

Sprint – 1

Date	04.11.2022
Team ID	PNT2022TMID20668
Project Name	Smart Waste Management for Metropolitan Cities

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">
  <meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1, user-scalable=no">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Login</title>
  <link href='https://fonts.googleapis.com/css?family=Fjalla+One' rel='stylesheet'>
  <link href='https://fonts.googleapis.com/css?family=Saira+Condensed' rel='stylesheet'>
  <link href='https://fonts.googleapis.com/css?family=Russo+One' rel='stylesheet'>
  <link rel="stylesheet" href="{ { url_for('static', filename='style.css') } }">

<style>
  body{
    background-color: rgb(16, 12, 12);
  }
  .loginCntnt{
    display: flex;
    margin-top: 12%;
    margin-left: 20%;
  }
  .loginPge{
    background-color: rgb(68, 180, 208);
    width: 400px;
    height: 350px;
  }
  .loginTtle{
    font-family:'Fjalla One';
    font-size: 30px;
    font-weight: bold;
    letter-spacing: 2px;
    margin-left: 40%;
    margin-top: 12px;
  }
  .loginForm{
    position:relative;
    padding: 10px;
```

```
}  
.loginForm input{  
  width: 50%;  
  height:35px;  
  border: 2px solid;  
  border-radius: 10px;  
  border-color: rgb(6, 186, 192);  
  padding: 0 10px;  
  margin-left: 20%;  
  margin-top: 2%;  
  background: transparent;  
  font-family:'Saira Condensed';  
  color: white;  
  font-weight: bold;  
  letter-spacing: 1.2px;  
}
```

```
::placeholder{  
  color:white;  
  opacity: 0.6;  
}
```

```
.loginForm button{  
  margin-left: 40%;  
  margin-top: 10%;  
  /* width: 150px; */  
  width: fit-content;  
  height:30px;  
  border-radius: 10px;  
  border-color: transparent;  
  background-color: black;  
  color: aqua;  
  font-family: 'Russo One';  
}
```

```
.loginForm button:hover{  
  background-color: rgba(255, 255, 255, 0.719);  
  color: black;  
}
```

```
a{  
  text-decoration: none;  
  color: black;  
}
```

```
.signup{
  margin-left: 40%;
  margin-top: 1%;
  font-family: 'Russo One';
  color: rgb(0, 0, 0);
  width: fit-content;
}
```

```
.loginPicture{
  width: 550px;
  height: 350px;
}
```

```
#ErrorMsg{
  margin-left: 14%;
```

```
}
```

```
@media only screen and (max-width: 900px) {
```

```
  .loginPicture{
    width: 500px;
    height: 350px;
    transition: 0.5s;
```

```
  }
```

```
  .loginCntnt {
    flex-direction: column;
```

```
  }
```

```
  .loginPge{
    margin-left: 12%;
```

```
  }
```

```
}
```

```
@media only screen and (max-width: 890px) {
```

```
  .loginPge{
    margin-left: 0.1%;
    width: 500px;
    transition: 0.9s;
```

```
  }
```

```
}
```

```
@media only screen and (max-width: 500px) {
```

```
  .loginPge{
    margin-left: 15%;
    width: 380px;
    transition: 0.8s;
```

```

    }
}

</style>

</head>
<body>
    <div class="loginCntnt">
        <div class="loginImage">
            
        </div>
        <div class="loginPge">
            <h2 class="loginTtle">LOGIN</h2>
            <form action="{{ url_for('login') }}" class="loginForm" method="POST">
                <input type="text" name="username" id="username" placeholder="user name" required ><br>
                <input type="password" name="password" id="password" placeholder="password" required><br>
                <p id="ErrorMsg">{{ errorMsg }}</p>
                <button type="submit">LOGIN</button>
            </form>
            <!-- <button class="signup" onclick="{{ url_for('register') }}">Sign up</button> -->
            <h4 ><a class="signup" href="{{ url_for('register') }}">Sign up</a></h4>
        </div>
    </div>
</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>Login</title>
    <link href='https://fonts.googleapis.com/css?family=Fjalla+One' rel='stylesheet'>
    <link href='https://fonts.googleapis.com/css?family=Saira+Condensed'
rel='stylesheet'>
    <link href='https://fonts.googleapis.com/css?family=Russo+One' rel='stylesheet'>

    <style>

```

```
body{
    background-color: black;
}
.rgstrCntnt{
    display: flex;
    margin-top: 12%;
    margin-left: 20%;
}
.rgstrPge{
    margin-top: -4%;
    background-color: rgb(7, 141, 175);
    width: 400px;
    height: 400px;
}
.rgstrTtle{
    font-family: 'Fjalla One';
    font-size: 30px;
    font-weight: bold;
    letter-spacing: 2px;
    margin-left: 34%;
    margin-top: 12px;
}
.rgstrForm{
    position: relative;
    padding: 10px;
    margin-top: -3%;
}
```

```
.rgstrForm input{
    width: 50%;
    height: 35px;
    border: 2px solid;
    border-radius: 10px;
    border-color: rgb(6, 186, 192);
    padding: 0 10px;
    margin-left: 20%;
    margin-top: 2%;
    background: transparent;
    font-family: 'Saira Condensed';
    color: white;
    font-weight: bold;
    letter-spacing: 1.2px;
}
```

```
::placeholder{
    color:white;
    opacity: 0.6;
}
```

```
.rgstrForm button{
    margin-left: 36%;
    margin-top: 3%;
    width: 100px;
    height:30px;
    border-radius: 10px;
    border-color: transparent;
    background-color: black;
    color: aqua;
    font-family: 'Russo One';
}
```

```
.rgstrForm button:hover{
    background-color: rgba(255, 255, 255, 0.719);
    color: black;
}
```

```
a{
    text-decoration: none;
    color: black;
}
```

```
.signin{
    margin-left: 43%;
    margin-top: -1%;
}
```

```
.rgImge{
    width: 550px;
    height: 400px;
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="rgstrCntnt">
```

```

        <div class="rgstrImage">
            
        </div>
        <div class="rgstrPge">
            <h2 class="rgstrTtle">REGISTER</h2>
            <form action="{{ url_for('register') }}" class="rgstrForm" method="POST">
                <input type="text" id="usrname" name="usrname" placeholder="user
name" required><br>
                <input type="email" id="email" name="email"
placeholder="example@gmail.com" required><br>
                <input type="password" id="password" name="password"
placeholder="password" required><br>
                <input type="password" id="rpassword" placeholder="retype-password"
required><br>
                <p id="ErrorMsg">{{errorMsg}}</p>
                <button type="submit">REGISTER</button>
            </form>
            <h4 class="signin"><a href="{{url_for('login')}}">Sign in</a></h4>
        </div>
    </div>
</body>
</html>

```

App.py:

```

from flask import Flask, render_template, request, redirect, url_for, session
import os
import re
import ibm_db

app = Flask(__name__)

app.secret_key = 'my secret key'

conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=815fa4db-dc03-4c70-869a-
a9cc13f33084.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=30367;SECURITY=SSL;S
SLServerCertificate=DigiCertGlobalRootCA.crt;UID=mmt12018;PWD=0E1LdotobXSoI8u6",'',''
)

picFolder = os.path.join('static','pics')
app.config['UPLOAD_FOLDER'] = picFolder

@app.route("/dashboard")
def dashboard():
    dashboardPic = os.path.join(app.config['UPLOAD_FOLDER'],'dashboard.jpg')

```

```

        return render_template('dashboard.html', dashboard=dashboardPic)

@app.route('/')
@app.route('/login', methods =['GET', 'POST'])
def login():
    msg = ''
    loginPic = os.path.join(app.config['UPLOAD_FOLDER'],'images.jfif')
    if request.method == 'POST' and 'usrname' in request.form and 'password' in
request.form:
        username = request.form['usrname']
        password = request.form['password']
        sql = "SELECT * FROM account WHERE ID = '"+username+"'" AND pass =
'"+password+"'"
        stmt = ibm_db.exec_immediate(conn, sql)
        account = ibm_db.fetch_both(stmt)
        if account:
            session['loggedin'] = True
            session['id'] = account[0]
            session['username'] = account[1]
            msg = 'Logged in successfully !'
            return redirect(url_for('dashboard'))
        else:
            msg = 'Incorrect username / password !'
    return render_template('login.html', errorMsg = msg,loginpic = loginPic)

@app.route('/logout')
def logout():
    session.pop('loggedin', None)
    session.pop('id', None)
    session.pop('username', None)
    return redirect(url_for('login'))

@app.route('/register', methods =['GET', 'POST'])
def register():
    msg = ''
    registerImg = os.path.join(app.config['UPLOAD_FOLDER'],'login.jpg')
    if request.method == 'POST' and 'usrname' in request.form and 'password' in
request.form and 'email' in request.form :
        username = request.form['usrname']
        password = request.form['password']
        email = request.form['email']
        sql = "SELECT * FROM account WHERE ID = '"+username+"'"
        stmt = ibm_db.exec_immediate(conn, sql)
        account = ibm_db.fetch_both(stmt)

```



```

if account:
    msg = 'Account already exists !'
elif not re.match(r'^@+@[^@]+\.[^@]+', email):
    msg = 'Invalid email address !'
elif not re.match(r'[A-Za-z0-9]+', username):
    msg = 'Username must contain only characters and numbers !'
elif not username or not password or not email:
    msg = 'Please fill out the form !'
else:
    ins = "INSERT INTO account VALUES
('"+username+"','"+email+"','"+password+"')"
    prep_stmt = ibm_db.prepare(conn, ins)
    ibm_db.execute(prepare_stmt)
    msg = 'You have successfully registered !'
elif request.method == 'POST':
    msg = 'Please fill out form !'
return render_template('register.html', errorMsg = msg,registerImg=registerImg)

if __name__ == '__main__':
    app.run()

```

Output:

To run the webpage, run it in the flask.

