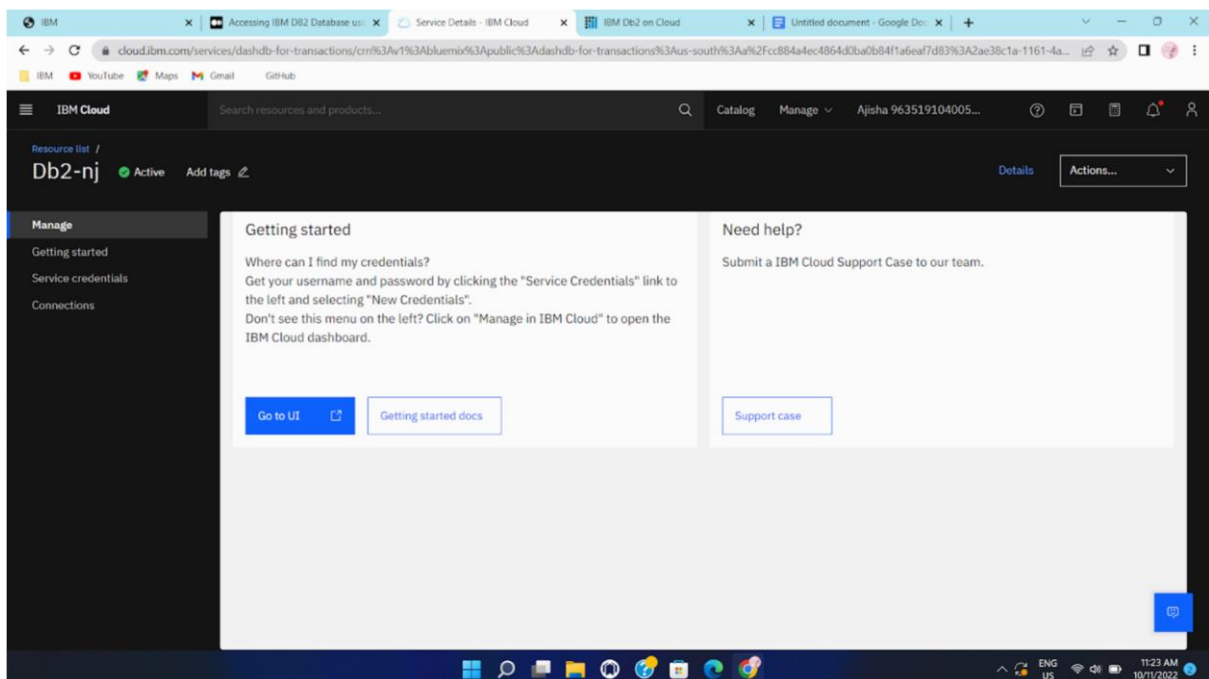
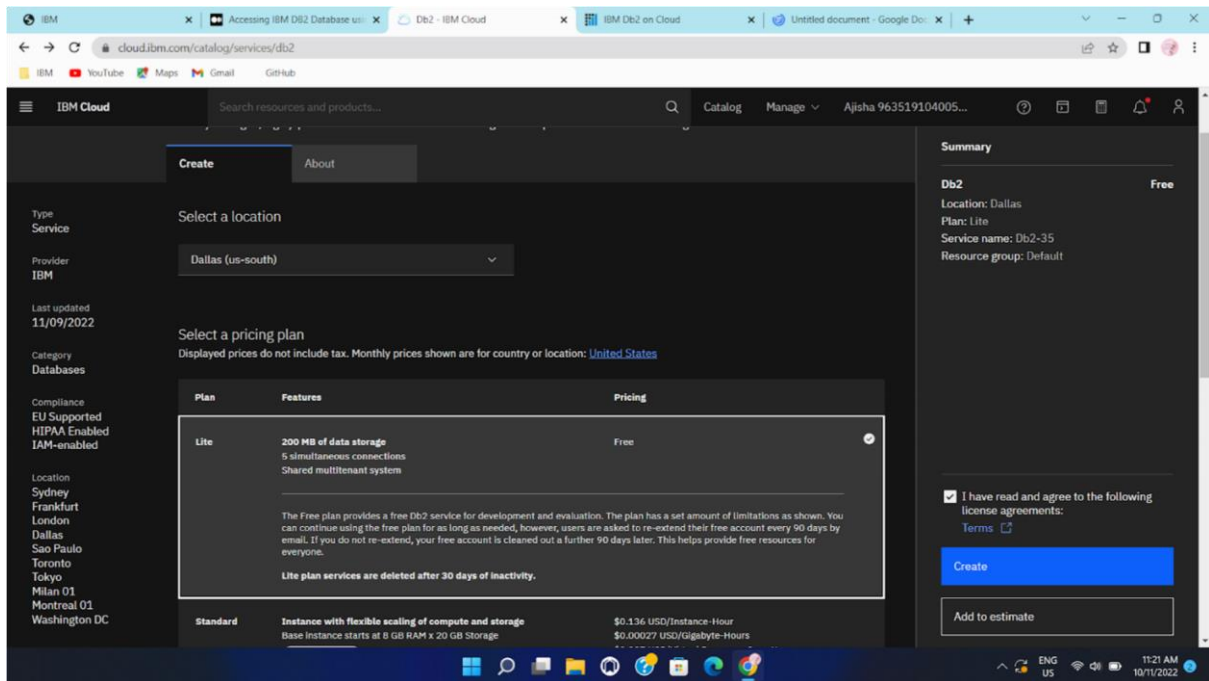


# IMPLEMENTING WEB APPLICATION

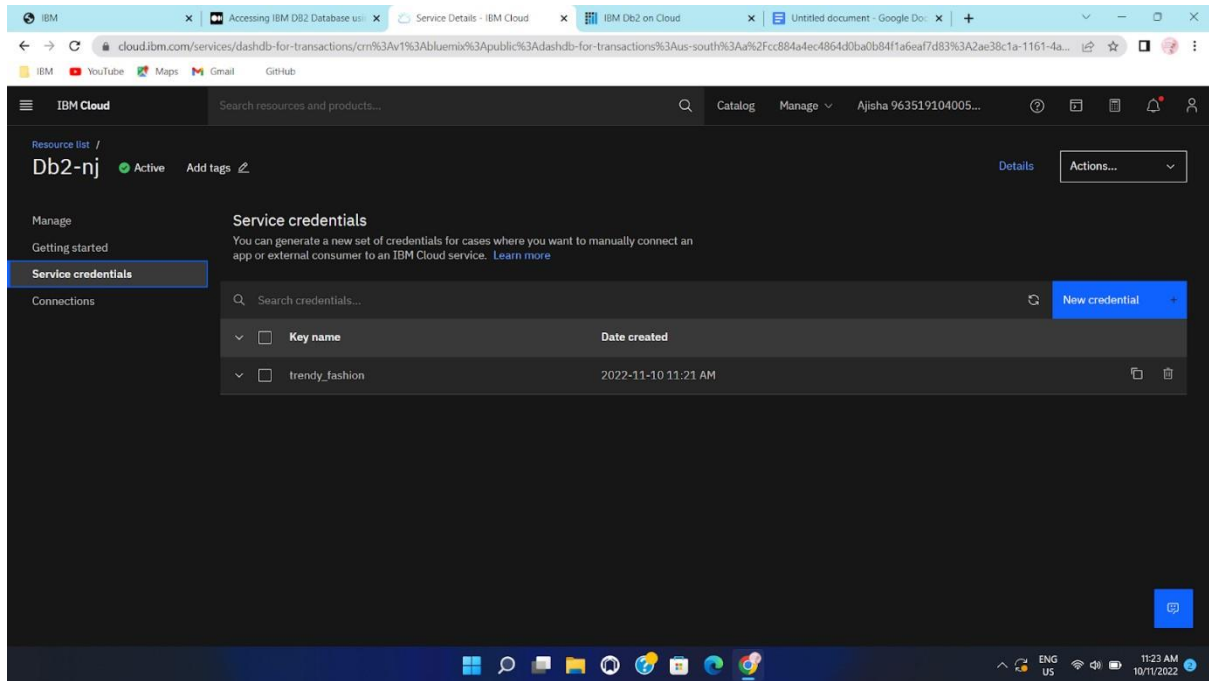
## CREATE IBM DB2 AND CONNECT WITH PYTHON

TEAM ID	PNT2022TMID50292
PROJECT NAME	Smart Fashion Recommender Application

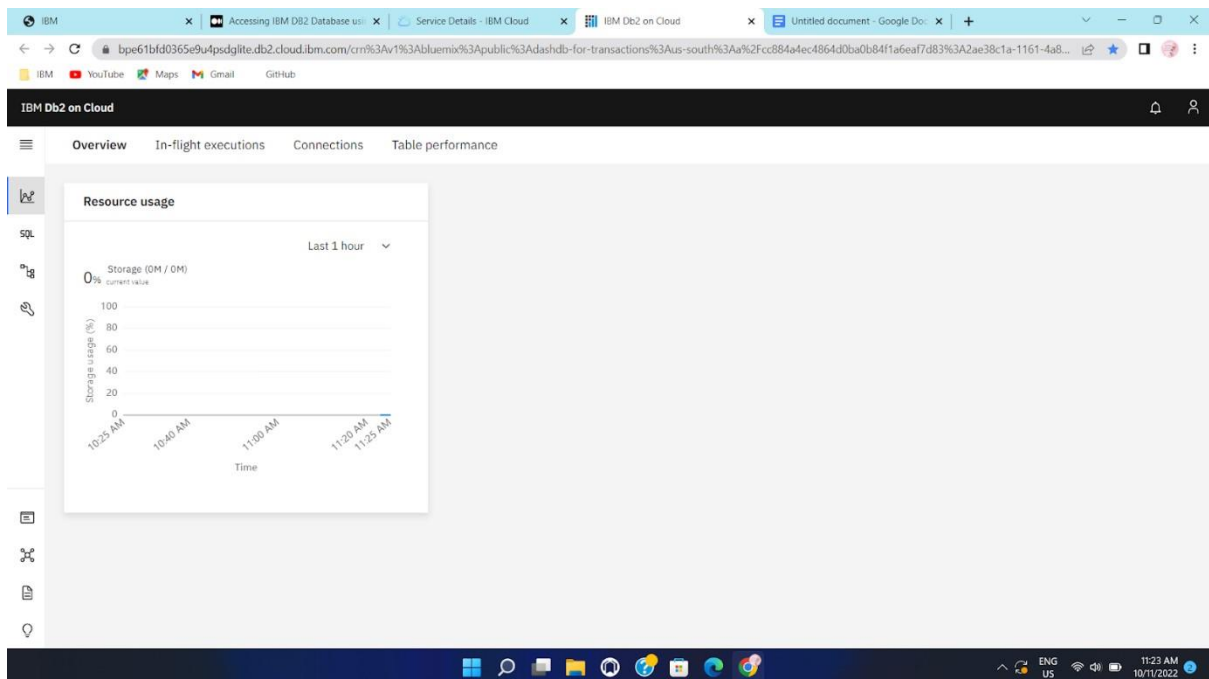
Create IBM DB2:



Access Service Credential database from Python. click on the New Credentials button to generate Service Credentials for your IBM DB2 Database:



## Overview of IBM DB2 on Cloud:



## Download the python library IBM db.

```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Projects\smart fashion recommender application> python -m pip install -U wheel setuptools
Requirement already satisfied: wheel in c:\users\hp\appdata\local\programs\python\python311\lib\site-packages (0.38.4)
Requirement already satisfied: setuptools in c:\users\hp\appdata\local\programs\python\python311\lib\site-packages (65.5.1)
PS C:\Projects\smart fashion recommender application> python setup.py sdist bdist_wheel
C:\Users\hp\AppData\Local\Programs\Python\Python311\python.exe: can't open file 'C:\Projects\smart fashion recommender application\setup.py': [Errno 2] N
o such file or directory
PS C:\Projects\smart fashion recommender application> pip install wheel
Requirement already satisfied: wheel in c:\users\hp\appdata\local\programs\python\python311\lib\site-packages (0.38.4)
PS C:\Projects\smart fashion recommender application> python -m pip install build
Collecting build
  Downloading build-0.9.0-py3-none-any.whl (17 kB)
Collecting packaging>=19.0
  Downloading packaging-21.3-py3-none-any.whl (40 kB)
    40.8/40.8 kB 277.4 kB/s eta 0:00:00
Collecting pep517>=0.9.1
  Downloading pep517-0.13.0-py3-none-any.whl (18 kB)
Requirement already satisfied: colorama in c:\users\hp\appdata\local\programs\python\python311\lib\site-packages (from build) (0.4.6)
Collecting pyparsing!=3.0.5,>=2.0.2
  Downloading pyparsing-3.0.9-py3-none-any.whl (98 kB)
    98.3/98.3 kB 784.8 kB/s eta 0:00:00
Installing collected packages: pyparsing, pep517, packaging, build
Successfully installed build-0.9.0 packaging-21.3 pep517-0.13.0 pyparsing-3.0.9
PS C:\Projects\smart fashion recommender application> python -m build --wheel
ERROR Source C:\Projects\smart fashion recommender application does not appear to be a Python project: no pyproject.toml or setup.py
PS C:\Projects\smart fashion recommender application> python setup.py sdist bdist_wheel
running sdist
running egg_info
creating mypackage.egg-info
writing mypackage.egg-info\PKG-INFO
writing dependency_links to mypackage.egg-info\dependency_links.txt
writing requirements to mypackage.egg-info\requires.txt
writing top-level names to mypackage.egg-info\top_level.txt
writing manifest file 'mypackage.egg-info\SOURCES.txt'
reading manifest file 'mypackage.egg-info\SOURCES.txt'
writing manifest file 'mypackage.egg-info\SOURCES.txt'
```

## IBM DB2 with python:

```
db.html - smart fashion recommender application - Visual Studio Code

EXPLORER
  SMART ...
  > build
  > dist
  > Images
  > mypackage.egg-info
  > action_page.html
  > db.html
  > get_pip.py
  > login.html
  > odbc_test.py
  > privacy.html
  > requirements.txt
  > setup.py
  > signup.html
  > style.css
  > submit.html
  > terms.html
  > view1.html

db.html
1  import ibm_db
2  hostname=""
3  uid=""
4  pwd=""
5  driver="IBM DB2 ODBC DRIVER"
6  db="bludb"
7  port=""
8  protocol="TCPIP"
9  cert="certificate.crt"
10 dsn=(
11     "DATABASE={0};"
12     "HOSTNAME={1};"
13     "PORT={2};"
14     "UID={3};"
15     "SECURITY=SSL;"
16     "SSLServerCertificate={4};"
17     "PWD={5};"
18 )
19 .format(db,hostname,port,uid,cert,pwd)print(dsn)
20
21 try:
22     db2=ibm_db.connect(dsn,"")
23     print("connected to data base")
24 except:
25     print("Unable to connect",ibm_d
```

