

**DEPARTMENT: ICT**

**OPTION: Information Technology**

**MODULE NAME:USSD APPLICATION**

**NAMES:UGIRAMAHIRWE GENEREUSE**

**REGNO:21RP03704**

**INFOCUS STUDIO WEB APPLICATION SOURCECODE WITHNTHEIR OUTPUT**

**INDEX.HTML**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Welcome to Infocus Studio Registration Page</title>

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

    <style>

        body{ background-color:rgb(54, 93, 93);

            font-weight:bold;

        }

    </style>

</head>

<body>

    <div class="container mt-5">

        <h1>Welcome to Infocus Studio Registration Page</h1>

        <form action="{{ url\_for('register') }}" method="post">

            <div class="form-group">

                <label for="firstName">First Name</label>

                <input type="text" class="form-control" id="firstName" name="firstName" required>

            </div>

            <div class="form-group">

                <label for="lastName">Last Name</label>

                <input type="text" class="form-control" id="lastName" name="lastName" required>

            </div>

            <div class="form-group">

                <label for="phone">Phone</label>

                <input type="text" class="form-control" id="phone" name="phone" required>

            </div>

            <div class="form-group">

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

                <input type="text" class="form-control" id="username" name="username" required>

            </div>

            <div class="form-group">

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

                <input type="password" class="form-control" id="password" name="password" required>

            </div><br>

            <button type="submit" class="btn btn-primary">Register</button>&nbsp;<p>Already have an account? <a href="{{ url\_for('login') }}">Login</a></p>

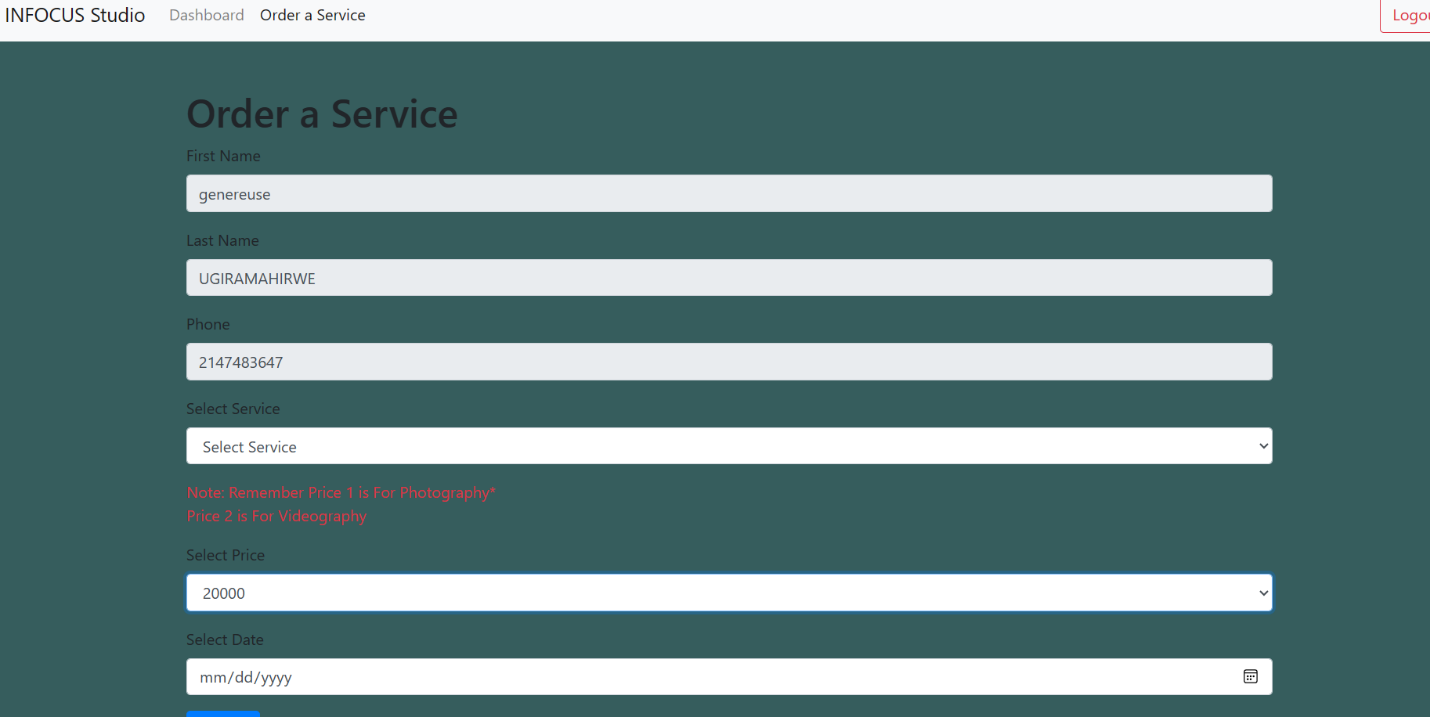
        </form>

    </div>

    <script src="{{ url\_for('static', filename='js/bootstrap.min.js') }}"></script>

</body>

</html>

****

**LOGIN.HTML**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Login to In focus Studio</title>

    <link rel="stylesheet" href="css/bootstrap.min.css">

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

    <style>

        body{ background-color:rgb(54, 93, 93);

        font-weight:bold;

    }

    </style>

</head>

<body>

    <div class="container mt-5">

        <h1>Login to In focus Studio</h1>

        <form action="" method="post">

            <div class="form-group">

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

                <input type="text" class="form-control" id="username" name="username" required>

            </div>

            <div class="form-group">

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

                <input type="password" class="form-control" id="password" name="password" required>

            </div>

            <br>

            <button type="submit" class="btn btn-primary">Login</button>&nbsp;<p>If you don't have an account, <a href="{{ url\_for('register') }}">Register</a></p>

        </form>

    </div>

    <script src="{{ url\_for('static', filename='js/bootstrap.min.js') }}"></script>

</body>

</html>

****

**DASHBOARD.HTML**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Dashboard</title>

    <link href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" rel="stylesheet">

    <style>

        /\* Custom CSS for navbar \*/

        .navbar-custom {

            background: linear-gradient(to right, teal, #6c757d); /\* Blue gradient \*/

        }

        .navbar-custom .navbar-brand {

            color: lightgray; /\* White text \*/

            font-weight:bold;

            font-family:tahoma;

        }

        .ul li a{

            color: white;

        }

        h1{

          color: teal;

          font-weight:;

            font-family:tahoma;

        }

        h2{

          color: teal;

            font-family:'Times New Roman', Times, serif;

            font-style:normal;

        }

        body{

          background-color:lightgray;

        }

        .content{

          width:2000px;

          background: linear-gradient(to right, gray, teal);

          border-radius: 2%;

          font-weight:bold;

          font-family: tahoma;

        }

    </style>

</head>

<body>

    <nav class="navbar navbar-expand-lg navbar-light navbar-custom">

        <a class="navbar-brand" href="#">INFOCUS Studio</a>

        <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">

          <span class="navbar-toggler-icon"></span>

        </button>

        <div class="collapse navbar-collapse" id="navbarSupportedContent">

          <ul class="navbar-nav mr-auto text-white">

            <li class="nav-item active">

              <a class="nav-link" href="">Dashboard <span class="sr-only">(current)</span></a>

            </li>

            <li class="nav-item">

                <a class="nav-link" href="{{ url\_for('order\_service') }}">Order a Service</a>

            </li>

          </ul>

          <form class="form-inline my-2 my-lg-0">

            <a href="/logout" class="btn btn-outline-light my-2 my-sm-0">Logout</a>

          </form>

        </div>

    </nav>

    <div class="container mt-5">

    <div class="welcome" ><h1>Welcome to Infocus Studio System</h1></div>

    <hr>

    <br><br>

        <h2>Welcome User {{ username }}</h2>

        <br><br>

        <div class="content"><h2>Our Services</h2>

        <ol>

            <li>Photography</li>

            <li>Videography</li>

        </ol></div>

    </div>

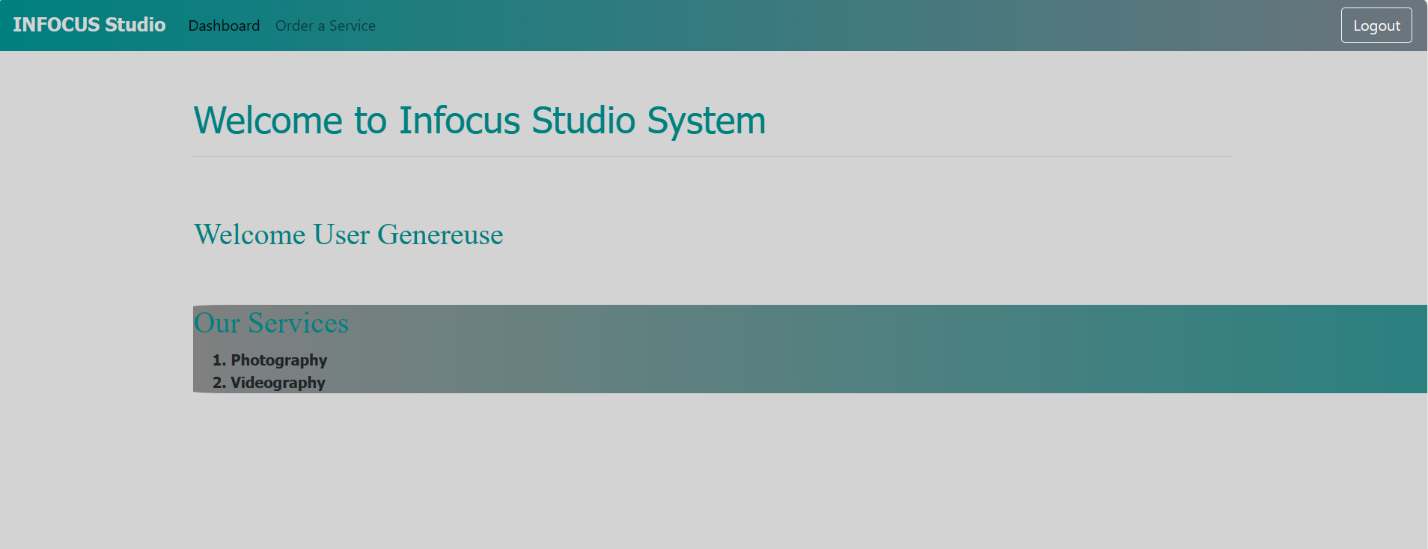
    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>

    <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.5.3/dist/umd/popper.min.js"></script>

    <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

</body>

</html>

****

**ORDER\_SERVICES.HTML**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Order a Service</title>

    <link href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" rel="stylesheet">

    <style>

        /\* Custom CSS for navbar \*/

        .navbar-custom {

            background: linear-gradient(to right, #007bff, #6c757d); /\* Blue gradient \*/

        }

        .navbar-custom .navbar-brand {

            color: #ffffff; /\* White text \*/

        }

        .ul li a{

            color: white;

        }

        body{

            background-color:rgb(54, 93, 93);

        }

    </style>

</head>

<body>

    <nav class="navbar navbar-expand-lg navbar-light bg-light">

        <a class="navbar-brand" href="#">INFOCUS Studio</a>

        <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">

          <span class="navbar-toggler-icon"></span>

        </button>

        <div class="collapse navbar-collapse" id="navbarSupportedContent">

          <ul class="navbar-nav mr-auto">

            <li class="nav-item">

              <a class="nav-link" href="{{ url\_for('dashboard') }}">Dashboard</a>

            </li>

            <li class="nav-item active">

              <a class="nav-link" href="{{ url\_for('order\_service') }}">Order a Service</a>

            </li>

          </ul>

          <form class="form-inline my-2 my-lg-0">

            <a href="/logout" class="btn btn-outline-danger my-2 my-sm-0">Logout</a>

          </form>

        </div>

    </nav>

    {% with messages = get\_flashed\_messages(with\_categories=true) %}

    {% if messages %}

        {% for category, message in messages %}

            <div class="alert alert-{{ category }}">

                {{ message }}

            </div>

        {% endfor %}

    {% endif %}

{% endwith %}

    <div class="container mt-5">

        <h1>Order a Service</h1>

        <form action="{{ url\_for('order\_service') }}" method="post">

            <div class="form-group">

                <label for="firstName">First Name</label>

                <input type="text" class="form-control" id="firstName" name="firstName" value="{{ user.Firstname }}" required readonly>

            </div>

            <div class="form-group">

                <label for="lastName">Last Name</label>

                <input type="text" class="form-control" id="lastName" name="lastName" value="{{ user.Lastname }}" required readonly>

            </div>

            <div class="form-group">

                <label for="phone">Phone</label>

                <input type="text" class="form-control" id="phone" name="phone" value="{{ user.phone }}" required readonly>

            </div>

            <div class="form-group">

                <label for="service">Select Service</label>

                <select class="form-control" id="service" name="service\_name" required>

                    <option value="">Select Service</option>

                    {% for service in services %}

                        <option value="{{ service.service\_name }}">{{ service.service\_name }}</option>

                    {% endfor %}

                </select>

            </div>

            <div>

                <p class="text-danger text-fw-bold">Note: Remember Price 1 is For Photography\*<br> Price 2 is For Videography</p>

            </div>

            <div class="form-group">

                <label for="service">Select Price</label>

                <select class="form-control" id="service\_price" name="service\_price" required>

                    <option value="">Select price</option>

                    {% for service in services %}

                        <option value="{{ service.price }}">{{ service.price }}</option>

                    {% endfor %}

                </select>

            </div>

            <div class="form-group">

                <label for="date">Select Date</label>

                <input type="date" class="form-control" id="date" name="date" required>

            </div>

            <button type="submit" class="btn btn-primary">Submit</button>

        </form>

    </div>

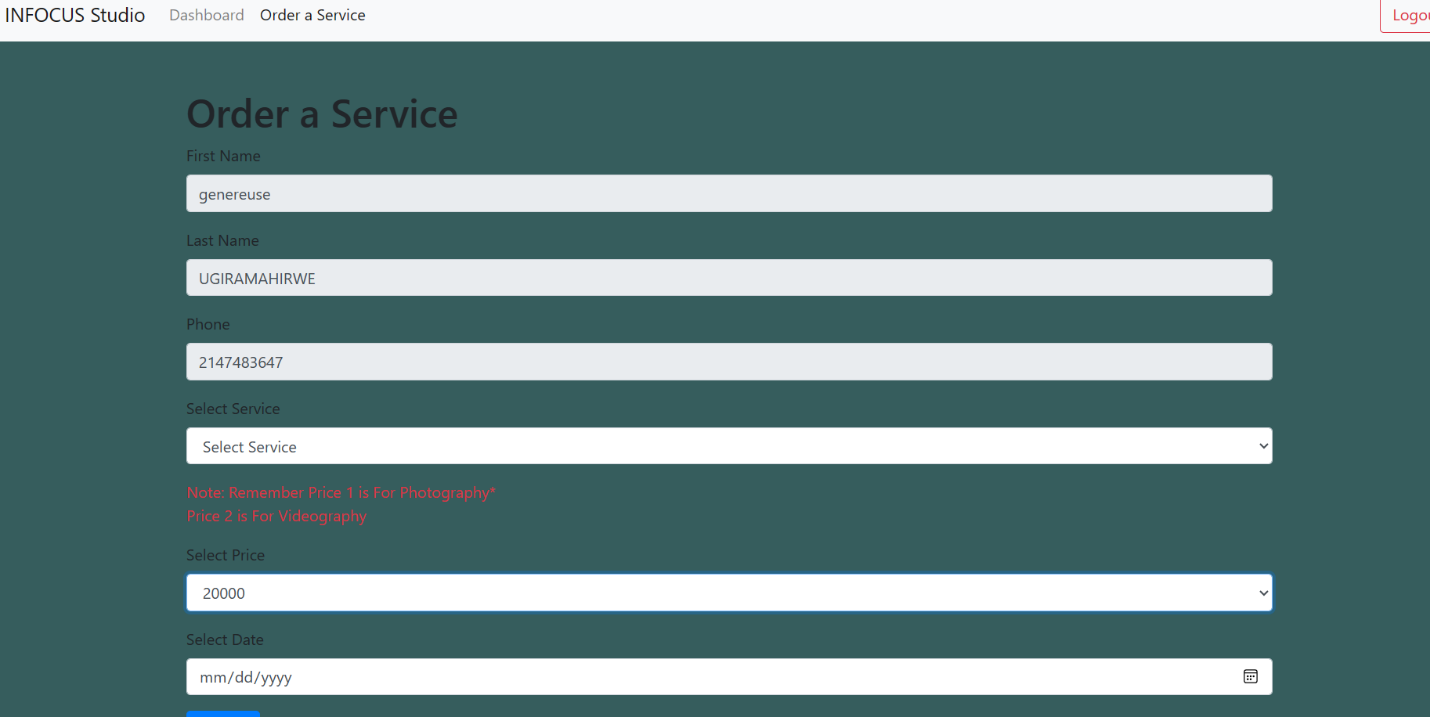
    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>

    <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.5.3/dist/umd/popper.min.js"></script>

    <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

</body>

</html>

****

**App.py**

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

import mysql.connector

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

app.secret\_key = "your\_secret\_key"  # Change this to a secure random key in production

# Function to connect to the MySQL database

def get\_db\_connection():

    return mysql.connector.connect(

        host='localhost',

        user='root',

        password='',

        database='infocus\_studio'

    )

# Register user route

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

def register():

    if request.method == 'POST':

        firstname = request.form['firstName']

        lastname = request.form['lastName']

        phone = request.form['phone']

        username = request.form['username']

        password = request.form['password']

        conn = get\_db\_connection()

        cursor = conn.cursor()

        cursor.execute('INSERT INTO users (Firstname, Lastname, phone, Username, Password) VALUES (%s, %s, %s, %s, %s)',

                       (firstname, lastname, phone, username, password))

        conn.commit()

        cursor.close()

        conn.close()

        return redirect(url\_for('login'))

    return render\_template('index.html')

@app.route('/')

def index():

    return render\_template('index.html')

# Login route

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

def login():

    if request.method == 'POST':

        username = request.form['username']

        password = request.form['password']

        conn = get\_db\_connection()

        cursor = conn.cursor(dictionary=True)

        cursor.execute('SELECT \* FROM users WHERE Username = %s AND Password = %s', (username, password))

        user = cursor.fetchone()

        cursor.close()

        conn.close()

        if user:

            session['user\_id'] = user['user\_id']

            return redirect(url\_for('dashboard'))

        else:

            return render\_template('login.html', error='Invalid username or password')

    return render\_template('login.html')

# Dashboard route

@app.route('/dashboard')

def dashboard():

    if 'user\_id' in session:

        conn = get\_db\_connection()

        cursor = conn.cursor(dictionary=True)

        cursor.execute('SELECT \* FROM users WHERE user\_id = %s', (session['user\_id'],))

        user = cursor.fetchone()

        cursor.close()

        conn.close()

        if user:

            return render\_template('dashboard.html', username=user['Username'])

    return redirect(url\_for('login'))

@app.route('/order\_service', methods=['GET', 'POST'])

def order\_service():

    # Fetch services from the database

    services = fetch\_services\_from\_database()

    if request.method == 'POST':

        # Retrieve form data

        firstName = request.form['firstName']

        lastName = request.form['lastName']

        phone = request.form['phone']

        service\_name = request.form['service\_name']

        service\_price = request.form['service\_price']

        date = request.form['date']

        # Fetch user data from the database based on the session

        user = fetch\_user\_from\_session()

        if user:

            # Insert order into database

            insert\_order\_into\_database(firstName, lastName, phone, service\_name, service\_price, date)

            # Redirect or render a thank you page

            flash('Order sent successfully!', 'success')

            return redirect(url\_for('order\_service'))

        else:

            # Handle the case where the user session is invalid

            return redirect(url\_for('login'))

    # Fetch user data from the session

    user = fetch\_user\_from\_session()

    return render\_template('order\_service.html', services=services, user=user)

def fetch\_user\_from\_session():

    # Fetch user data from the session based on the user\_id

    user\_id = session.get('user\_id')

    if user\_id:

        connection = get\_db\_connection()

        cursor = connection.cursor(dictionary=True)

        cursor.execute("SELECT Firstname, Lastname, phone FROM users WHERE user\_id = %s", (user\_id,))

        user = cursor.fetchone()

        cursor.close()

        connection.close()

        return user

    else:

        return None

def fetch\_services\_from\_database():

    # Fetch services data from the database (replace this with your actual database query)

    connection = get\_db\_connection()

    cursor = connection.cursor(dictionary=True)

    cursor.execute("SELECT service\_id, service\_name,price FROM services")

    services = cursor.fetchall()

    cursor.close()

    connection.close()

    return services

def get\_service\_price\_from\_database(service\_id):

    # Fetch service price from the database (replace this with your actual database query)

    connection = get\_db\_connection()

    cursor = connection.cursor()

    cursor.execute("SELECT price FROM services WHERE service\_id = %s", (service\_id,))

    result = cursor.fetchone()

    cursor.close()

    connection.close()

    if result:

        return result[0]

    else:

        return None

def insert\_order\_into\_database(firstName, lastName, phone, service\_name, service\_price, date):

    # Insert order into the database (replace this with your actual database insert statement)

    connection = get\_db\_connection()

    cursor = connection.cursor()

    cursor.execute("INSERT INTO orders (Firstname, Lastname, phone, service\_name, price, date) VALUES (%s, %s, %s, %s, %s, %s)",

                   (firstName, lastName, phone, service\_name, service\_price, date))

    connection.commit()

    cursor.close()

    connection.close()

# Logout route

@app.route('/logout')

def logout():

    session.pop('user\_id', None)

    return redirect(url\_for('login'))

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

    app.run(debug=True)