

Assignment-1

Python Programming

Assignment Date	28October2022
Project Name	Skill and Job Recommender
TeamID	PNT2022TMID53971
MaximumMarks	2Marks

Question-1:

Create a registration page in html with username, email and phone number and by using postmethoddisplayit in nexthtml page.

register.html

```
<html>
<head>
<title>Registrationpage</title>
<linkrel="stylesheet"href="{{url_for('static',filename='register.css')}}">
</head>
<body>
<divclass="center"><br/><br/>
<formaction="/register"method="POST">
<h1>Register</h1><br/><br/>
<p>Enter username:</p>
<inputtype="text"name="username"/>
<p>Enter email:</p>
<inputtype="email"name="email"/>
<p>Enter Phonenumner:</p>
<inputtype="text"name="phone"/>
<br><br><br>
<inputtype="submit"value="submit"/>
</form>
</div>
</body>
```

```
</html>
```

register.css

```
.center{margin:
0%;width:100%;
}
h1{
text-align:center;
}
input{
border-radius:5px;padding:
7px;
}
```

home.html

```
<html>
<head>
<title>Home</title>
</head>
<bodystyle="text-align:center">
<h2>Welcome{{username}}</h2><br/><br/>
<b>Username</b>-{{username}}<br/><br/>
<b>EmailAddress</b>-{{email}}<br/><br/>
<b>Phonenumber</b>-{{phone}}<br/><br/>
</body>
</html>
```

Register.py

```
from flask import
Flask,render_template,requestapp=Flask(__name)
@app.route("/")
defhome():
```

```

return
render_template("register.html")@app.route("/
register",methods=["POST","GET"])defregister
():
    if
        request.method=="POST":username
        e=request.form.get('username')ema
        il=request.form.get('email')phone=r
        equest.form.get('phone')
        returnrender_template("home.html",username=username,email=email,phone=pho
        ne)

if__name__=='_main_
    ':app.run(debug=Tr
    ue)

```

Output:

The screenshot displays a web browser window with a single tab titled "Registration page". The address bar shows the file path "F:/BM/Assignment%201/register.html". The page content is centered and features the heading "Registration Page". Below the heading are three text input fields with labels "Enter username:", "Enter email:", and "Enter Phone number:". A "submit" button is positioned below the third input field. The browser's right sidebar shows various extension icons. The Windows taskbar at the bottom includes the Start button, search icon, and several application icons. The system tray on the right shows the temperature as 27°C, the weather as "Cloudy", and the date and time as "09:55 PM 28-10-2022".

Question-2:

Develop a flask program which should contain at least 5 packages used from pypi.org.

Packages used:

1. render_template
2. url_for
3. redirect
4. request
5. abort

Program:**python_packages.py**

```
from flask import Flask, render_template, request, redirect, url_for, abort
```

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

```
@app.route("/")
```

```
)def home():
```

```
    return render_template("register.html")
```

```
@app.route("/register", methods=["POST", "GET"])
```

```
defregister():
    if
        request.method=="POST":usernam
        e=request.form.get('username')ema
        il=request.form.get('email')phone=r
        equest.form.get('phone')
        ifusername=="admin":
            returnredirect(url_for("admin_page"))
        returnrender_template("home.html",username=username,email=email,phone=pho
        ne)
```

```
@app.route("/admin
```

```
")defadmin_page():
```

```
    returnrender_template("admin.html")
```

```
@app.route("/validate",methods=["POST","GE
```

```
T"])defvalidate_admin():
```

```
    if
```

```
        request.method=="POST":passwor
```

```
        d=request.form.get('password')if(pa
```

```
        ssword=="abcd"):
```

```
            return
```

```
        render_template("admindashboard.html")else:
```

```
            abort(403)
```

```
if__name__=='_main_
```

```
    ':app.run(debug=Tr
```

```
ue)
```

register.html

```
<html>
```

```
<head>
```

```
<title>Registrationpage</title>
```

```
<linkrel="stylesheet"href="{{url_for('static',filename='register.css')}}">
```

```
</head>
<body>
<divclass="center"><br/><br/>
<formaction="/register"method="POST">
<h1>Register</h1><br/><br/>
<p>Enter username:</p>
<inputtype="text"name="username"/>
<p>Enter email:</p>
<inputtype="email"name="email"/>
<p>Enter Phonenumner:</p>
<inputtype="text"name="phone"/>
<br></br></br>
<inputtype="submit"value="submit"/>

</form>
</div>
</body>
</html>
```

home.html

```
<!DOCTYPEhtml>
<html>
<head>
<title>Home</title>
</head>
<bodystyle="text-align:center">
<h2>Welcome{{username}}</h2><br/><br/>
<b>Username</b>-{{username}}<br/><br/>
<b>EmailAddress</b>-{{email}}<br/><br/>
<b>Phonenumner</b>-{{phone}}<br/><br/>
</body>
```

```
</html>
```

admin.html

```
<html>
```

```
<head>
```

```
<title>AdminLogin</title>
```

```
<linkrel="stylesheet"href="{{url_for('static',filename='register.css')}}">
```

```
</head>
```

```
<body>
```

```
<divclass="center"><br/><br/>
```

```
<formaction="/validate"method="POST">
```

```
<h2style="text-align:center">Adminlogin</h2><br/><br/>
```

```
<p>Enter password:</p>
```

```
<inputtype="text"name="password"/>
```

```
</br></br></br>
```

```
<inputtype="submit"value="submit"/>
```

```
</form>
```

```
</div>
```

```
</body>
```

```
</html>
```

admindashboard.html

```
<html>
```

```
<head>
```

```
<title>Admin</title>
```

```
</head>
```

```
<body>
```

```
<h2style="text-align:center">WelcomeAdministartor</h2><br/><br/>
```

```
<p><b>Whoisanadministrator?</b></p></br>
```

```
<p>Web administrators design, develop, maintain and troubleshoot websites.  
Mostimportantly, they ensure a safe and efficient user experience. This may include  
implementingsecurityprotocols, modifyingprograms,  
creatingbackups,resolvingsoftwareproblems,
```

updating content and more. They may work with many clients or for one organization to design, program and monitor websites. Specific responsibilities include:

-

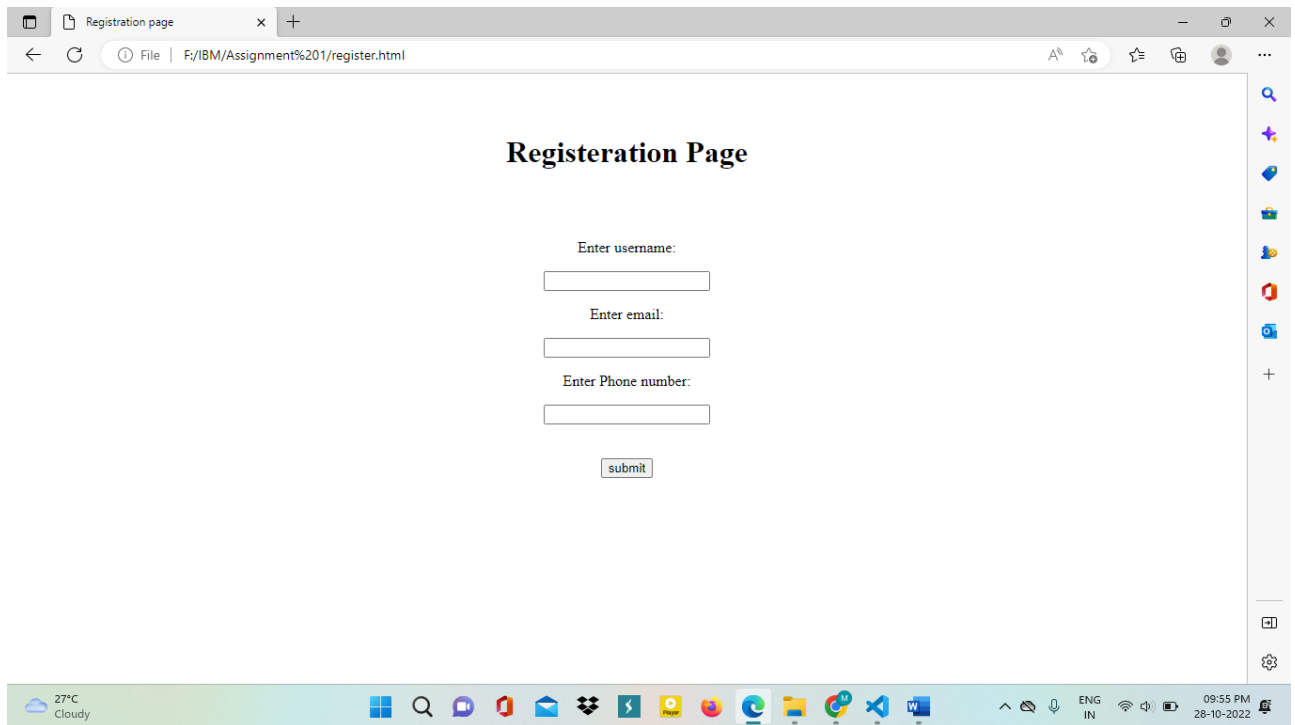
- Coding websites—the most popular languages include HTML and JavaScript

- Collaborating with development teams to program websites

- Setting up tools to monitor website traffic

- Analyzing website traffic to inform design decisions

Output:



The screenshot shows a web browser window with a single tab titled "Registration page". The address bar displays the file path "F:/IBM/Assignment%201/register.html". The page content is centered and features the title "Registration Page" in a bold, black, serif font. Below the title, there are three input fields with labels: "Enter username:", "Enter email:", and "Enter Phone number:". Each label is followed by a text input box. At the bottom of the form is a "submit" button. The browser's right sidebar is visible, showing various extension icons. The Windows taskbar at the bottom indicates a temperature of 27°C, a cloudy weather condition, and the time 09:55 PM on 28-10-2022. Several application icons are pinned to the taskbar, including Microsoft Edge, File Explorer, Google Chrome, and various office applications.

Registration page

File | F:/IBM/Assignment%201/register.html

Registration Page

Enter username:

Enter email:

Enter Phone number:

submit



The screenshot shows a web browser window with a single tab titled "localhost:5000/admin". The address bar also shows "localhost:5000/admin". The page content is centered and features the title "Admin login" in a bold, black, serif font. Below the title, there is a single input field with the label "Enter password:". The input box contains the text "abcd". At the bottom of the form is a "submit" button. The browser's right sidebar is visible, showing various extension icons. The Windows taskbar at the bottom indicates a temperature of 27°C, a cloudy weather condition, and the time 09:55 PM on 28-10-2022. Several application icons are pinned to the taskbar, including Microsoft Edge, File Explorer, Google Chrome, and various office applications.

localhost:5000/admin

Admin login

Enter password:

submit

WelcomeAdminis tzmor

Web administrators design, develop, maintain and troubleshoot websites. Most importantly, they ensure a safe and efficient user experience. This may include implementing security protocols, modifying programs, creating backups, resolving software problems, updating content and more. They may work with many clients or for one organization to design, program and monitor websites. Specific responsibilities include:

Adminlogin

Forbidden

You don't have the permission to access the requested resource. It is either read-protected or not readable by the server.