**Assignment -1 Python Programming**

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| --- | --- |
| Assignment Date | 19 September 2022 |
| Student Name | ANNAR SHANKAR P |
| Student Roll Number | 1901013 |
| Maximum Marks | 2 Marks |

**Question-1:**

**Create registration page in html with username, email and phone number and by using POST method display it in next html page.**

# SOLUTION :

**app.py**

from flask import Flask,render\_template,requestapp=Flask(

name )

@app.route("/")def home():

return render\_template("reg.html")

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

if request.method=="POST": username=request.form.get('username') email=request.form.get('email') phonenumber=request.form.get('phonenumber')return

render\_template("result.html",username=username,email=email,phonenumber=phonenumber) if name == ' main ':

app.run(debug=True)

# reg.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<metahttp-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Register</title>

<link rel="stylesheet" href="{{url\_for('static', filename='style.css')}}">

</head>

<body>

<form action="/register" method="POST" autocomplete="off">

<div class="container">

<h1>Register</h1>

<center><p><b>Please fill in this form to create an account.</b></p></center>

<label class="form\_label"for="email"><b>Username</b></label>

<br><br>

<input class="form\_input"type="text" name="username"placeholder="EnterUsername" name="username" id="username" required>

<br><br>

<label class="form\_label"for="email"><b>Email</b></label>

<br><br>

<input class="form\_input"type="text" name="email"placeholder="EnterEmail" name="email" id="email" required>

<br><br>

<label class="form\_label"for="psw-repeat"><b>Phone number</b></label>

<br><br>

<input class="form\_input"type="number" name="phonenumber"placeholder="Enter Phone number" name="psw-repeat" id="psw-repeat" required>

<hr>

<center><button type="submit" class="submitbtn">Register</button></center>

</div>

</form>

</body>

</html>

# Result.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<metahttp-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Display</title>

<linkrel="stylesheet" href="{{url\_for('static', filename='style.css')}}">

</head>

<body>

<h1>Output</h1>

<center><table id="output">

<tr>

</tr>

<tr>

</tr>

<tr>

<th>Username</th>

<td>{{username}}</td>

<th>Email Address</th>

<td>{{email}}</td>

<th>Phone number</th>

<td>{{phonenumber}}</td>

</tr>

</table></center>

</body>

</html>

## Style.html

/\* Add padding to containers \*/

.container

{

padding: 16px; background- color: white;

}

/\* Overwrite default styles of hr \*/hr

{

border: 1px solid #f1f1f1;margin- bottom: 25px;

}

/\* Set a style for the submit button \*/

.submitbtn

{

background-color: rgb(211, 47, 41);color: white;

padding: 16px 20px; margin: 8px 0; border: none; cursor: pointer; opacity: 0.9; border-radius: 10px;

}

.submitbtn:hover { opacity: 1;

}

/\* Add a blue text color to links \*/a { color: dodgerblue;

}

.form\_label

{

margin-left: 35%;

}

.form\_input

{

margin-left: 35%; width: 500px; height: 42px; padding-left: 20px;

border-radius: 10px;border: none;

background-color: whitesmoke;

}

#output {

font-family: Arial, Helvetica, sans-serif;border-collapse: collapse;

width: 50%;

}

#output td, #output th { border: 1px solid black;padding: 8px;

}

#output tr:nth-child(even){background-color: #f2f2f2;}#output tr:hover

{background-color: #ddd;} #output th {

padding-top: 12px; padding- bottom: 12px;text-align: left;

background-color: rgb(211, 47, 41);color: white;

}

**Question-2:**

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

# Solution:

**Packages used:**

1. render\_template
2. url\_for
3. redirect
4. request
5. abort

# 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"])def register():

if request.method=="POST": username=request.form.get('username') email=request.form.get('email') phone=request.form.get('phone')

if username=="admin":

return redirect(url\_for("admin\_page"))

return render\_template("home.html",username=username,email=email,phone=phone)

@app.route("/admin")def admin\_page():

return render\_template("admin.html")

@app.route("/validate",methods=["POST","GET"])def validate\_admin():

if request.method=="POST": password=request.form.get('password') if(password=="abcd"):

return render\_template("admindashboard.html")else: abort(403)

if name == ' main ': app.run(debug=True)

# reg.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<metahttp-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Register</title>

<link rel="stylesheet" href="{{url\_for('static', filename='style.css')}}">

</head>

<body>

<form action="/register" method="POST" autocomplete="off">

<div class="container">

<h1>Register</h1>

<center><p><b>Please fill in this form to create an account.</b></p></center>

<label class="form\_label"for="email"><b>Username</b></label>

<br><br>

<input class="form\_input"type="text" name="username"placeholder="EnterUsername" name="username" id="username" required>

<br><br>

<label class="form\_label"for="email"><b>Email</b></label>

<br><br>

<input class="form\_input"type="text" name="email"placeholder="EnterEmail" name="email" id="email" required>

<br><br>

<label class="form\_label"for="psw-repeat"><b>Phone number</b></label>

<br><br>

<input class="form\_input"type="number" name="phonenumber"placeholder="Enter Phone number" name="psw-repeat" id="psw-repeat" required>

<hr><center><button type="submit" class="submitbtn">Register</button></center>

</div>

</form>

</body>

</html>

# Result.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<metahttp-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Display</title>

<link rel="stylesheet" href="{{url\_for('static', filename='style.css')}}">

</head>

<body>

<h1>Output</h1>

<center><table id="output">

<tr>

</tr>

<tr>

</tr>

<tr>

<th>Username</th>

<td>{{username}}</td>

<th>Email Address</th>

<td>{{email}}</td>

<th>Phone number</th>

<td>{{phonenumber}}</td>

</tr>

</table></center>

</body>

</html>

## **dashBoardStyle.html**

@import url("https://fonts.googleapis.com/css2?family=Poppins:wght@400;600&display=swap");

:root{

--nav-width: 110px;

--first-color: #0C5DF4;

--bg-color: #12192C;

--sub-color: #B6CEFC;

--white-color: #FFF;

--body-font: 'Poppins', sans-serif;

--normal-font-size: 1rem;

--small-font-size: .875rem;

--z-fixed: 100;

}

\*,::before,::after{

box-sizing: border-box;

}

body{

position: relative;

margin: 0;

padding: 2rem 0 0 6.75rem;

font-family: var(--body-font);

font-size: var(--normal-font-size);

/\* transition: .5s; \*/

}

h1{

margin: 0;

}

ul{

margin: 0;

padding: 0;

list-style: none;

}

a{

text-decoration: none;

}

.navigation{

position: fixed;

top: 0;

left: 0;

width: 20vh ;

height: 100vh;

background-color: var(--bg-color);

color: var(--white-color);

padding: 1.5rem 0rem 2rem;

/\* transition: .5s; \*/

z-index: var(--z-fixed);

}

.nav{

height: 100%;

display: flex;

flex-direction: column;

justify-content: space-between;

overflow: hidden;

width: 200px;

}

.nav-symbol{

display: grid;

grid-template-columns: max-content max-content;

justify-content: space-between;

align-items: center;

margin-bottom: 2rem;

}

.nav\_toggle{

font-size: 1.25rem;

/\* padding: .75rem; \*/

/\* cursor: pointer; \*/

/\* width: 100px; \*/

}

.nav\_logo{

color: var(--white-color);

font-weight: 700;

text-align: center;

margin-left: 30px;

}

.nav\_link{

display: grid;

grid-template-columns: max-content max-content;

align-items: center;

column-gap: .65rem;

padding: .75rem;

color: var(--white-color);

border-radius: .5rem;

margin-bottom: 1rem;

margin-left: 5px;

transition: .3s;

width: 160px;

/\* cursor: pointer; \*/

}

.nav\_link:hover{

background-color: var(--first-color);

cursor: pointer;

}

.nav\_icon{

font-size: 1.25rem;

}

.nav\_name{

font-size: var(--small-font-size);

}

/\* .expander{

width: calc(var(--nav-width) + 6.25rem);

} \*/

.body-pd{

padding: 2rem 0 0 16rem;

}

/\* .active{

background-color: var(--first-color);

} \*/

/\*

.collapse{

grid-template-columns: 20px max-content 1fr;

} \*/

.collapse\_link{

justify-self: flex-end;

transition: .5s;

}

.collapse\_menu{

display: none;

padding: .75rem 2.25rem;

}

.collapse\_sublink{

color: var(--sub-color);

font-size: var(--small-font-size);

}

/\* .collapse\_sublink:hover{

color: var(--white-color);

} \*/

.showCollapse{

display: block;

}

.rotate{

transform: rotate(180deg);

}

# LOGIN.html

# <html>

# <head>

# <title>Login</title>

# <link rel="stylesheet" href="/static/css/login.css" />

# </head>

# <body>

# <div class="topnav" id="myTopnav">

# <a href="/register">Register</a>

# <a href="/login">Login</a>

# <!-- <a href="about.html">About</a> -->

# </div>

# <div class="login" style="text-align: center">

# <h1 class="fact">Be the reason for someone's heartbeat</h1>

# <br />

# <form class="login-page" method="post">

# <h1>Login</h1>

# <input type="text" placeholder="Email" name="email" /><br /><br />

# <input

# type="password"

# placeholder="password"

# name="password"

# /><br /><br />

# <input type="submit" class="submit" value="Login" />

# </form>

# </div>

# </body>

# </html>

# dashboard.html

<!doctype html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" contents="width=device-width, initial-scale=1.0">

<link rel="stylesheet" href="/static/css/dashboardstyle.css">

<title> Dashboard </title>

</meta>

</head>

<body id="body-pd">

<div class="navigation" id="navbar">

<nav class="nav">

<div>

<div class="nav-symbol">

<ion-icon name="menu" class="nav\_toggle" id="nav-toggle"></ion-icon>

<a href="#" class="nav\_logo">Dashboard</a>

</div>

<div class="nav-list">

<a href="/profile" class="nav\_link">

<ion-icon name="person-outline" class="nav\_icon"></ion-icon>

<span class="nav\_name" >Profile</span>

</a>

<a href="/homepage" class="nav\_link">

<ion-icon name="medical" class="nav\_icon"></ion-icon>

<span class="nav\_name" >Donors list</span>

</a>

</div>

</div>

<a href="/logout" class="nav\_link">

<ion-icon name="log-out" class="nav\_icon"></ion-icon>

<span class="nav\_name">Logout</span>

</a>

</nav>

</div>

<script src="https://unpkg.com/ionicons@5.4.0/dist/ionicons.js"></script>

<script src="js/dashboardjs.js"></script>

</body>

</html>