

Sprint2_T

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Sprint2:

CompletedTasks:

- Loginpage
- SignUp~~page~~
- Dashboard~~page~~▪
Addticketspage
- Sendgridintegration

1.CreateanUltointeractwithApplication

2.ConnectwithIBMDB2Ag

entTable:

CustomerTable:

Code:A

pp.py:

```
from flask import Flask, render_template, request, redirect, session
import ibm_db
import re
```

```
app = Flask(__name__)
```

```
#for connection
```

```
try:
    app.secret_key = 'a'
    conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=b70af05b-76e4-4bca-a1f5-23dbb4c6a74e.c1ogj3sd0tg tu0lqde00.databases.appdomain.cloud;PORT=32716;SECURI
```

```

T
Y=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=xyn12614;PWD=oXj0uam0
A0YeLVq",',')
except:
    print("can'tconnect")

```

```

import os

from sendgrid import SendGridAPIClient

from sendgrid.helpers.mail import Mail

message = Mail(

    from_email='from_email@example.com',

    to_emails='to@example.com',

    subject='Sending with Twilio SendGrid is Fun',

    html_content='<strong>and easy to do anywhere, even with Python</strong>')

try:

    sg = SendGridAPIClient(os.environ.get('SENDGRID_API_KEY'))

    response = sg.send(message)

    print(response.status_code)

    print(response.body)

    print(response.headers)

except Exception as e:

    print(e.message)

```

```

@app.route('/signup', methods=['GET', 'POST'])
def signup():
    global user_id
    g = ''
    if request.method == 'POST':
        name = request.form['username']
        email = request.form['email']
        phone = request.form['phn']

```

```

password=repequest.form['pass']
ass=reprintquest.form['repass']
"insiprint(dechecking")
ame)
if len(user name)==0 or len(name)==0==0 or len(email)==0 or len(phn)
==0 or len(password)==0 or len(repass)==0: misnotfille
    msg=" orsgcompletely!!"
    print(m)re
    return nrdder_template('signup.html',msg=msg)
elif passwo Pas!
    msg=" sg)=repass:swotmatched"
    print(m)renordisn
    return .mder_template('signup.htmlt',msg=msg)
elif notre ses ch(r'[a-z]+',username):
    msg='U g)rnamecancontainonlysm alletters andnumbers'
    print(m)en.
    return maIder_template('signup.html',msg=msg)tc
elif notre nvsh(r'^@+@[^@]+\.[^@]
    msg=' g)r',email):alidemail'
    print(m)en.
    return maIder_template('signup.html',msg=msg)tc
elif notre ntsh(r'[A-Za-z]+',name):
    msg=" g)rervalidname"
    print(m)en.
    return maIder_template('signup.html',msg=msg)
elif notre ntstch(r'[0-
    msg=" g)9]+',phn):ervalidphor"
    print(m)rennenunbe
    return der_template('signup.html',msg=msg)

```

```

sql=st"select*fromdb userswheree username=?"
mtibm=ibm_b.prepar_p(conn,sql)mt
dibm_dbbindbaram(stut,1,usern ame)
accou.execne(stmt)bm
rint t=i(ac_db.fetntch_assoc(stmt)
ifac coucou)
    nt:sg=
    m' Accountalreadyexists'
else:
    insert_sql="insertintousersvalurep_ses(?,?,?,?)"q
    ptmt=ibm_db.prepare(conn,insbm_db.bierti_sl)
    ind_param(prepare_stmt,1,userbm_db.bindname)
    i_param(prepare_stmt,2,namebm_db.bind_p)
    iaram(prepare_stmt,3,emaibm_db.bind_parl)
    iam(prepare_stmt,4,phn)bm_db.bind_param
    i(prepare_stmt,5,pass word)
    ibm_db.execute(prepare_stmt)

```

```

        print("success")
        msg = "successfully signed up"
        return render_template('dashboard.html', msg=msg,
                               name=name)
    else:
        return render_template('signup.html')

```

```

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

```

```

@app.route('/login', methods=["GET", "POST"])
def login():
    global user_id
    session = {}
    if request.method == 'POST':
        username = request.form['username']
        password = request.form['password']
        sql = "select * from user where username=? and password=?"
        cursor = db.cursor()
        cursor.execute(sql, (username, password))
        user = cursor.fetchone()
        if user:
            session['loggedin'] = True
            session['user_id'] = user['id']
            session['username'] = user['username']
            return render_template('dashboard.html',
                                   name=session['username'],
                                   msg="logged in successfully")
        else:
            return render_template('login.html',
                                   msg="invalid credentials")
    else:
        return render_template('login.html')

```

```

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

```

```

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

```

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

```
<!--for boxofthesignupfs="sdr-->
<divclass gn">
  <div>
    <pclass="fortitle">
      RegisterNow!!
    </p>
    <hr>
    <formaction="/" method="post">
      <divclass signup"me="
        <divc forform">lanformleft">
          <inputtype="text" name="username">
        </div>name
        <divc lass="textinformright">
          <inputtype="text" name="password">
        </div>
      </div>
      <divc lass="forform">
        <divclass="texti nformleft">
          Name
```

```
</div>
<div class="textinformright">
    <i puttype="ame"name= name">
</div>
</div>
<div lass="forform">
    <divc lass="textinformleft">
        E -mail
    </div>
    <divc lass="textinformright">
        <i puttype="ame"name= email">
    </div>
</div>
<divc lass="forform">
    <divc lass="textinformleft">
        PhoneNumber
    </div>
    <divclass="textinformright">
        <i puttype="ame"name= phn">
    </div>
</div>
<divc lass="forform">
    <divc lass="textinformleft">
        Password
    </div>
    <divc lass="textinformright">pa
        <i puttype="assword"n me="pass">
    </div>
</div>
<divc lass="forform">l
    <divc ass="texti-nformleft">s
        Re enterPasword
    </div>
    <divc lass="textinformright">n
        <i puttype="password"na me="repass">
    </div>>
</ v
di<b
r><d>
iv <buttonclass="forbutton"type="submit">Signup
>></button>
</ rdiv>m>
fo<b
r><d>
iv {{msg}}
</div>
```

```

<br>
    <div>
        Already have an account? <a href="/login">Sign in</a>>
    </div>
<br>

```

```

</div>

```

```

</div>
</div>

```

```

{%endblock%}

```

Login.html:

```

{%extends 'base.html'%}

```

```

{%blockhead%}

```

```

<title>
    Login
</title>

```

```

{%endblock%}

```

```

{%blockbody%}

```

```

<div class="forpadding">

```

```

    <!--for box of the signups-->
    <div class="sign" >
        <div>
            <p class="fortitle">
                Sign In
            </p>
            <hr>
            <form action="/" method="post">
                <div class="login" met="form">
                    <div class="formleft">
                        <input type="text" name="username">
                    </div>
                    <div class="formright">
                        <input type="password" name="password">
                    </div>
                </div>
            </form>
        </div>
    </div>

```



```

    </div>
</div>

<div class="form">
    <div class="textinfoleft">
        Password
    </div>
    <div class="textinfo right">
        <input type="password" name="pass">
    </div>
</div>

<br>
<div>
    <button class="formbutton" type="submit">SignIn
>></button>
</div>
</form>
<br>

<div>
    Newuser?<a href="/signup">Signup</a>
</div>
<br>
</div>

</div>
</div>

```

```
{%endblock%}
```

Dashboard.html:

```
{%extends 'base.html'%}
```

```
{%blockhead%}
```

```

<title>
    Dashboard
</title>

```

```
{%endblock%}
```

```
{%blockbody%}
```

```
<!--things
```

```
div1  
welcomej etson,signo ut  
div2  
yourcomp laintsstatus
```

```
add<newcomplaint-->  
br><d  
iv class="fordashboardtop">  
div class="fordashboardtopelements1">  
WelcomeRavi,  
</div>  
div class="fordashboardtopelements2">  
a href="/login"><buttonclass="fo rbutton">Sign  
out</button></a> </div>
```

```
</v>  
i<br  
> class="outerofdashdetails">
```

```
<divcla ss="fordashboarddetails">  
<br><  
!-- tablelefcustomerscomplaints--  
<tabclas s="fortable">  
<thead>  
<th class="pad">CompleaintDetail</th>h>  
<th>AssignedAgS nt</t  
<th>tatus</  
<th>th>Moredetas</th>  
</thead>i  
<tbody>  
<tr>
```

```
<tdclass="pad">k  
Networ Issue  
</td>  
<td>  
Dr.Raj  
</td>  
<td>
```

```
 NotCompleted || ClickHere |

```

```


```

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```


```

Base.html:

```


```

```


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```


```

```


```

```


```