Sprint 2
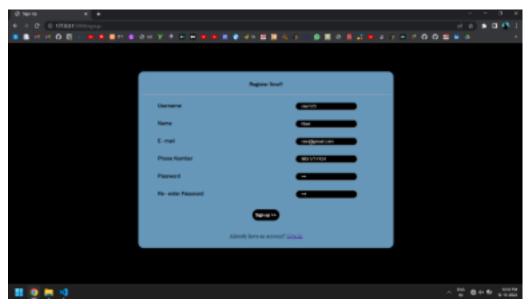
Team Mates:

    1.JENISH J (Team Lead)
    2.JEBIX SHYLIN E
    3.ASWIN MON M
    4.RAJESH KUMAR J

Sprint 2:
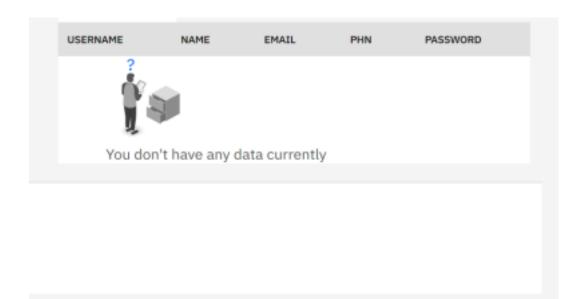
        Completed Tasks:

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

1. Create an UI to interact with Application
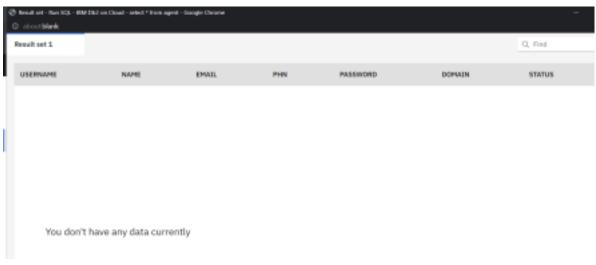

2. Connect with IBM DB2

Agent Table:

Customer Table:

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'
    conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=b70af05b-76e4-4bca-a1f5-
23dbb4c6a74e.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32716;SECURI
```

```python
T
Y=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=xyn12614;PWD=oXjOuam0
A 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)
```

```python
                print("successs")
                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
```

```html
          </div>
          <div class="textinformright">
               <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>
```

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

```html
                    </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:

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


{% block head %}

<title>
    Dashboard
</title>

{% endblock %}
```

```html
{% block body %}


<!-- things


    div 1
welcome jetson, sign out
    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>
```

```html
                        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:

```html
<!DOCTYPE html>

<head>

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

<body>
        {% block body %}

        {% endblock %}
</body>

</html>
```