IMPLEMENTING WEB APPLICATION

Create IBM DB2 and Connect with Python

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Project Name	Nutrition Assistant Application
Team Members	R.Abidha , G.Meena E.Pavithra , B.Reshmaa

Code:

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

import ibm_db
conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=9938aec0-8105-433e-8bf9-0fbb7e483086.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;
PORT=32459;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=flg36832;PWD=inj6N0FQbZdukmqv",'','')
app = Flask(__name__)


@app.route("/")
def Log():
    return render_template('LoginRegister.html')

@app.route("/")
def Regs():
    return render_template('LoginRegister.html')

print('Database connected Successfully')

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

        name = request.form['username']
        email = request.form['Emailaddress']
        password = request.form['password']
        sql = "SELECT * FROM Register 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('LoginRegister.html', msg="You are already a member, please login using your details")
        else:
            insert_sql = "INSERT INTO Register VALUES (?,?,?)"
            prep_stmt = ibm_db.prepare(conn, insert_sql)
            ibm_db.bind_param(prep_stmt, 1, name)
            ibm_db.bind_param(prep_stmt, 2, email)
```

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            ibm_db.bind_param(prep_stmt, 1, name)
            ibm_db.bind_param(prep_stmt, 2, email)
            ibm_db.bind_param(prep_stmt, 3, password)
            ibm_db.execute(prep_stmt)

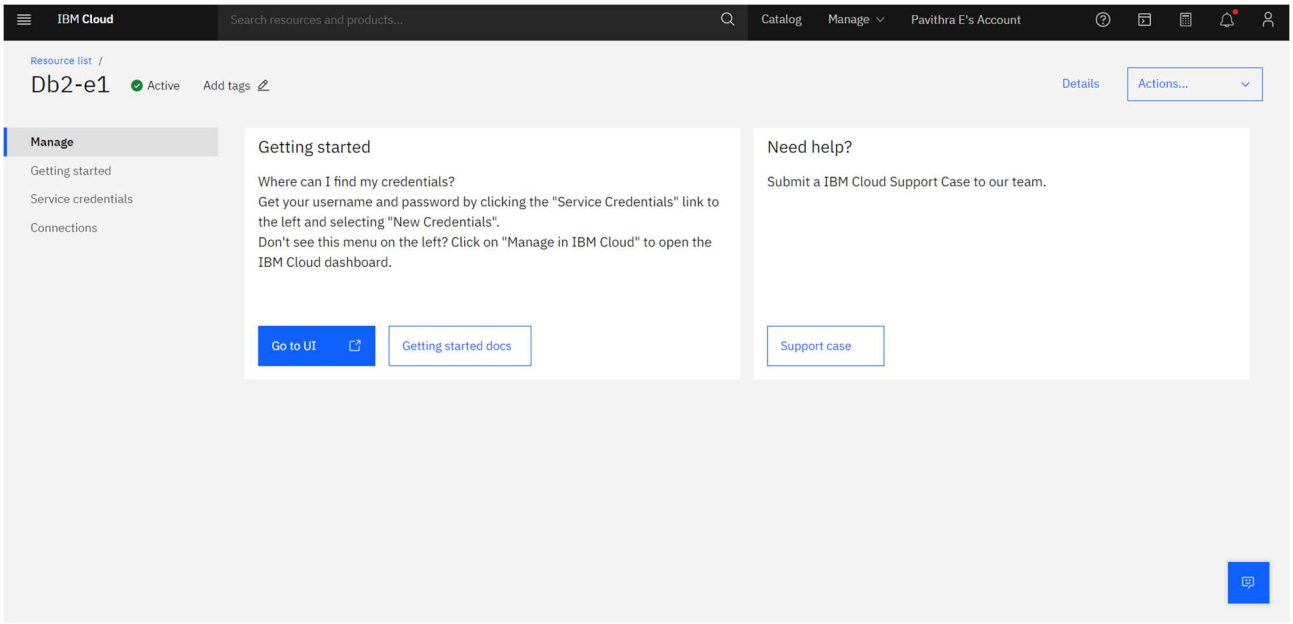
        return render_template('LoginRegister.html', msg="Data saved successfuly..Please login using your details")

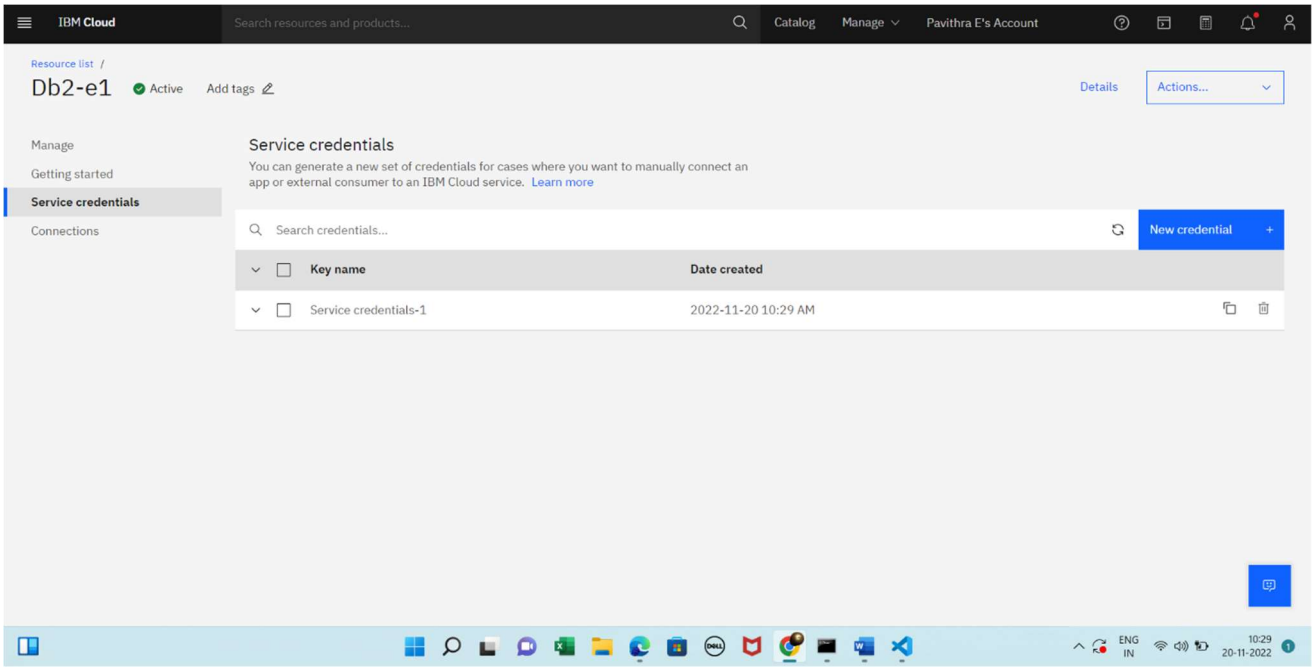
@app.route('/Login', methods=['POST'])
def Login():
    email = request.form['username']
    password = request.form['password']

    sql = "SELECT * FROM Register WHERE Emailaddress =? AND password=?"
    stmt = ibm_db.prepare(conn, sql)
    ibm_db.bind_param(stmt, 1, email)
    ibm_db.bind_param(stmt, 2, password)
    ibm_db.execute(stmt)
    account = ibm_db.fetch_assoc(stmt)
    if account:
        return render_template('home.html')
    else:
        return render_template('LoginRegister.html', msg="Login unsuccessful. Incorrect username / password !")

    print('Database connected')
```

Outputs:


IBM Cloud
Search resources and products...
Catalog
Manage
Pavithra E's Account
Resource list /
Db2-e1
Active
Add tags
Details
Actions...
Manage
Getting started
Service credentials
Connections
Getting started
Where can I find my credentials?
Get your username and password by clicking the "Service Credentials" link to the left and selecting "New Credentials".
Don't see this menu on the left? Click on "Manage in IBM Cloud" to open the IBM Cloud dashboard.
Go to UI
Getting started docs
Need help?
Submit a IBM Cloud Support Case to our team.
Support case


IBM Cloud
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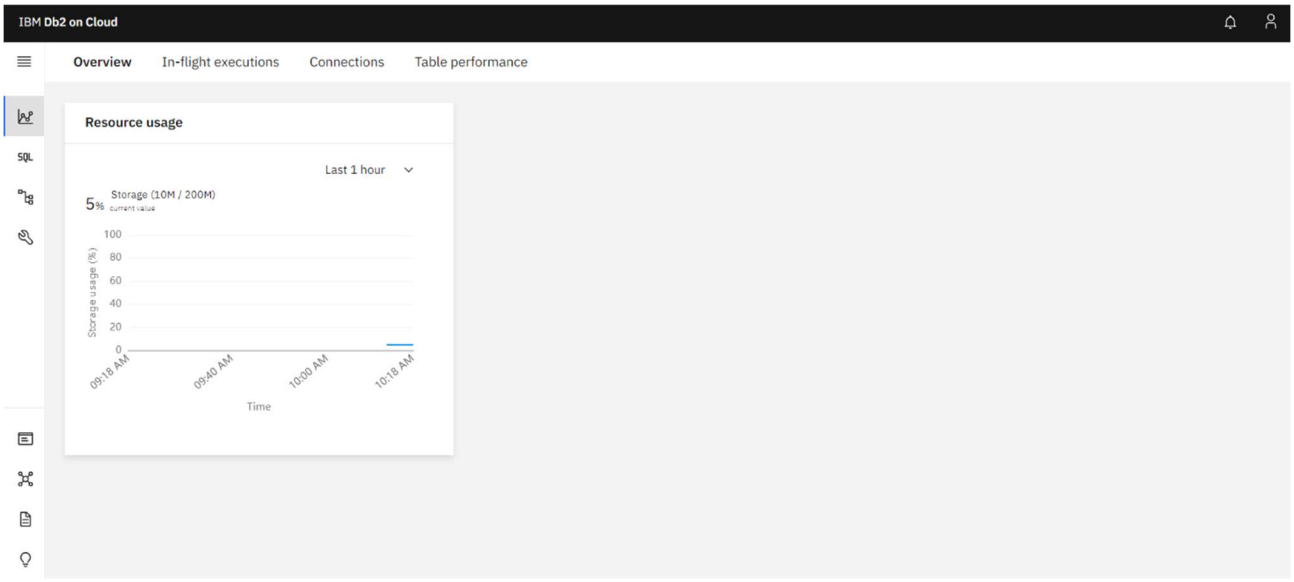
Getting started
Service credentials
Connections
Service credentials
You can generate a new set of credentials for cases where you want to manually connect an app or external consumer to an IBM Cloud service. Learn more
Search credentials...
New credential
Key name
Date created
Service credentials-1
2022-11-20 10:29 AM
ENG
IN
10:29
20-11-2022


IBM Db2 on Cloud
Overview
In-flight executions
Connections
Table performance
Resource usage
Last 1 hour
5%
Storage (10M / 200M)
current value
100
80
60
40
20
0
Storage usage (%)
09:18 AM
09:40 AM
10:00 AM
10:18 AM
Time