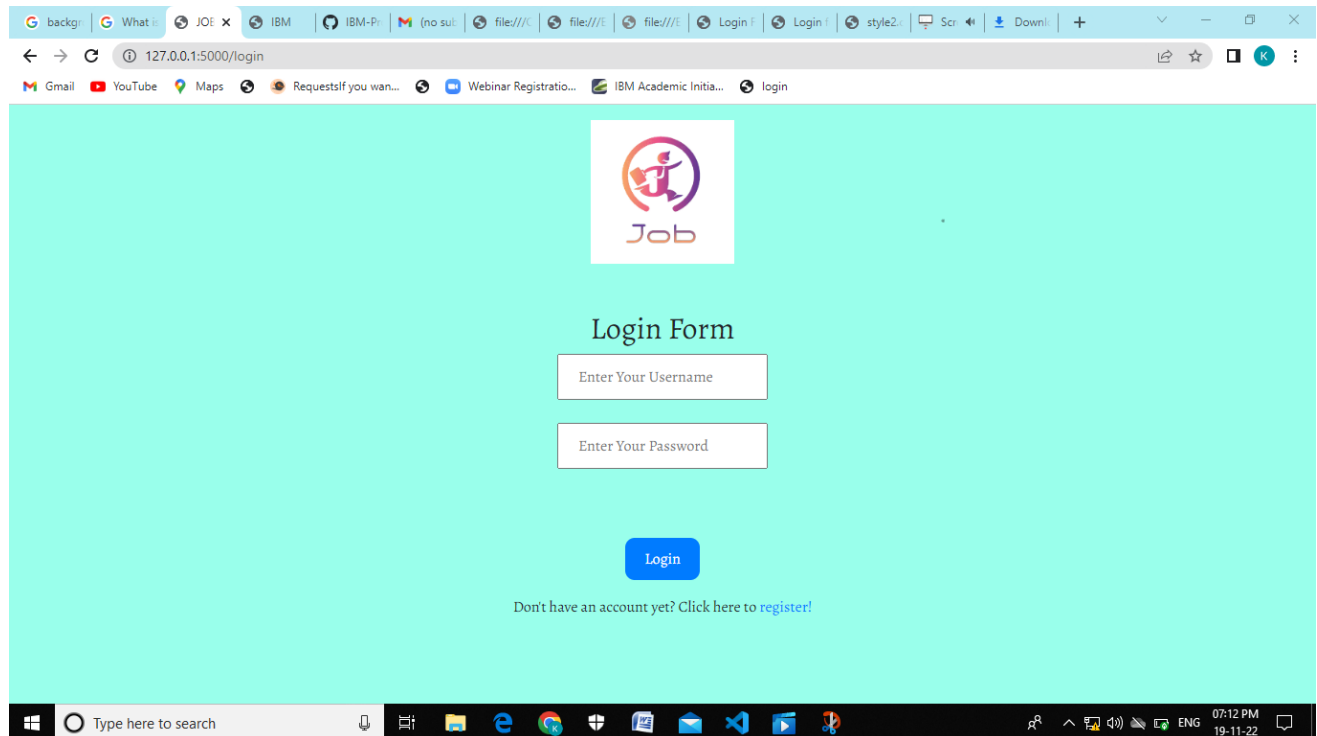
```

(window.watsonAssistantChatOptions.clientVersion || 'latest') +
"/WatsonAssistantChatEntry.js";
    document.head.appendChild(t);
  });
</script>
<body>
  <!-- bootstrap navbar -->
  <div class="logo mt-3 text-center">
    <a class="main-logo-img mt-5" href="#">
      <!-- <a class="navbar-brand" href="index.html">JobPortal</a> -
->
      </a>
    </div>
    <!-- navbar ends -->
    <!-- Login form -->
    <div class="login text-center mt-5">
      <h2> Login Form </h2>
      <form action="/login" method="post">

        <input type="text" name="username" placeholder="Enter Your
Username" id="username" required></br></br>
        <input type="password" name="password" placeholder="Enter Your
Password" id="password" required></br></br>
        <br>
        <br>
        <button type="submit" id="button" class="btn btn-primary"> Login
</button>
      </form>
    </div>

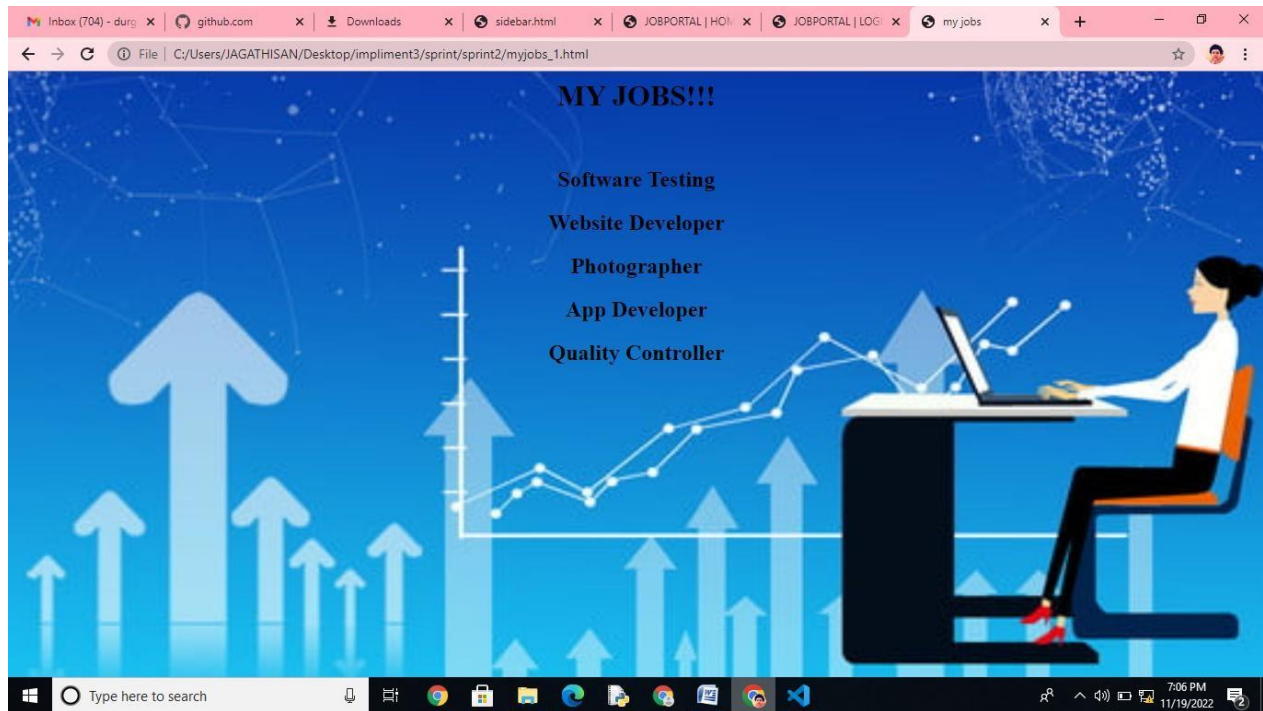
    <div class="note mt-3 text-center"> <!--Register form -->
    <h2> Don't have an account yet? Click here to <a
href="register.html">register! </a> </h2>
    </div>
  </body>
</html>

```



myjobs.html

```
<html>
  <head>
    <title>my jobs</title>
  </head>
  <style>
    body {
      background-image: url('img11.jpg');
      background-repeat: no-repeat;
      background-attachment: fixed;
      background-size: cover;
    }
  </style>
  <body>
    <center>
      <h1> MY JOBS!!!</h1><br>
      <h2>Software Testing</h2>
      <h2>Website Developer</h2>
      <h2>Photographer</h2>
      <h2>App Developer</h2>
      <h2>Quality Controller</h2>
    </center>
  </body>
</html>
```



register.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JOBPORTAL | LOGIN</title>
  <link rel="stylesheet" href="style.css">

  <!-- favicon -->
  <!-- <link rel="shortcut icon" href="/assets/img/favicon.ico"
type="image/x-icon"> -->
  <!-- <link rel="icon" href="/assets/img/favicon.ico"
type="image/x-icon"> -->
  <link rel="icon" type="image/png" sizes="16x16"
href="/assets/img/favicon-32x32.png">
  <!-- bootstrap css cdn -->
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min
```

```

.css" integrity="sha384-
JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z"
crossorigin="anonymous">
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-
awesome.css">
    <!-- css stylesheet -->
    <link rel="stylesheet"
href="{{url_for('static',filename='css/style.css')}}">
    <!-- font styles cdn -->
    <link rel="preconnect" href="https://fonts.gstatic.com">
    <link
href="https://fonts.googleapis.com/css2?family=Alegreya&display=swap"
rel="stylesheet">
    <link
href="https://fonts.googleapis.com/css2?family=Alegreya:wght@600&display=s
wap" rel="stylesheet">
</head>
<style>
    body {
        background-image: url('img11.jpg');
        background-repeat: no-repeat;
        background-attachment: fixed;
        background-size: cover;
    }
</style>

</style>
<script>
    window.watsonAssistantChatOptions = {
        integrationID: "7bb0dbd6-2b28-4c7f-9e76-a9347dc3d1cc", // The ID of
this integration.
        region: "au-syd", // The region your integration is hosted in.
        serviceInstanceID: "10e6c64e-74a9-4d0e-a73b-9bbaa6d8424f", // 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.clientVersion || 'latest') +
"/WatsonAssistantChatEntry.js";
        document.head.appendChild(t);
    });
</script>
<body>
    <!-- bootstrap navbar -->
    <div class="logo mt-3 text-center">
        <a class="main-logo-img mt-5" href="#">
            <!-- <a class="navbar-brand" href="index.html">JobPortal</a> -
->

            </a>
        </div>
        <!-- navbar ends -->
        <!-- Login form -->
        <div class="login text-center mt-5">
            <h2> Register Form </h2>
            <form action="/register" method="post">
                <!-- <input type="text" placeholder="fullname" id="fullname">
</br></br> -->

                <input type="text" name="username" placeholder="Enter Your
Username" id="username" required></br></br>
                <input type="email" name="email" placeholder="Enter Your Email ID"
id="email" required></br></br>
                <input type="password" name="password" placeholder="Enter Your
Password" id="password" required></br></br>

                </br>
                </br>
                <a type="button" class="btn btn-success mr-1" id="donate"
href="login.html">REGISTER</a>
            </form>
        </div>

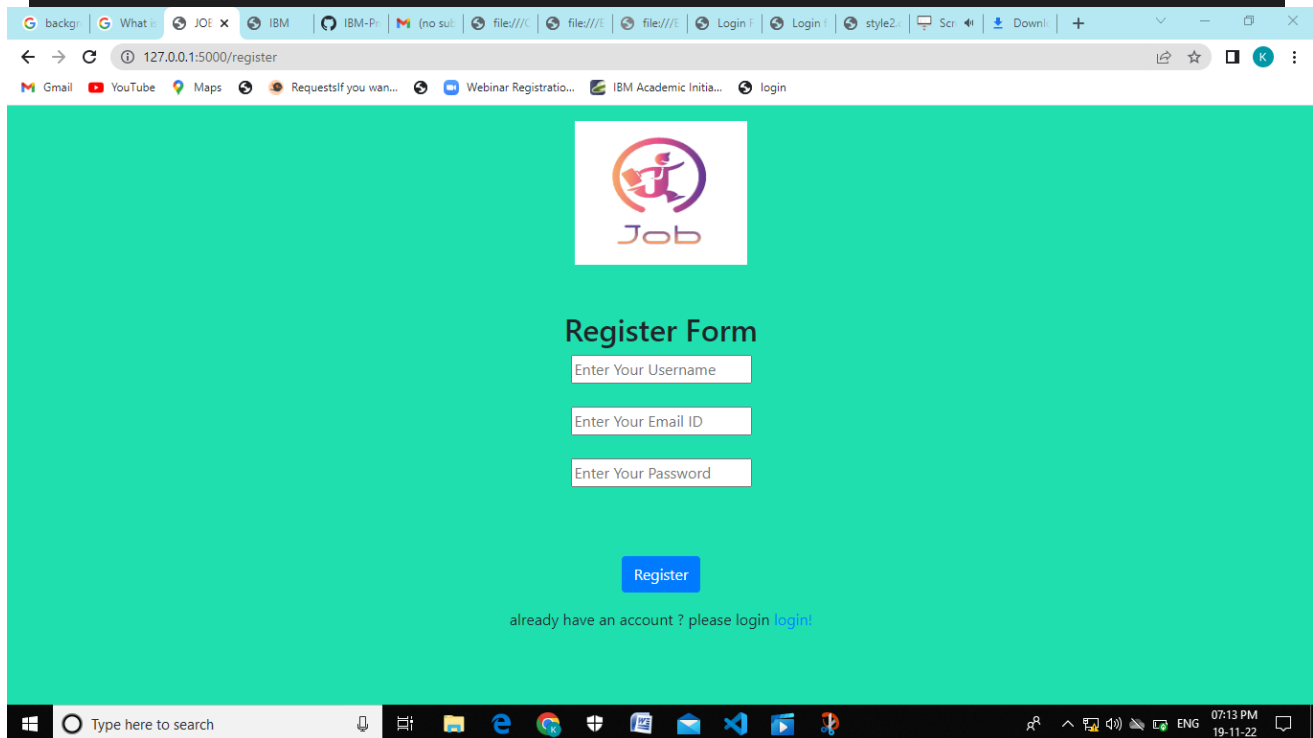
        <div class="note mt-3 text-center"> <!--Register form -->

```

```

    <h2> already have an account ? please login <a
href="login.html">login! </a> </h2>
  </div>
</body>
</html>

```



yorsdetail.html

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JOBPORTAL | HOME</title>
  <link rel="stylesheet" href="style.css">
  <meta charset="UTF-8">
  <!-- favicon -->
  <!-- <link rel="shortcut icon" href="/assets/img/favicon.ico" type="image/x-
icon"> -->
  <!-- <link rel="icon" href="/assets/img/favicon.ico" type="image/x-icon"> -->
  <link rel="icon" type="image/png" sizes="16x16" href="/assets/img/favicon-
32x32.png">
  <!-- bootstrap css cdn -->
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"

```

```

integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z"
crossorigin="anonymous">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.css">
    <!-- css stylesheet -->
    <link rel="stylesheet" href="css/style.css">
    <!-- font styles cdn -->
    <link rel="preconnect" href="https://fonts.gstatic.com">
    <link href="https://fonts.googleapis.com/css2?family=Alegreya&display=swap"
rel="stylesheet">
    <link
href="https://fonts.googleapis.com/css2?family=Alegreya:wght@600&display=swap"
rel="stylesheet">
</head>
<style>
    body {
        background-image: url('img14.jpg');
        background-repeat: no-repeat;
        background-attachment: fixed;
        background-size: cover;
    }
</style>
</style>
<script>
    window.watsonAssistantChatOptions = {
        integrationID: "7bb0dbd6-2b28-4c7f-9e76-a9347dc3d1cc", // The ID of this integration.
        region: "au-syd", // The region your integration is hosted in.
        serviceInstanceID: "10e6c64e-74a9-4d0e-a73b-9bbaa6d8424f", // 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.clientVersion || 'latest') +
"/WatsonAssistantChatEntry.js";
        document.head.appendChild(t);
    });
</script>
<body>
    <!-- bootstrap navbar -->
    <nav class="navbar sticky-top navbar-expand-lg navbar-light">
        <div class="container-fluid">
            <a class="main-logo-img mt-3" href="#">
            <!-- <a class="navbar-brand" href="index.html">JobPortal</a -->
            </a>
            <button class="navbar-toggler" type="button" data-bs-toggle="collapse"
data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">

```




```

        <span class="navbar-toggler-icon"></span>
    </button>
    <div class="row donate-sponsor">
        <a type="button" class="btn btn-success mr-1" id="donate"
href="login_1.html">LOGOUT</a>
        <a type="button" class="btn btn-warning mr-1" id="sponsor"
href="register_1.html">REGISTER</a>
        <a type="button" class="btn btn-primary mr-1" id="sponsor"
href="myjobs_1.html">MY JOBS</a>
    </div>
</div>
</nav>
<!-- navbar ends -->
<!-- what we focus on -->
<section class="our-focus">
    <div class="container">
        <h1 class="text-center mt-3">Your Details</h1>
        <div class="border">
            <table class="worddark"><br></br></br></br>
                <h2>
                    <tr>
                        <td><h3>userid:</h3></td>
                        <td><h3></h3></td>
                    </tr>
                </h2>
                <tr>
                    <td><h3>username:</h3></td>
                    <td><h3></h3></td>
                </tr>
                <tr>
                    <td><h3>Email ID:</h3></td>
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                    <td><h3></h3></td>
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                <tr>
                    <td><h3>skills:</h3></td>
                    <td><h3></h3></td>
                </tr>
                <tr>
                    <td><h3>JOB Applied:</h3></td>
                    <td><h3></h3></td>
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            </table>
        </div>
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</body>
</html>

```

Inbox (x) github (x) Downl: (x) sideba: (x) JOBPC: (x) JOBPC: (x) my job: (x) JOBPC: (x) my job: (x) JOBPC: (x) JOBPC: (x) JOBPC: (x) + -

File C:/Users/JAGATHISAN/Desktop/impliment3/sprint/sprint3/yourdetails_1.html



LOGOUT REGISTER MY JOBS

Your Details

userid:

username:

Email ID:

qualification:

skills:

JOB Applied:

Type here to search

7:16 PM 11/19/2022