

# PROJECT DEVELOPMENT PHASE

## SPRINT-II

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

### app.py

```
import
bcryptimport
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;SEC
URITY=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_details
3")def job_details3():

    return render_template('job_details3.html')

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

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

@app.route("/job_details
6")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_conte
nt)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,emai
l) 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 HYPERLINK
"https://fonts.googleapis.com/css2?family=Alegreya%3Awght%40600&display=swap"
& HYPERLINK
"https://fonts.googleapis.com/css2?family=Alegreya%3Awght%40600&display=swap"
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.watsonAssistantChatOption
  s = {
    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;">

alt="..."> -->

<!-- 
    <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 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 class="col-lg-3 ml-5" id="focus-third">
  <div class="card" style="width: 20rem;">
    <!--  -->

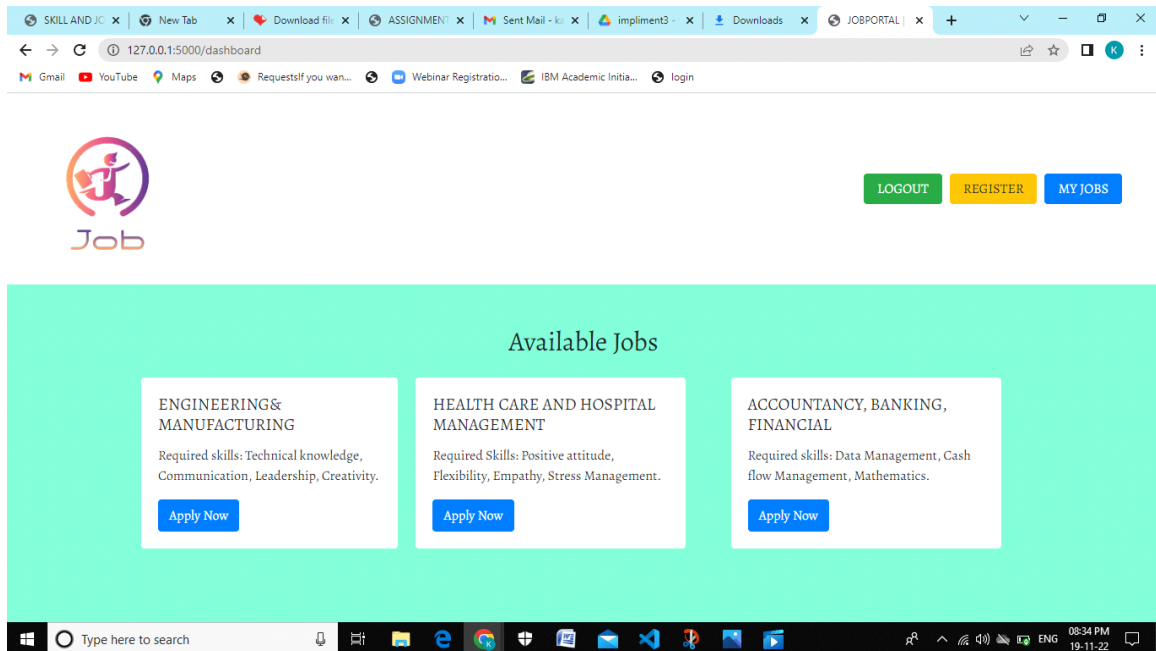
<div class="card-body">
  <h5 class="card-title">ACCOUNTANCY, BANKING, FINANCIAL </h5>
  <p class="card-text"> Required skills: Data Management, Cash flow
Management,
Mathematics.</p>
    <a href="apply" class="btn btn-primary">Apply
Now</a>
  </div>
</div>
</div>
</div>
</section>
<!-- focus section ends -->

</html>

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

```





## 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=_ HYPERLINK
"https://fonts.googleapis.com/css2?family=Alegreya%3Awght%40600&display=
s">https://fonts.googleapis.com/css2?family=Alegreya:wght@600 HYPERLINK
"https://fonts.googleapis.com/css2?family=Alegreya%3Awght%40600&display=
s"& HYPERLINK
"https://fonts.googleapis.com/css2?family=Alegreya%3Awght%40600&display=
s">display=swap" 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 ofthis 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>
        -

    ->

    </div>

</a>

    <!-- 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
YourUsername" id="username" required></br></br>
            <input type="password" name="password" placeholder="Enter
YourPassword" id="password" required></br></br>

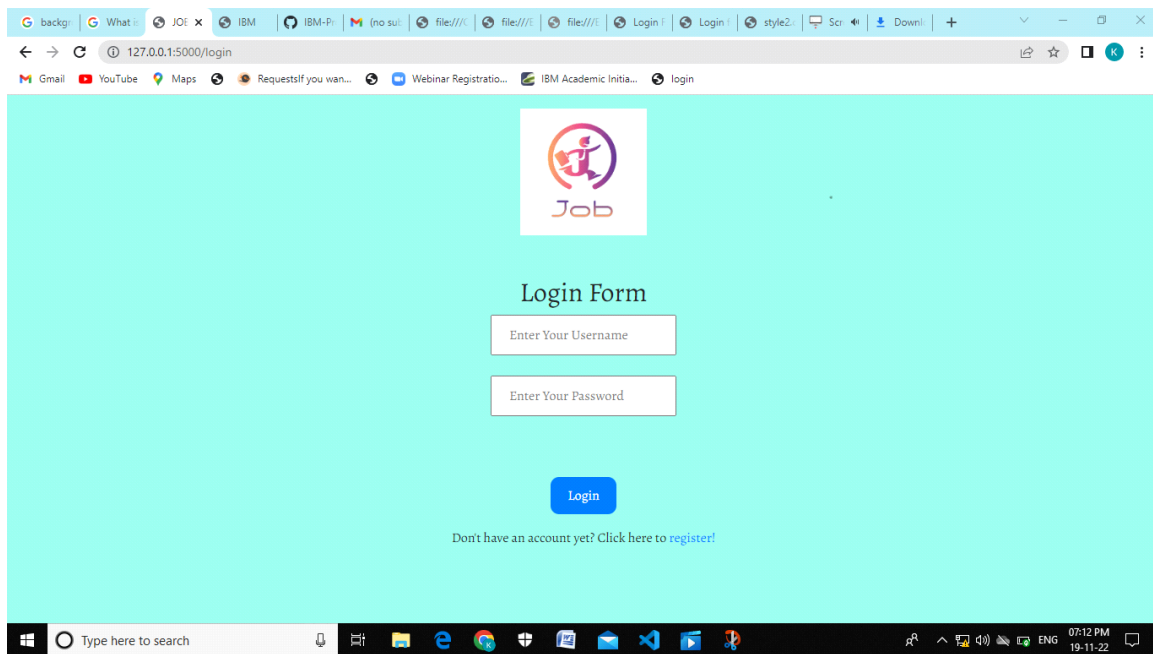
```

```

        </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=_ HYPERLINK
"https://fonts.googleapis.com/css2?family=Alegreya%3Awght%40600&display=
s">https://fonts.googleapis.com/css2?family=Alegreya:wght@600 HYPERLINK
"https://fonts.googleapis.com/css2?family=Alegreya%3Awght%40600&display=
s"& HYPERLINK
"https://fonts.googleapis.com/css2?family=Alegreya%3Awght%40600&display=
s">display=swap" 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>
        -
    ->

    </div>

</a>

```

```

        <!-- 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
YourUsername" 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
YourPassword" 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 -->


```



backgrWhat sJOE xIBMIBM-Pi(no sufile:///Cfile:///Cfile:///CLoginLoginstyle2ScDown+

127.0.0.1:5000/register

GmailYouTubeMapsRequestif you wan...Webinar Registratio...IBM Academic Initia...login

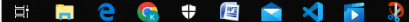



## Register Form

Register

already have an account ? please login [login!](#)

Type here to search



ENG07:13 PM19-11-22