

PLASMA DONOR APPLICATION

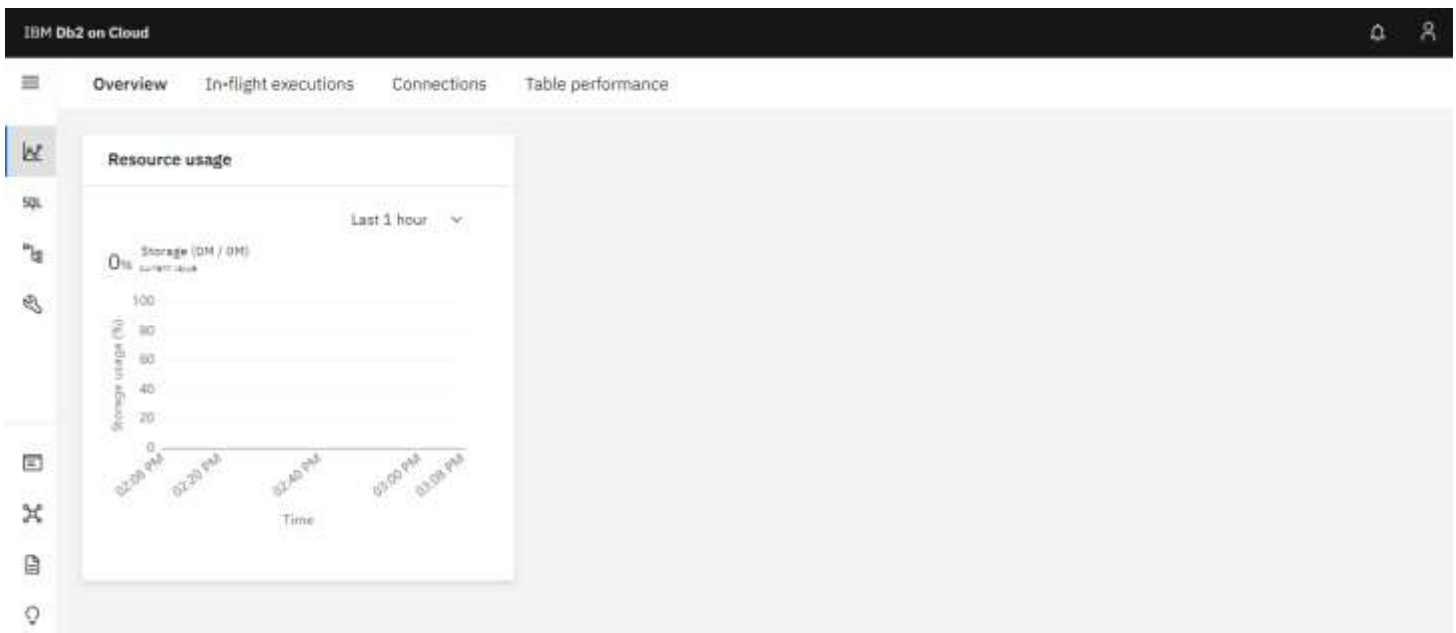
Date	16 Nov 2022
Team ID	PNT2022TMID33788
Project Name	Plasma Donor Application

Implementing Web Application

Create IBM DB2 and interact with application

Creation of IBM DB2 database

The screenshot shows the IBM Cloud console interface. At the top, there's a navigation bar with 'IBM Cloud' and a search bar. Below the navigation bar, the 'Resource list' section displays 'Db2-06' with a green 'Active' status and an 'Add tags' link. To the right of the resource name are 'Details' and 'Actions...' links. On the left, a 'Manage' sidebar lists 'Getting started', 'Service credentials', and 'Connections'. The main content area is titled 'Getting started' and contains instructions on how to find credentials. It includes a blue 'Go to UI' button and a 'Getting started docs' link. To the right, a 'Need help?' section prompts the user to submit a support case, with a 'Support case' link below it.



The screenshot shows the IBM Db2 on Cloud console interface. At the top, there's a navigation bar with 'Load Data', 'Load History', 'Tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Sequences', and 'Application objects'. Below this is a search bar labeled 'Find schemas or tables' and a 'Refresh' button. The main content area is divided into two panels: 'Schemas' and 'Tables'.

Schemas Panel:

Name	Type	Tables
DWS78237	User	3

Total: 1, selected: 1

Tables Panel:

Name	Schema	Properties
ADMIN	DWS78237	---
DETAILS	DWS78237	---
DONORS	DWS78237	---

Total: 3, selected: 0

Database connection coding

```
from flask import Flask, render_template, request, session, redirect, url_for
import ibm_db
import os
app=Flask(__name__)
app.secret_key='hidden'
conn = ibm_db.connect(
    f"DATABASE={os.environ.get('DATABASE')};"
    f"HOSTNAME={os.environ.get('HOSTNAME')};"
    f"PORT={os.environ.get('PORT')};"
    f"USERNAME={os.environ.get('DB_USERNAME')};"
    f"PASSWORD={os.environ.get('PASSWORD')};"
    "SECURITY=SSL;"
    f"SSLSERVERCERTIFICATE={os.environ.get('SSLSERVERCERTIFICATE')};",
    '',
    ''
)
print(conn)
@app.route("/")
def front():
    return render_template("front.html")
```