**Creating Flask File:**

**Source code:**

1. **Importing All Necessary Libraries, Modules And Initializing Flask Objects:** main.html

from flask import Flask, render\_template, request, session, redirect, url\_for

import ibm\_db

import ibm\_boto3

from ibm\_botocore.client import Config, ClientError

import os

import re

import random

import string

import datetime

import requests

app = Flask(\_\_name\_\_)

if \_\_name\_\_ == “main\_\_”:

app.run(debug=True, host=”0.0.0.0”)

1. **Rendering Index.Html Page:** index.html

@app.route(“/”)

def index():

return render\_template(“index.html”)

1. **Rendering Contact.Html Page:** contact.html

@app.route(“/contact”)

def contact():

return render\_template(“contact.html”)

1. **Rendering Login.Html Page**
2. **Directory structure**

project\_folder/

templates/

login.html

app.py

1. **login.html**

<!DOCTYPE html>

<html>

<head>

<title>Login Page</title>

</head>

<body>

<h1>Login</h1>

<form method="POST">

<label for="username">Username:</label>

<input type="text" id="username" name="username"><br><br>

<label for="password">Password:</label>

<input type="password" id="password" name="password"><br><br>

<input type="submit" value="Login">

</form>

</body>

</html>

1. **In the** app.py **file, use Flask to render the** login.html **page.**

from flask import Flask, render\_template

app = Flask(\_\_name\_\_)

@app.route('/login', methods=['GET'])

def login():

return render\_template('login.html')

if \_\_name\_\_ == '\_\_main\_\_':

app.run(debug=True)

Start the Flask development server by running the app.py script. Open a web browser and navigate to http://127.0.0.1:5000/login to see the rendered login.html page.

1. **Rendering Adminprofile.Html** adminprofile.html

@app.route(“/adminprofile”)

def aprofile():

return render\_template(“adminprofile.html”)

1. **Rendering The Adminregister.Html** adminregister.html
2. **Directory structure**

project\_folder/

templates/

adminregister.html

app.py

1. **adminregister.html**

<!DOCTYPE html>

<html>

<head>

<title>Admin Registration</title>

</head>

<body>

<h1>Admin Registration</h1>

<form method="POST">

<label for="username">Username:</label>

<input type="text" id="username" name="username"><br><br>

<label for="password">Password:</label>

<input type="password" id="password" name="password"><br><br>

<label for="email">Email:</label>

<input type="email" id="email" name="email"><br><br>

<input type="submit" value="Register">

</form>

</body>

</html>

1. **In the** app.py **file, use Flask to render the** adminregister.html **page.**

from flask import Flask, render\_template

app = Flask(\_\_name\_\_)

@app.route('/admin/register', methods=['GET'])

def admin\_register():

return render\_template('adminregister.html')

if \_\_name\_\_ == '\_\_main\_\_':

app.run(debug=True)

1. **Rendering Studentprofile.Html** studentprofile.html

@app.route(“/studentprofile”)

def sprofile():

return render\_template(“studentprofile.html”)

1. **Rendering The Studentsubmit.Html** studentsubmit.html
2. **Directory structure**

project\_folder/

templates/

studentsubmit.html

app.py

1. **studentsubmit.html**

<!DOCTYPE html>

<html>

<head>

<title>Student Submission</title>

</head>

<body>

<h1>Student Submission</h1>

<form method="POST">

<label for="assignment">Assignment Name:</label>

<input type="text" id="assignment" name="assignment"><br><br>

<label for="file">Upload File:</label>

<input type="file" id="file" name="file"><br><br>

<input type="submit" value="Submit">

</form>

</body>

</html>

1. **In the** app.py **file, use Flask to render the** studentsubmit.html **page.**

from flask import Flask, render\_template

app = Flask(\_\_name\_\_)

@app.route('/student/submit', methods=['GET'])

def student\_submit():

return render\_template('studentsubmit.html')

if \_\_name\_\_ == '\_\_main\_\_':

app.run(debug=True)

1. **Rendering Facultyprofile.Html** facultyprofile.html

@app.route(“/facultyprofile”)

def fprofile():

return render\_template(“facultyprofile.html”)

1. **Rendering Facutlystulist.Html** facultystulist.html
2. **Directory structure**

project\_folder/

templates/

facultystulist.html

app.py

1. **facultystulist.html**

<!DOCTYPE html>

<html>

<head>

<title>Faculty Student List</title>

</head>

<body>

<h1>Faculty Student List</h1>

<ul>

<li>Student 1</li>

<li>Student 2</li>

<li>Student 3</li>

<!-- Add more students as needed -->

</ul>

</body>

</html>

1. **In the** app.py **file, use Flask to render the** facultystulist.html **page.**

from flask import Flask, render\_template

app = Flask(\_\_name\_\_)

@app.route('/faculty/student-list', methods=['GET'])

def faculty\_student\_list():

return render\_template('facultystulist.html')

if \_\_name\_\_ == '\_\_main\_\_':

app.run(debug=True)

1. **Rendering Facultymarks.Html** facultymarks.html
2. **Directory structure**

project\_folder/

templates/

facultymarks.html

app.py

1. **facultymarks.html**

<!DOCTYPE html>

<html>

<head>

<title>Faculty Marks</title>

</head>

<body>

<h1>Faculty Marks</h1>

<table>

<tr>

<th>Student Name</th>

<th>Marks</th>

</tr>

<tr>

<td>Student 1</td>

<td>85</td>

</tr>

<tr>

<td>Student 2</td>

<td>92</td>

</tr>

<!-- Add more rows as needed -->

</table>

</body>

</html>

1. **In the** app.py **file, use Flask to render the** facultymarks.html **page.**

from flask import Flask, render\_template

app = Flask(\_\_name\_\_)

@app.route('/faculty/marks', methods=['GET'])

def faculty\_marks():

return render\_template('facultymarks.html')

if \_\_name\_\_ == '\_\_main\_\_':

app.run(debug=True)

1. **Logout**

@app.route(“/logout”)

def logout():

session.pop(‘loggedin’, None)

session.pop(‘id’, None)

session.pop(‘username’, None)

return render\_template(“logout.html”)