project development phase

Sprint-1

Date	Nov 15 2022
Team id	PNT2022TMID32693
Project name	AI powered nutrition analyzer for fitness enthusiasts

In sprint-1 we performed login registration phase and we used ibm db2 database

Codes

Login.html

```html
<!DOCTYPE html>

<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">
<script src="https://cdn.bootcss.com/jquery/3.3.1/jquery.min.js"></script>
<script
src="https://cdn.bootcss.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>
<link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css/bootstrap.min.css"
rel="stylesheet">
<script src="{{ url_for('static', filename='js/main.js') }}"
type="text/javascript"></script>
<link href="{{ url_for('static', filename='css/mystyle.css') }}"
rel="stylesheet">
</head>
<body>
    <div>
        <nav class="navbar navbar-expand-sm bg-dark navbar-dark">
            <div class="container-fluid">
                <ul class="navbar-nav">
                    <li class="nav-item"><a class="navbar-brand" href="{{
url_for('home')}}">Nutrition Analyzer</a></li>
                </ul>
                <ul class="navbar-nav">
                    <li class="nav-item">
                        <a class="nav-link active" href="{{
url_for('registration')}}">Register</a>
                    </li>
```

```
            </ul>
        </div>
    </nav>
</div>

<div>
    <div class="bg-login">
        <img src="{{ url_for('static', filename='images/fruits1.jpg') }}">
        <form method="post" action="{{ url_for('login')}}" class="container-login">
            <h1>Login</h1>

            <label for="email"><b>Email</b></label>
            <input class="logininputs" type="text" placeholder="Enter Email" name="email" required>

            <label for="password"><b>Password</b></label>
            <input class="logininputs" type="password" placeholder="Enter Password" name="password" required>

            <button type="submit" class="btn-login">Login</button>
            <a class="nav-link active registerink" href="{{ url_for('registration')}}" style="margin-top:15px;">Register Yourself?</a>
        </form>
    </div>
</div>
</body>
</html>
```

Registration.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Registeration</title>
<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">
<script src="https://cdn.bootcss.com/jquery/3.3.1/jquery.min.js"></script>
<script src="https://cdn.bootcss.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css/bootstrap.min.css" rel="stylesheet">
<script src="{{ url_for('static', filename='js/main.js') }}" type="text/javascript"></script>
<link href="{{ url_for('static', filename='css/mystyle.css') }}" rel="stylesheet">
```

```html
</head>
<body>
    <div>
        <nav class="navbar navbar-expand-sm bg-dark navbar-dark">
            <div class="container-fluid">
                <ul class="navbar-nav">
                    <li class="nav-item"><a class="navbar-brand" href="{{
url_for('home')}}">Nutrition Analyzer</a></li>
                </ul>
              <ul class="navbar-nav">
                  <li class="nav-item">
                      <a class="nav-link active" href="{{
url_for('login')}}">Login</a>
                    </li>
                </ul>
            </div>
        </nav>
    </div>

    <div>
          <div class="bg-login">
              <img src="{{ url_for('static', filename='images/fruits3.jpg')
}}">
              <form  method="post" action="{{ url_for('registration')}}"
class="container-register">
                    <h1>Register</h1>
                    <label>Username:</label>
                    <input type="text" placeholder="Username" id="usernameR"
name="username" class="registerinputs"/><br><br>
                    <label>Mobile Number:</label>
                    <input type="text" placeholder="Number" id="numberR"
name="number" class="registerinputs"/><br><br>
                    <label>Email:</label>
                    <input type="text" placeholder="Email" id="emailR"
name="email" class="registerinputs"/><br><br>
                    <label>Password:</label>
                    <input type="password" placeholder="Password"
id="passwordR" name="password" class="registerinputs"/><br><br>
                    <label>Confirm Password:</label>
                    <input type="password" placeholder="Confirm Password"
id="confirmpasswordR" name="confirmpassword" class="registerinputs"/><br><br>
                    <button id="registerbtn" class="btn btn-info"
><b>Register</b></button>
                    </form>
          </div>
    </div>
</body>
</html>
```

Connecting to database with python API

```python
from flask import Flask, render_template, request
import os
import numpy as np
from tensorflow.keras.models import load_model
from tensorflow.keras.preprocessing import image
from flask import session
from flask import Flask, redirect, url_for
import requests
import json
import ibm_db

app = Flask(__name__, template_folder="templates")
app.secret_key = 'NutritionAnalyzer'
model = load_model('NutritionAnalyser.h5')
print("Loaded model from disk")


def connectToDB():
    try:
        connection = ibm_db.connect("DATABASE=bludb;\
        HOSTNAME=125f9f61-9715-46f9-9399-
c8177b21803b.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;\
        PORT=30426;\
        Security=SSL;\
        SSLServerCertificate=DigiCertGlobalRootCA.crt;\
        UID=qlj81410;\
        PWD=phBPVWNuoifGiYIC;", "", "")
        print("Connected to DB!")
        return connection
    except:
        print("error while connecting ", ibm_db.conn_errormsg())
        return 0


connection = connectToDB()


@app.route('/', methods=['GET', 'POST'])
def login():
    if request.method == 'POST':
        email = request.form['email']
```

```python
        password = request.form['password']
        print(email)
        print(password)
        query = "SELECT * FROM QLJ81410.USERS WHERE email=? AND password=?"
        stmt = ibm_db.prepare(connection, query)
        ibm_db.bind_param(stmt, 1, email)
        ibm_db.bind_param(stmt, 2, password)
        ibm_db.execute(stmt)
        result = ibm_db.fetch_assoc(stmt)
        print("result - ", result)

        if result:
            print("yes logged in")
            username = result['USERNAME']
            return render_template("home.html", username=(username))

    else:
        return render_template('login.html')


@app.route('/Classify')
def index():
    return render_template('index.html')


@app.route('/Registration', methods=['GET', 'POST'])
def registration():
    if request.method == 'POST':
        username = request.form['username']
        number = request.form['number']
        email = request.form['email']
        password = request.form['password']
        print(username)
        print(number)
        print(email)
        print(password)

        query = "insert into QLJ81410.USERS values('"+username + \
            "','"+number+"','"+email+"','"+password+"')"
        stmt = ibm_db.exec_immediate(connection, query)
        rowcount = ibm_db.num_rows(stmt)

    return render_template('registration.html')
```
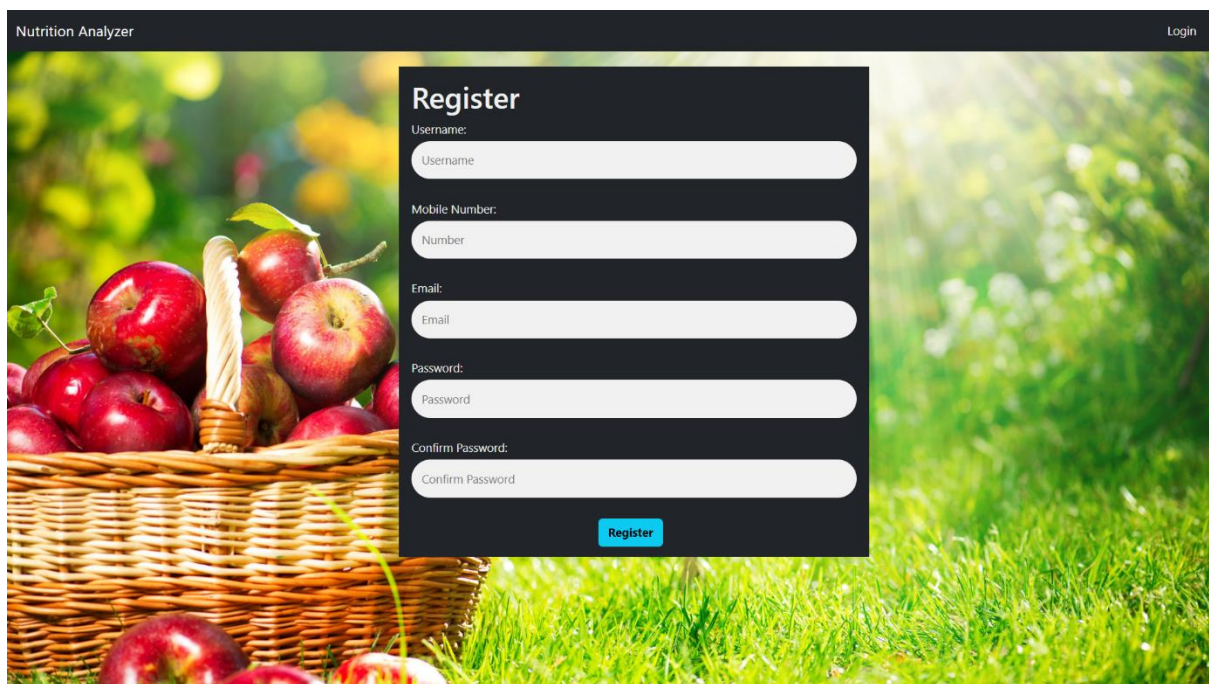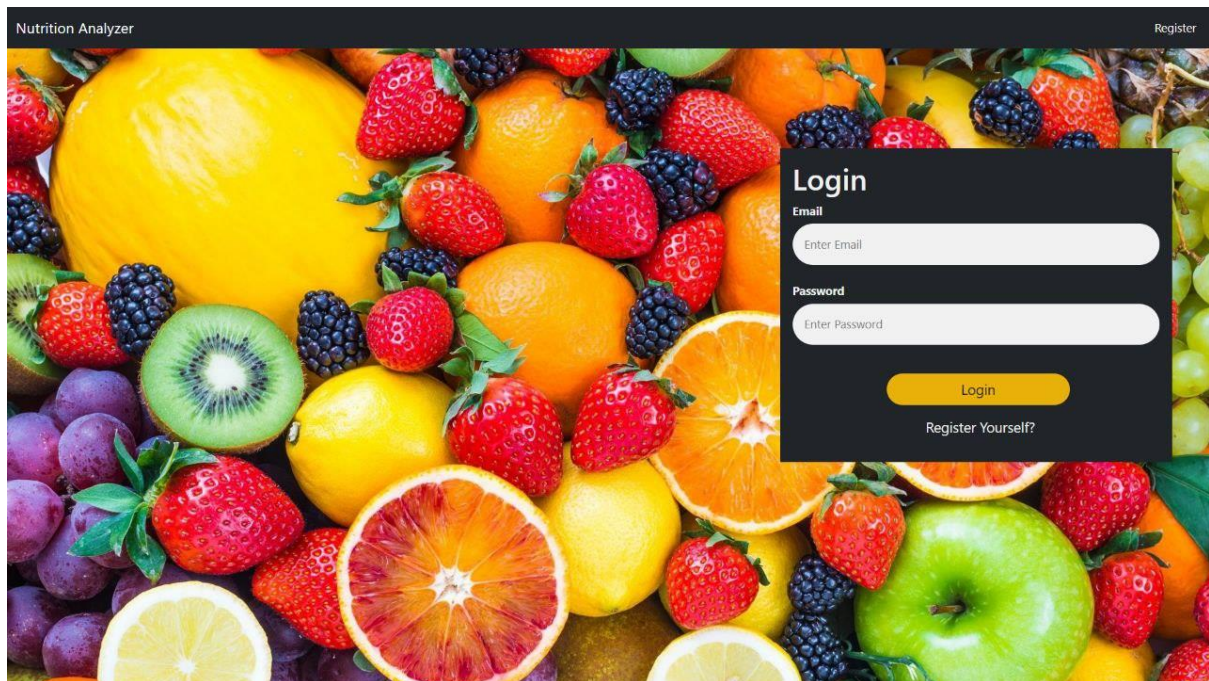
screenshots

Load Data   Load History   **Tables**   Views   Indexes   Aliases   MQTs   Sequences   Application objects

SQL

QLJ81410.USERS

Back

🗑   Export to CSV ⬇

USERNAME	NUMBER	EMAIL	PASSWORD
thiru	9360113664	sundar.thirumal888@gmail.com	thiru
varun	9092820737	varunvjpr1608@gmail.com	varun