Project Development Phase Delivery of Sprint-3

| Date | 12 November 2022 |
|--------------|--|
| Team ID | PNT2022TMID24036 |
| Project Name | Inventory Management System For Retailer |

Creating IBM Db2 database and chat-box using IBM Watson Assistant:

Creating IBM Db2 Database and Connecting it:

Step 1:

Go to IBM cloud resource list and click on database.

Step 2:

Create a database and use the service credentials on your python flask to connect to IBM Db2 database services.

Step 3:

Click on 'Go to UI' and click 'Data' on the left side.

Step 4:

Click tables and select the name of your database.

Step 5:

Create new table according to the database you need.

Step 6:

Verify it is working.

Creating Chat-Box using IBM Watson Assistant:

Step 1:

Go to IBM cloud resource list and click on IBM Watson Assistant.

Step 2:

Click on launch Watson Assistant.

Step 3:

Build your virtual assistant.

Step 4:

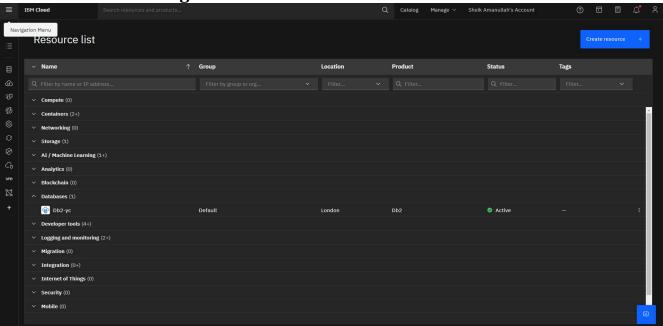
Add the script to your python file.

Step 5:

Verify on our application page.

IBM Db2 Database Output:

IBM Resource List Page:



Db2 Service Credentials:

```
| Big | Big
```

Linking our python flask application with IBM Db2:

```
pap.py > deliprod

from _future__ import print_function

import ibm_db

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

import re
import sqlite3 as sql

import os

conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=3883e7e4-18f5-4afe-be8c-fa31c41761d2.bs2io90108kqblod8lcg.databases.appdomain.cloud;PORT=31498;SECURITY=SSL;SSLServ

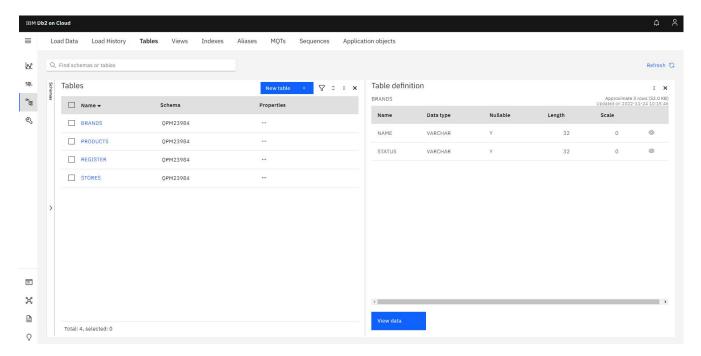
app=Flask(_name_)

app.secret_key = 'asdfghjklzxcvbnm'

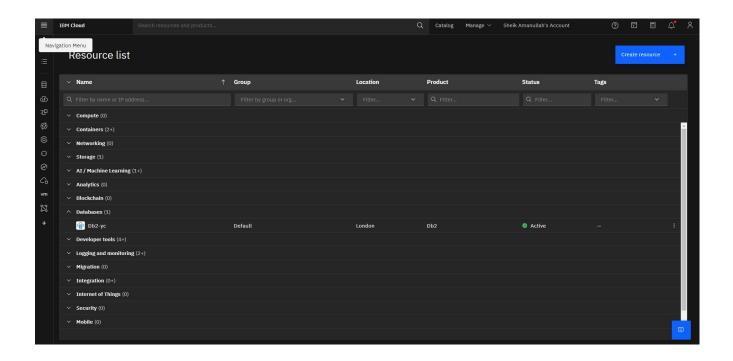
def main():
    papp.route('/')
    def main():
    return render_template('main.html')

dapp.route('/brands',methods = ['POST', 'GET'])
    def brands():
    if request.method == 'POST':
    import sqlite3 as sql
    impo
```

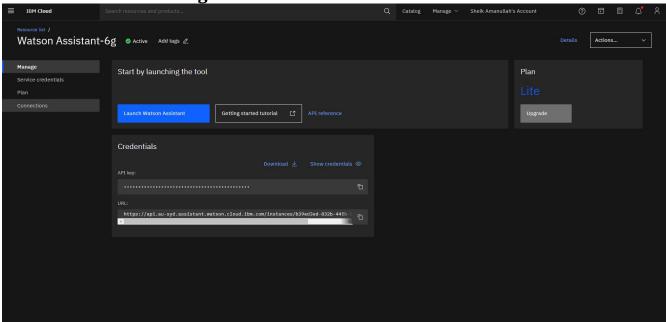
Going to IBM Db2 database:



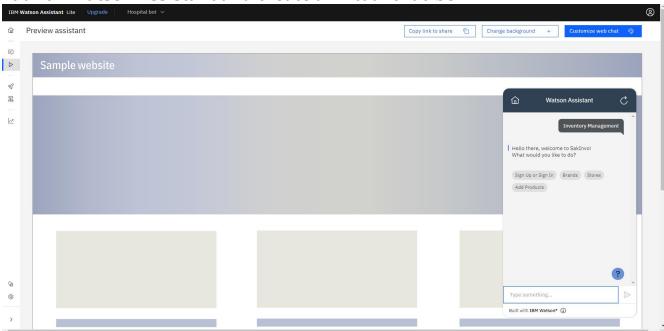
Chat-Box Output: IBM Resource List Page:



IBM Watson Service Page on IBM Cloud:



Launch Watson Assistant and create a virtual chat-box:



Embed it on your python file:

Verifying on our page:

