

Project Development Phase  
( Sprint – 2 )

|              |  |
|--------------|--|
| Date         | 5 November 2022                                      |
| Team ID      | PNT2022TMID14815                                     |
| Project Name | PERSONAL ASSISTANCE FOR SENIORS WHO ARE SELF-RELIANT |

Text To Speech Service:

IBM Cloud

Search resources and products...

Q

Catalog

Manage

Ebicia Selvin B's Account

?

Resource list /

Text to Speech-4a

Active

Add tags

Manage

Getting started

Service credentials

Plan

Connections

Start by viewing the tutorial

Getting started tutorial

API reference

Details

Actions...

Plan

Lite

Upgrade

Credentials

Download

Show credentials

API key:

.....

URL:

https://api.au-syd.text-to-speech.watson.cloud.ibm.com/instances/98528c16-2a4f-414e-ba24-64d3472d69d8

( API Created ! )

```
pip install --upgrade "ibm-watson>=6.1.0"

Looking in indexes: https://pypi.org/simple, https://us-python.pkg.dev/colab-wheels/public/simple/
Collecting ibm-watson>=6.1.0
  Downloading ibm-watson-6.1.0.tar.gz (373 kB)
    |#####| 373 kB 31.4 MB/s
Installing build dependencies ... done
Getting requirements to build wheel ... done
Preparing wheel metadata ... done
Requirement already satisfied: requests<3.0,>=2.0 in /usr/local/lib/python3.7/dist-packages (from ibm-watson>=6.1.0) (2.23.0)
Collecting websocket-client<=1.1.0
  Downloading websocket-client-1.1.0-py2.py3-none-any.whl (68 kB)
    |#####| 68 kB 7.0 MB/s
Requirement already satisfied: python-dateutil>=2.5.3 in /usr/local/lib/python3.7/dist-packages (from ibm-watson>=6.1.0) (2.8.2)
Collecting ibm-cloud-sdk-core==3.*>=3.3.6
  Downloading ibm_cloud_sdk_core-3.16.0-py3-none-any.whl (83 kB)
    |#####| 83 kB 2.3 MB/s
Collecting urllib3<2.0.0,>=1.26.0
  Downloading urllib3-1.26.12-py2.py3-none-any.whl (140 kB)
    |#####| 140 kB 56.9 MB/s
Collecting requests<3.0,>=2.0
  Downloading requests-2.28.1-py3-none-any.whl (62 kB)
    |#####| 62 kB 1.6 MB/s
Collecting PyJWT<3.0.0,>=2.4.0
  Downloading PyJWT-2.6.0-py3-none-any.whl (28 kB)
Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.7/dist-packages (from python-dateutil>=2.5.3->ibm-watson>=6.1.0) (1.15.0)
Requirement already satisfied: charset-normalizer<3,>=2 in /usr/local/lib/python3.7/dist-packages (from requests<3.0,>=2.0->ibm-watson>=6.1.0) (2.1.1)
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.7/dist-packages (from requests<3.0,>=2.0->ibm-watson>=6.1.0) (2022.9.24)
Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.7/dist-packages (from requests<3.0,>=2.0->ibm-watson>=6.1.0) (2.10)
Building wheels for collected packages: ibm-watson
  Building wheel for ibm-watson (PEP 517) ... done
  Created wheel for ibm-watson: filename=ibm_watson-6.1.0-py3-none-any.whl size=370764 sha256=6661328dafa0cd1c0ddd49d500de984e4ef70ce1b49c8e21975d157ffbca45b
  Stored in directory: /root/.cache/pip/wheels/88/69/f3/3e30b078dc358148c52e0b76dfa50ab140ef44f448306a8069
Successfully built ibm-watson
Installing collected packages: urllib3, requests, PyJWT, websocket-client, ibm-cloud-sdk-core, ibm-watson
  Attempting uninstall: urllib3
    Found existing installation: urllib3 1.24.3
    Uninstalling urllib3-1.24.3:
      Successfully uninstalled urllib3-1.24.3
  Attempting uninstall: requests
    Found existing installation: requests 2.23.0
    Uninstalling requests-2.23.0:
      Successfully uninstalled requests-2.23.0
Successfully installed PyJWT-2.6.0 ibm-cloud-sdk-core-3.16.0 ibm-watson-6.1.0 requests-2.28.1 urllib3-1.26.12 websocket-client-1.1.0

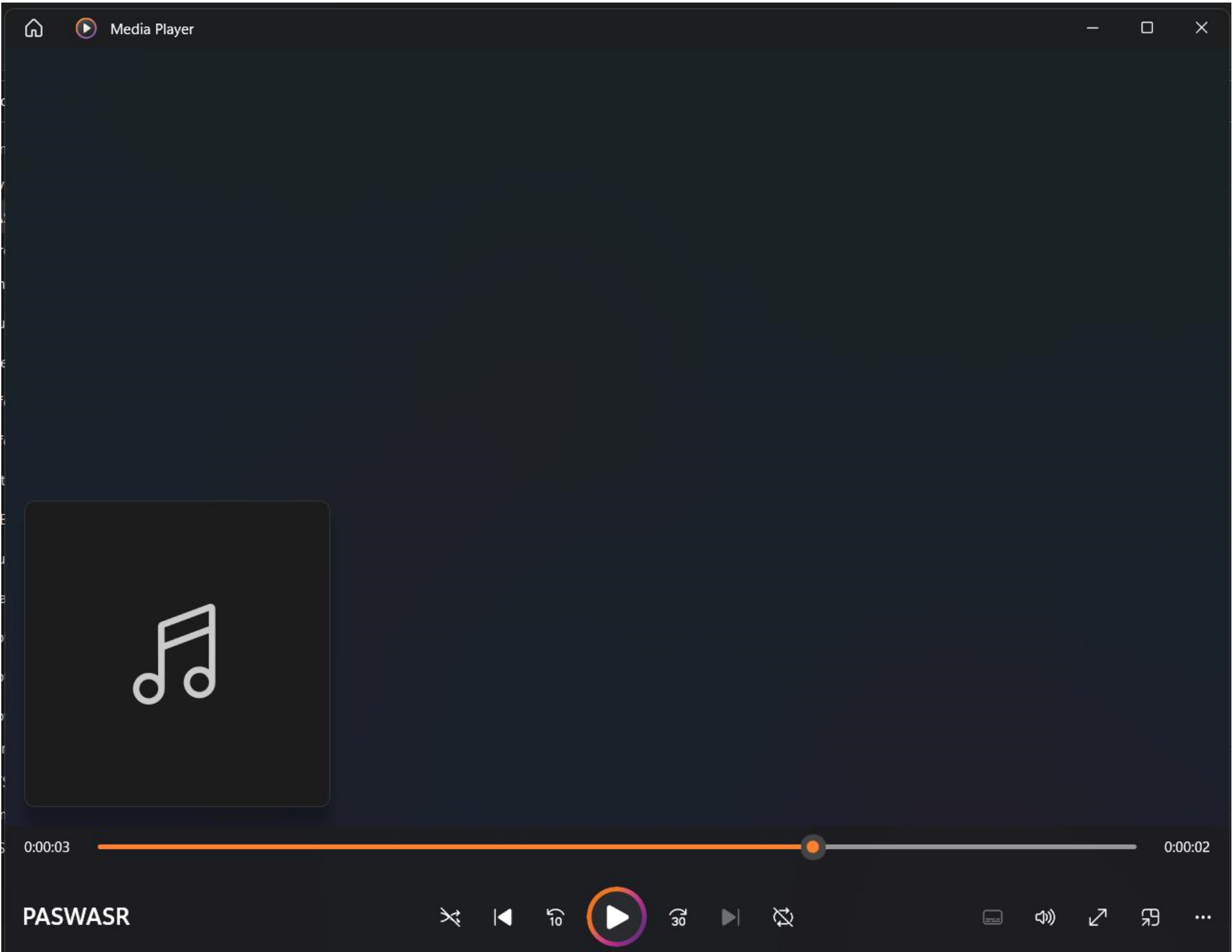
[3] from ibm_watson import TextToSpeechV1
from ibm_cloud_sdk_core.authenticators import IAMAuthenticator

authenticator = IAMAuthenticator('yM5L7XX1rYn47QJJKNzVg3t1p19bc6LeH80V253')
text_to_speech = TextToSpeechV1(
    authenticator=authenticator
)

text_to_speech.set_service_url('https://api.au-syd.text-to-speech.watson.cloud.ibm.com/instances/98528c16-2a4f-414e-ba24-64d3472d69d8')

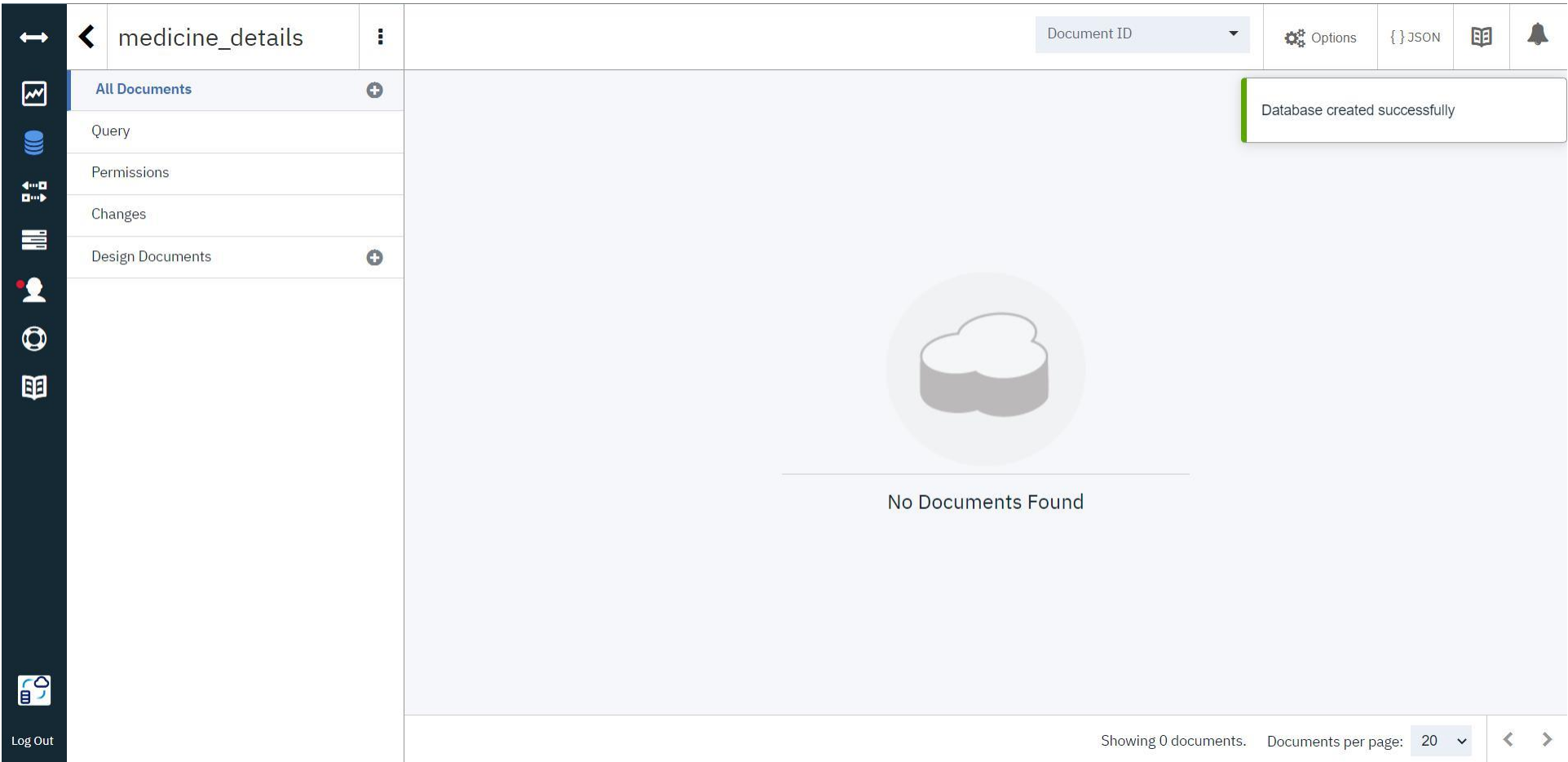
with open('PASHASR.wav', 'wb') as audio_file:
    audio_file.write(
        text_to_speech.synthesize(
            'Just a sample audio file for the TTS service going to be created for our project !',
            voice='en-US_AllisonV3Voice',
            accept='audio/wav'
        ).get_result().content
    )
```

( Created Using Colab !! )



->A Sample Audio On How Medicine Names Given By User Will Be Delivered..

**Creation Cloudant DB :**



( Database Named “medicine\_details” have been created.. )