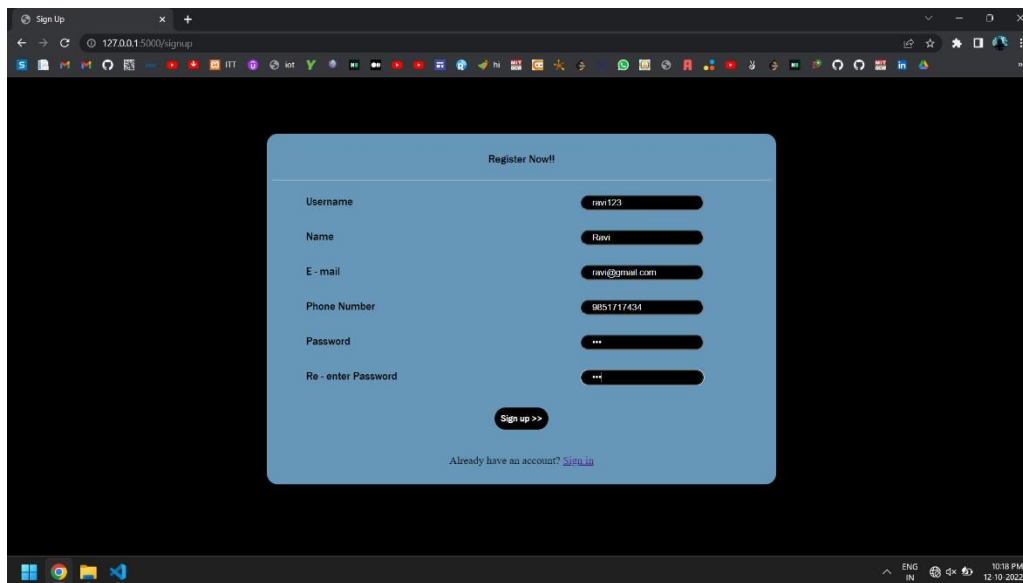# Sprint 2

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Sprint 2:

   Completed Tasks:

   - ✦ **Login page**
   - ✦ **Sign Up page**
   - ✦ **Dashboard page**
   - ✦ **Add tickets page**
   - ✦ **Sendgrid integration**

1. **Create an UI to interact with Application**

2. **Connect with IBM DB2**

Agent Table:

USERNAME	NAME	EMAIL	PHN	PASSWORD

You don't have any data currently

Customer Table:

Result set - Run SQL - IBM Db2 on Cloud - select * from agent - Google Chrome

about:blank

Result set 1

Q Find

USERNAME	NAME	EMAIL	PHN	PASSWORD	DOMAIN	STATUS

You don't have any data currently

Code:

App.py:

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


app = Flask(  name  )


# for connection

try:
    app.secret_key = 'a'
```

```python
    conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=b70af05b-76e4-4bca-a1f5-
23dbb4c6a74e.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32716;SECURIT
Y=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=xyn12614;PWD=oXjOuam0A
OYeLVKq", '', '') except:
    print("can't connect")
 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 userid     msg = ''
if request.method == 'POST':
        username = request.form['username']
name = request.form['name']         email =
request.form['email']         phn =
request.form['phn']
```

```python
        password = request.form['pass']        repass =
request.form['repass']        print("inside checking")        print(name)
if len(username) == 0 or len(name) == 0 or len(email) == 0 or len(phn)
== 0 or len(password) == 0 or len(repass) == 0:
            msg = "Form is not filled completely!!"
print(msg)            return
render_template('signup.html', msg=msg)        elif
password != repass:
            msg = "Password is not matched"
print(msg)            return
render_template('signup.html', msg=msg)        elif not
re.match(r'[a-z]+', username):
            msg = 'Username can contain only small letters and
numbers'            print(msg)            return
render_template('signup.html', msg=msg)        elif not
re.match(r'[^@]+@[^@]+\.[^@]+', email):
            msg = 'Invalid email'            print(msg)
return render_template('signup.html', msg=msg)
elif not re.match(r'[A-Za-z]+', name):
            msg = "Enter valid name"
print(msg)            return
render_template('signup.html', msg=msg)        elif not
re.match(r'[0-9]+', phn):            msg = "Enter valid
phone number"            print(msg)            return
render_template('signup.html', msg=msg)
        sql = "select * from users where username =
?"        stmt = ibm_db.prepare(conn, sql)
ibm_db.bind_param(stmt, 1, username)
ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)
print(account)        if account:
            msg = 'Acccount already exists'
else:
            insert_sql = "insert into users values(?,?,?,?,?)"
prep_stmt = ibm_db.prepare(conn, insert_sql)
ibm_db.bind_param(prep_stmt, 1, username)
ibm_db.bind_param(prep_stmt, 2, name)
ibm_db.bind_param(prep_stmt, 3, email)
ibm_db.bind_param(prep_stmt, 4, phn)
ibm_db.bind_param(prep_stmt, 5, password)
ibm_db.execute(prep_stmt)            print("successs")
```

```python
        msg = "succesfully 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 userid        msg = ''
if request.method == 'POST':
        username = request.form['username']            password =
request.form['pass']            sql = "select * from users where username
= ? and password = ?"            stmt = ibm_db.prepare(conn, sql)
ibm_db.bind_param(stmt, 1, username)            ibm_db.bind_param(stmt,
2, password)            ibm_db.execute(stmt)            account =
ibm_db.fetch_assoc(stmt)            print(account)            if account:
            session['Loggedin'] = True                session['id'] =
account['USERNAME']                userid = account['USERNAME']
session['username'] = account['USERNAME']                msg = 'logged in
successfully'            return render_template('dashboard.html',
name=account['name'])            else:
            msg = 'Incorrect user credentials'
            return render_template('dashboard.html', msg=msg)
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')
```

```python
@app.route('/privacyterms') def
privacyterms():
    return render_template('privacyterms.html')



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

Signup.html:

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



{% block head %}

    <title>
        Sign Up
    </title>
{% endblock %}



{% block body %}

<div class="forpadding">

    <!-- for box of the signup form -->
    <div class="sign">
        <div>
            <p class="fortitle">
                Register Now!!
            </p>
            <hr>
            <form action="/signup" method="post">
                <div class="forform">
                    <div class="textinformleft">
                        Username
                    </div>
                    <div class="textinformright">
                        <input type="name" name="username">
                    </div>
                </div>
                <div class="forform">
                    <div class="textinformleft">
                        Name
                    </div>
                    <div class="textinformright">
```

```html
                    <input type="name" name="name">
                </div>
            </div>
            <div class="forform">
                <div class="textinformleft">
                    E - mail
                </div>
                <div class="textinformright">
                    <input type="name" name="email">
                </div>
            </div>
            <div class="forform">
                <div class="textinformleft">
                    Phone Number
                </div>
                <div class="textinformright">
                    <input type="name" name="phn">
                </div>
            </div>
            <div class="forform">
                <div class="textinformleft">
                    Password
                </div>
                <div class="textinformright">
                    <input type="password" name="pass">
                </div>
            </div>
            <div class="forform">
                <div class="textinformleft">
                    Re - enter Password
                </div>
                <div class="textinformright">
                    <input type="password" name="repass">
                </div>
            </div>
            <br>
            <div>
                <button class="forbutton" type="submit"> Sign up >></button>
            </div>
        </form>
        <br>
        <div>
            {{msg}}
        </div>
        <br>
        <div>
            Already have an account? <a href="/login">Sign in</a>
```

```html
                </div>
                <br>

            </div>

        </div>
    </div>

{% endblock %}
```

Login.html:

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



{% block head %}

    <title>
        Login
    </title>

{% endblock %}



{% block body %}

<div class="forpadding">

    <!-- for box of the signup form -->
    <div class="sign">
        <div>
            <p class="fortitle">
                Sign In
            </p>
            <hr>
            <form action="/login" method="post">
<div class="forform">
                    <div class="textinformleft">
                        Username
                    </div>
                    <div class="textinformright">
                        <input type="name" name="username">
                    </div>
                </div>

                <div class="forform">
                    <div class="textinformleft">
```

```
                        Password
                </div>
                <div class="textinformright">
                        <input type="password" name="pass">
                </div>
            </div>

            <br>
            <div>
                <button class="forbutton" type="submit"> Sign In
>></button>
            </div>
        </form>
        <br>

        <div>
            New user? <a href="/signup">Sign up</a>
        </div>
        <br>
    </div>

  </div>
</div>

{% endblock %}
```

Dashboard.html:

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



{% block head %}

<title>
    Dashboard
</title>

{% endblock %}



{% block body %}


<!-- things

    div 1
welcome jetson,    sign out
```

```html
     div 2 your
complaints status
 add new complaint -
->
<br>
<div class="fordashboardtop">
    <div class="fordashboardtopelements1">
        Welcome Ravi,
    </div>
    <div class="fordashboardtopelements2">
        <a href="/login"><button class="forbutton">Sign out</button></a>
    </div>

</div>
<br>
<div class="outerofdashdetails">

    <div class="fordashboarddetails">
        <br>
        <!-- table of customers complaints -->
        <table class="fortable">
            <thead>
                <th class="pad">Complaint Detail</th>
                <th>Assigned Agent</th>
                <th>Status</th>
                <th>More details</th>
            </thead>
<tbody>
                <tr>

                    <td class="pad">
                        Network Issue
                    </td>
                    <td>
                        Dr.Raj
                    </td>
                    <td>
                        Not Completed
                    </td>
                    <td>
                        <a href="">Click Here >></a>
                    </td>
                </tr>
            </tbody>

        </table>
        <br>
```

```
        <center>
            <div class="fordashboardtopelements2">
                <a href="/login"><button class="forbutton2">Add new complaint
+</button></a>
            </div>
        </center>
    </div>

</div>


{% endblock %}
```

Base.html:

```
<!DOCTYPE html>

<head>

    <link rel="stylesheet" href="static/css/main.css"/>
    {% block head %} {% endblock %}
</head>

<body>
        {% block body %}

        {% endblock %}
</body>

</html>
```