Register. html   Source Code

```html
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1">
<style>
   *{
   padding:0;
   margin:0;
   font-family: sans-serif;
}
body{
 background: url(C:\Users\THENMOZHI\Downloads\shutterstock_1015800871-
1.jpg)no-repeat;
 background-size: cover;
 }
 .registration-form{
position:absolute;
top:50%;
left: 50%;
transform: translate(-50%, -50%);
width:400px;
 }
.registration-form h1{
   font-size: 30px;
   text-align: center;
   text-transform: uppercase;
   margin: 0 4px;
   display:flex;
   justify-content: center;
   cursor: pointer;
   border-radius: 20px;
   color:blue;
   text-shadow:0 0 15px blue,0 0 25px yellow;
   animation: animate 1.5s linear infinite;
}
.registration-form p{
   font-size: 20px;
```

```css
    margin: 15px 0;
}
.registration-form input{
    font-size: 16px;
    padding: 15px 10px;
    width: 100%;
    border: 0;
    border-radius: 5px;
    outline: none;
    background: rgba( 255, 255, 255, 0.25 );
box-shadow: 0 8px 32px 0 rgba( 31, 38, 135, 0.37 );
backdrop-filter: blur( 4px );
-webkit-backdrop-filter: blur( 4px );
border-radius: 10px;
border: 1px solid rgba( 255, 255, 255, 0.18 );
}
.registration-form button{
    font-size: 18px;
    font-weight: bold;
    margin: 20px 0;
    padding: 10px 15px;
    width: 50%;
    border: 0;
    border-radius: 5px;
    background-color: #fff;
    background: rgba( 255, 255, 255, 0.25 );
box-shadow: 0 8px 32px 0 rgba( 31, 38, 135, 0.37 );
backdrop-filter: blur( 4px );
-webkit-backdrop-filter: blur( 4px );
border-radius: 10px;
border: 1px solid rgba( 255, 255, 255, 0.18 );
}
.registration-form button:hover{
    color: blue;
}
.alreadylogin{
    text-align: center;
    font-size: 18px;
}
.alreadylogin h3{
```

```html
    text-align: center;
    font-size: 15px;
}
.alreadylogin a{
    font-size: 15px;
}
.alreadylogin a:hover{
    color: blue;
}
<title>
    Login page
</title>
</style>
</head>
<body>
<div class="registration-form">
    <h1>
     Login
    </h1>
    <form action="#" method="post">

      <p>
       Email:
      </p>
      <input type="email" name="email" placeholder="Email">
      <p>
       Password:
      </p>
      <input type="password" name="password" placeholder="Password">
      <br>
      <button type="submit">
      Login
      </button>
    </form>
    <br>
    <div class="alreadylogin">
       <h3>if you don't register please click here </h3><a
href="register.html">REGISTER HERE</a>
    </div>
</div>
```

```html
</div>

<div class="square"></div>

</body>
</html>
```

Index.html

```html
<html>
<head>
<meta name="viewport"content="with=device-width, initial-scale=1.0">
<title>
Nutrition Assistant Application
</title>
<link rel="stylesheet" href="thenmozhi.css">
<link rel="preconnect" href="https://fonts.googleapis.com">
<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
<link
href="https://fonts.googleapis.com/css2?family=Poppins:ital,wght@0,100;0,200;0,
300;0,400;0,500;1,100&display=swap" rel="stylesheet">
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/@fortawesome/fontawesome-
free@6.2.0/css/fontawesome.min.css">
</head>
<body>
   <section class="header">
      <div class="title">
         <h1>NUTRITION ASSISTANT</h1>
      </div>
      <nav>

   <div class="nav-links">

      <ul>
         <li>
            <a href="register.html">REGISTER</a>
         </li>
         <li>
            <a href="login.html">LOGIN</a>
```

```html
        </li>
        <li>
           <a href="upload image.html">UPLOAD IMAGE</a>
        </li>
        <li>
           <a href="#">HISTORY</a>
        </li>
     </ul>
   </div>

</nav>
<nav>
<div class="container">
   <video src="C:\Users\THENMOZHI\Documents\videoes.mp4"  autoplay muted
loop></video>
</nav>
<br>
<div class="text-box">
   <h1>
      Nutrition app
   </h1>
   <p>
      A Nutrition Assistant is a specialist that uses diagnostic procedures to identify
nutrition deficiencies in patients.
      <br> They work closely with nutritionists and dietitians to improve the well-
being of patients through proper nutrition.
      <br> Nutritionists need to determine their patients' needs through
interviewing them and giving them the best meal plans after assessing all risk
factors.

   </p>
</div>
<br>
   </section>
   <! ------data-->
   <section class="data">
<h1>
   Nutrition Food
</h1>
<div class="row">
```

```
<div class="data-col">
<p>
    Providing dieticians with the facility's meal and menu planning.
```
Obtaining dietary information and assessing the nutritional habits of patients.
Recording individual risk factors or dietary restrictions that might impact meal planning.
Coordinating meal plans with nutritionists and healthcare professionals.
Performing ongoing nutrition assessments, including the measurement of caloric intake and activity levels.
Facilitating immediate interventions for signs of malnutrition, allergic reactions, or refusal to eat.
Assisting in meal distribution, ensuring correctly delivered, and timely served meals.
Maintaining proper sterilization protocols in the clearing away and cleaning of plates and utensils.
Safely discarding leftover portions to prevent the spread of disease.
Instructing patients and families on nutrition plans and healthy eating habits.

```
    </p>

  </div>
<div class="course-col">
  <img src="C:\Users\THENMOZHI\Downloads\shutterstock_1015800871-1.jpg" width="300" height="250">
</div>
</div>
<br>
<div class="row">
  <div class="course-cols">
    <img src="C:\Users\THENMOZHI\Downloads\calories-counting-diet-food-control-and-weight-loss-concept-calorie-768.jpg" width="300" height="250">
  </div>
  <div class="data-cols">
```
    Nutrient-dense foods are rich in vitamins, minerals and other nutrients important for health, without too much saturated fat, added sugars and sodium. We're talking fruits, vegetables, whole grains, non-fat and low-fat dairy, fish and seafood, unprocessed lean meat and skinless poultry, nuts and legumes.Water is the best choice for quenching your thirst. etes, and obesity.
```
  </div>
```

```html
    </div>

    </section>
    <section class="upload">
    <h1>
       Nutrition Benifits
    </h1>
    <br>

<div class="row">
   <div class="upload-col">
      <img src="C:\Users\THENMOZHI\Downloads\is-the-dash-diet-right-for-you-722x406.jpg">
      <div class="layer">
        <h3>Nutrition<br>
           Nutrient-dense foods are rich in vitamins, minerals and other nutrients important for health, without too much saturated fat, added sugars and sodium. We're talking fruits, vegetables, whole grains, non-fat and low-fat dairy, fish and seafood, unprocessed lean meat and skinless poultry, nuts and legumes.Water is the best choice for quenching your thirst. Etc s, and obesity.
        </h3>
      </div>
   </div>
</div>
   </section>


   </section>
</body>
```

Python Code

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

app = Flask(__name__)

app.secret_key = 'a'
```

```python
conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=125f9f61-9715-46f9-9399-
c8177b21803b.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=30426;SECURITY=SSL;
","","")

@app.route('/')

def homer():
    return render_template('home.html')


@app.route('/login',methods =['GET', 'POST'])
def login():
    global userid
    msg = ''


    if request.method == 'POST' :
        username = request.form['username']
        password = request.form['password']
        sql = "SELECT * FROM users WHERE username =? AND password=?"
        stmt = ibm_db.prepare(conn, sql)
        ibm_db.bind_param(stmt,1,username)
        ibm_db.bind_param(stmt,2,password)
        ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)
        print (account)
        if                    account:
            session['loggedin'] = True
            session['id'] = account['USERNAME']
            userid= account['USERNAME']
            session['username'] = account['USERNAME']
            msg = 'Logged in successfully !'

            msg = 'Logged in successfully !'
            return render_template('dashboard.html', msg = msg)
        else:
            msg = 'Incorrect username / password !'
    return render_template('login.html', msg = msg)
```

```python
@app.route('/register', methods =['GET', 'POST'])
def registet():
    msg = ''
    if request.method == 'POST' :
        username = request.form['username']
        email = request.form['email']
        password = request.form['password']
        sql = "SELECT * FROM users WHERE username =?"
        stmt = ibm_db.prepare(conn, sql)
        ibm_db.bind_param(stmt,1,username)
        ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)
        print(account)
        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 = 'name must contain only characters and numbers !'
        else:
            insert_sql = "INSERT INTO  users VALUES (?, ?, ?)"
            prep_stmt = ibm_db.prepare(conn, insert_sql)
            ibm_db.bind_param(prep_stmt, 1, username)
            ibm_db.bind_param(prep_stmt, 2, email)
            ibm_db.bind_param(prep_stmt, 3, password)
            ibm_db.execute(prep_stmt)
            msg = 'You have successfully registered !'
    elif request.method == 'POST':
        msg = 'Please fill out the form !'
    return render_template('register.html', msg = msg)


@app.route('/logout')

def logout():
    session.pop('loggedin', None)
    session.pop('id', None)
    session.pop('username', None)
```
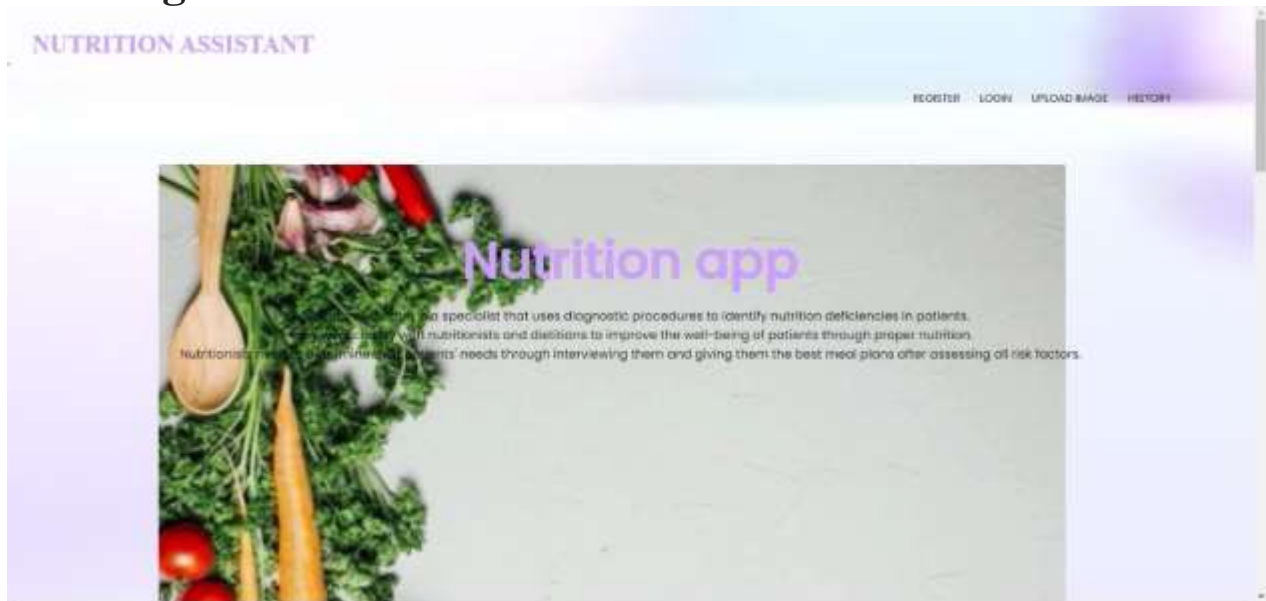
```
    return render_template('home.html')

if __name__ == '__main__':
    app.run(host='0.0.0.0')
```

Screenshots

UI Page

Login Page

LOGIN

Email:

Email

Password:

Password

Login

if you don't register please click here
REGISTER HERE

Register Page

REGISTRATION FORM

Full name:

Full name

User Name:

User name

Email:

Email

Password:

Password

Confirm Password:

Password

Register

if you already login
LOGIN HERE