

## App.py:

```
from flask import Flask,render_template,redirect,url_for, request,session

import ibm_db

import credentials

from flask_mail import Mail, Message


app=Flask(__name__)


#Database connection

conn =
ibm_db.connect("DATABASE="+credentials.DB2_DATABASE_NAME+";HOSTNAME="+credentials.DB
2_HOST_NAME+";PORT="+credentials.DB2_PORT+";SECURITY=SSL;SSLServerCertificate=DigiCertGlo
balRootCA.crt;UID="+credentials.DB2_UID+";PWD="+credentials.DB2_PWD+"","")


# configuration of mail

app.config['MAIL_SERVER']='smtp.gmail.com'

app.config['MAIL_PORT'] = 465

app.config['MAIL_USERNAME'] = 'infonutrassi@gmail.com'

app.config['MAIL_PASSWORD'] = 'mgatvwljsrcdswm'

app.config['MAIL_USE_TLS'] = False

app.config['MAIL_USE_SSL'] = True

mail = Mail(app) # instantiate the mail class


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

def send():

    if request.method == "POST":

        email = request.form['email']
```

```
msg = request.form['message']
subject = request.form['subject']
message= Message(subject,recipients=["infonutrassi@gmail.com"])
message.sender = email
message.body = msg
mail.send(message)
success="Message sent"
return render_template("result.html",success=success)
```

#routing

```
@app.route('/')
```

```
def signin():
```

```
    return render_template('signin.html')
```

```
@app.route('/contact')
```

```
def contact():
```

```
    return render_template('contact.html')
```

#Nutrition finding result page

```
@app.route('/upload')
```

```
def upload():
```

```
    return render_template('upload image.html')
```

```
@app.route('/signup')
```

```
def signup():
```

```
    return render_template('signup.html')
```

```
@app.route('/index')
```

```
def index():
```

```
    return render_template('index.html')
```

```
#logout
```

```
@app.route('/logout')
```

```
def logout():
```

```
    if 'email' in session:
```

```
        session.pop('email',None)
```

```
        return redirect('/')
```

```
    return redirect('/')
```

```
#Signup page
```

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

```
def postSignUpData():
```

```
    msg=""
```

```
    if request.method == 'POST':
```

```
        name = request.form.get("name",False)
```

```
        email = request.form.get("email",False)
```

```
        password = request.form.get("password",False)
```

```
        username = request.form.get("username",False)
```

```
    sql = "SELECT * FROM user WHERE email=?"
```

```
    stmt = ibm_db.prepare(conn, sql)
```

```
    ibm_db.bind_param(stmt,1,email)
```

```
    ibm_db.execute(stmt)
```

```
    account = ibm_db.fetch_assoc(stmt)
```

```
    if account:
```

```
        return render_template('signup.html', msg="You are already a member, please login using  
your details")
```

```
    else:
```

```
        insert_sql = "INSERT INTO user VALUES (?, ?, ?, ?)"
```

```
        prep_stmt = ibm_db.prepare(conn, insert_sql)
```

```
    ibm_db.bind_param(prepare_stmt,1, email)
    ibm_db.bind_param(prepare_stmt,2, password)
    ibm_db.bind_param(prepare_stmt,3, name)
    ibm_db.bind_param(prepare_stmt,4, username)
    ibm_db.execute(prepare_stmt)
    msg="Registration successfull.."
    return render_template('signin.html',msg=msg)
```

#### #Signin Page

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

        sql = "SELECT PASSWORD FROM user WHERE email=?"
        stmt = ibm_db.prepare(conn, sql)
        ibm_db.bind_param(stmt,1,email)
        ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)
        print(account)
        if account and account["PASSWORD"]==password:
            return render_template('index.html',email=email)
        else:
            msg="username or password is incorrect"
            return render_template('signin.html',msg=msg)
```

#### #Profile

```
@app.route('/profile')
def profile():
```

```
sql = "SELECT * FROM user"

stmt = ibm_db.exec_immediate(conn, sql)

while ibm_db.fetch_row(stmt) != False:

    email= ibm_db.result(stmt, 0)

    name= ibm_db.result(stmt, 2)

    username= ibm_db.result(stmt, 3)

    return render_template("profile.html", name=name, email=email, username=username)
```

```
if __name__=='__main__':

    app.run(host='0.0.0.0',port=8080,debug=True)
```