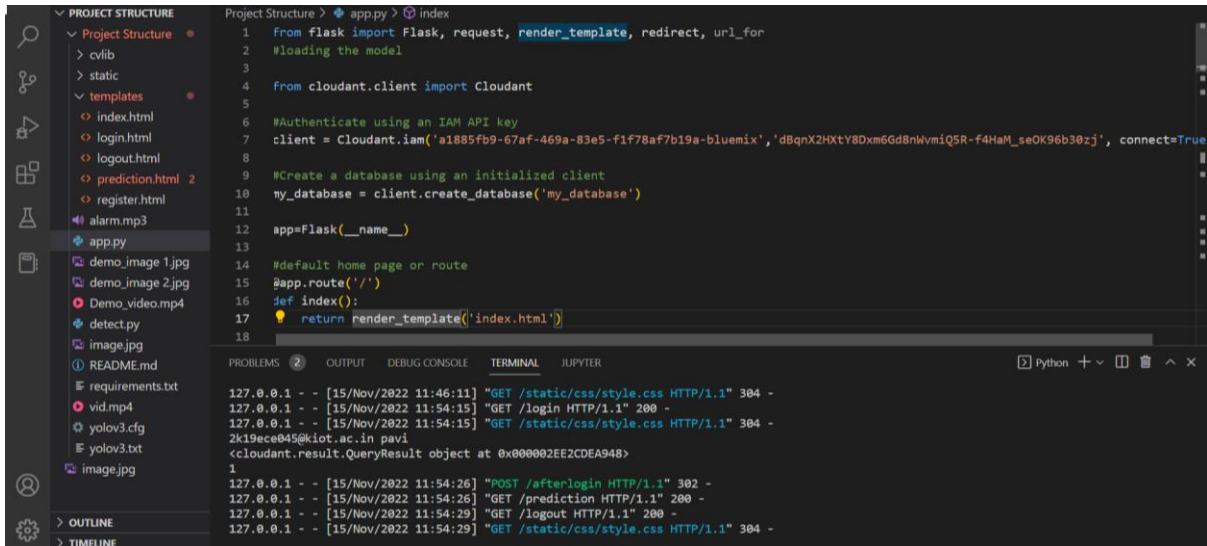


Create Database

- In order to manage a connection from a local system you must first initialize the connection by constructing a Cloudant client. We need to import the cloudant library.



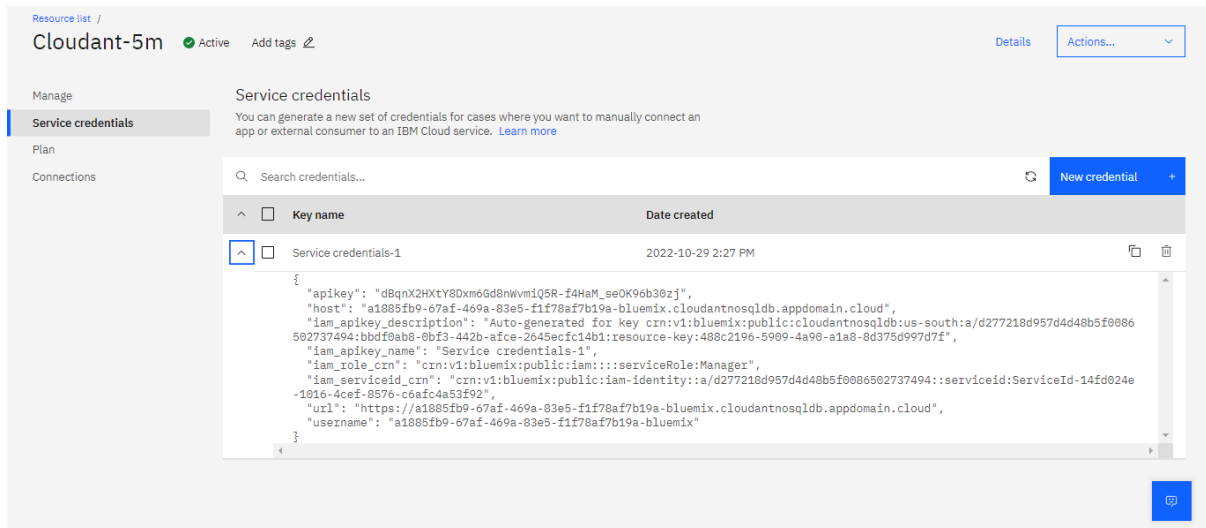
The screenshot shows a code editor with a project structure on the left and a code editor on the right. The project structure includes files like index.html, login.html, logout.html, prediction.html, register.html, alarm.mp3, app.py, demo_image 1.jpg, demo_image 2.jpg, Demo_video.mp4, detect.py, image.jpg, README.md, requirements.txt, vid.mp4, yolov3.cfg, yolov3.txt, and image.jpg. The code editor shows the following Python code:

```
1 from flask import Flask, request, render_template, redirect, url_for
2 #loading the model
3
4 from cloudant.client import Cloudant
5
6 #Authenticate using an IAM API key
7 client = Cloudant.iam('a1885fb9-67af-469a-83e5-f1f78af7b19a-bluemix', 'd8qnX2HxTY8Dxm6Gd8nWvmiQ5R-f4HaM_seOK96b30zj', connect=True)
8
9 #Create a database using an initialized client
10 my_database = client.create_database('my_database')
11
12 app=Flask(__name__)
13
14 #default home page or route
15 @app.route('/')
16 def index():
17     return render_template('index.html')
18
```

The terminal at the bottom shows the following output:

```
127.0.0.1 - - [15/Nov/2022 11:46:11] "GET /static/css/style.css HTTP/1.1" 304 -
127.0.0.1 - - [15/Nov/2022 11:54:15] "GET /login HTTP/1.1" 200 -
127.0.0.1 - - [15/Nov/2022 11:54:15] "GET /static/css/style.css HTTP/1.1" 304 -
2k19ece045@kilot.ac.in pavi
<cloudant.result.QueryResult object at 0x00002EE2CDEA948>
1
127.0.0.1 - - [15/Nov/2022 11:54:26] "POST /afterlogin HTTP/1.1" 302 -
127.0.0.1 - - [15/Nov/2022 11:54:26] "GET /prediction HTTP/1.1" 200 -
127.0.0.1 - - [15/Nov/2022 11:54:29] "GET /logout HTTP/1.1" 200 -
127.0.0.1 - - [15/Nov/2022 11:54:29] "GET /static/css/style.css HTTP/1.1" 304 -
```

- In the above cloudant.iam() method we have to give username & apikey to build the connection with cloudant DB.



- Once a connection is established you can then create a database, open an existing database.
- Create a database as my_database.

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Deployment details

CRN [crnv1:bluemix:public:cloudantnosqldb:us-south:a/d277218d957d4d48b5f0086502737494:bbdf0ab8-0bf3-442b-afce-2645ecfc14b1::](#)

Location [Dallas](#)

External endpoint [https://a1885fb9-67af-469a-83e5-f1f78af7b19a-bluemix.cloudant.com](#)

External endpoint (preferred) [https://a1885fb9-67af-469a-83e5-f1f78af7b19a-bluemix.cloudantnosqldb.appdomain.cloud](#)

Authentication methods [IBM Cloud IAM](#)

Activity Tracker event types [Management](#) [Save](#)

Disk encryption [Yes. Automatically generated disk encryption key.](#)

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Name	Size	# of Docs	Partitioned	Actions
my_database	152 bytes	2	No	Add Lock Delete

Showing 1–1 of 1 databases. Databases per page [20](#) [1](#)

[Log Out](#)

←

my_database

⋮

Document ID

Options

{ } JSON

🔔

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Query

Permissions

Changes

Design Documents

Table

Metadata

{ } JSON

Create Document

	id	key	value
<input type="checkbox"/>	e0d5f7e4c6afbb494b2ba478582a1c22	e0d5f7e4c6afbb494b2ba478582a1c22	{ "rev": "1-539deac36af6eeeb605718ce0272..." }
<input type="checkbox"/>	e0d5f7e4c6afbb494b2ba478580053d	e0d5f7e4c6afbb494b2ba478580053d	{ "rev": "1-1857d7828d88b67bb9b295a0630..." }

Showing document 1 - 2. Documents per page: 20

my_database > e0d5f7e4c6afbb494b2ba478582a1c22

{ } JSON

🔔

Save Changes

Cancel

Upload Attachment

Clone Document

Delete

```
1 {
2   "_id": "e0d5f7e4c6afbb494b2ba478582a1c22",
3   "_rev": "1-539deac36af6eeeb605718ce02721703",
4   "email": "2k19ece045@kilot.ac.in",
5   "fullname": "pavithra",
6   "password": "pavi"
7 }
```