

Project Development Phase
(Sprint – 2)

Date	5 November 2022
Team ID	PNT2022TMID42536
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

Credentials

Download

Show credentials

API key:

.....

URL:

https://api.au-syd.text-to-speech.watson.cloud.ibm.com/instances/985

Details

Actions...

Plan

Lite

Upgrade

(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)
    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)
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)
Collecting urllib3<2.0.0,>=1.26.0
  Downloading urllib3-1.26.12-py2.py3-none-any.whl (140 kB)
Collecting requests<3.0,>=2.0
  Downloading requests-2.28.1-py3-none-any.whl (62 kB)
Collecting PyJWT<3.0.0,>=2.4.0
  Downloading PyJWT-2.6.0-py3-none-any.whl (20 kB)
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=66613280dafc0cd1c0dd49d500de984e4ef70ce1b49c8e21975d157ffbca45b
  Stored in directory: /root/.cache/pip/wheels/88/69/f3/3e38e078d358148c52ed76dffa58ab1460f44f440306a8069
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

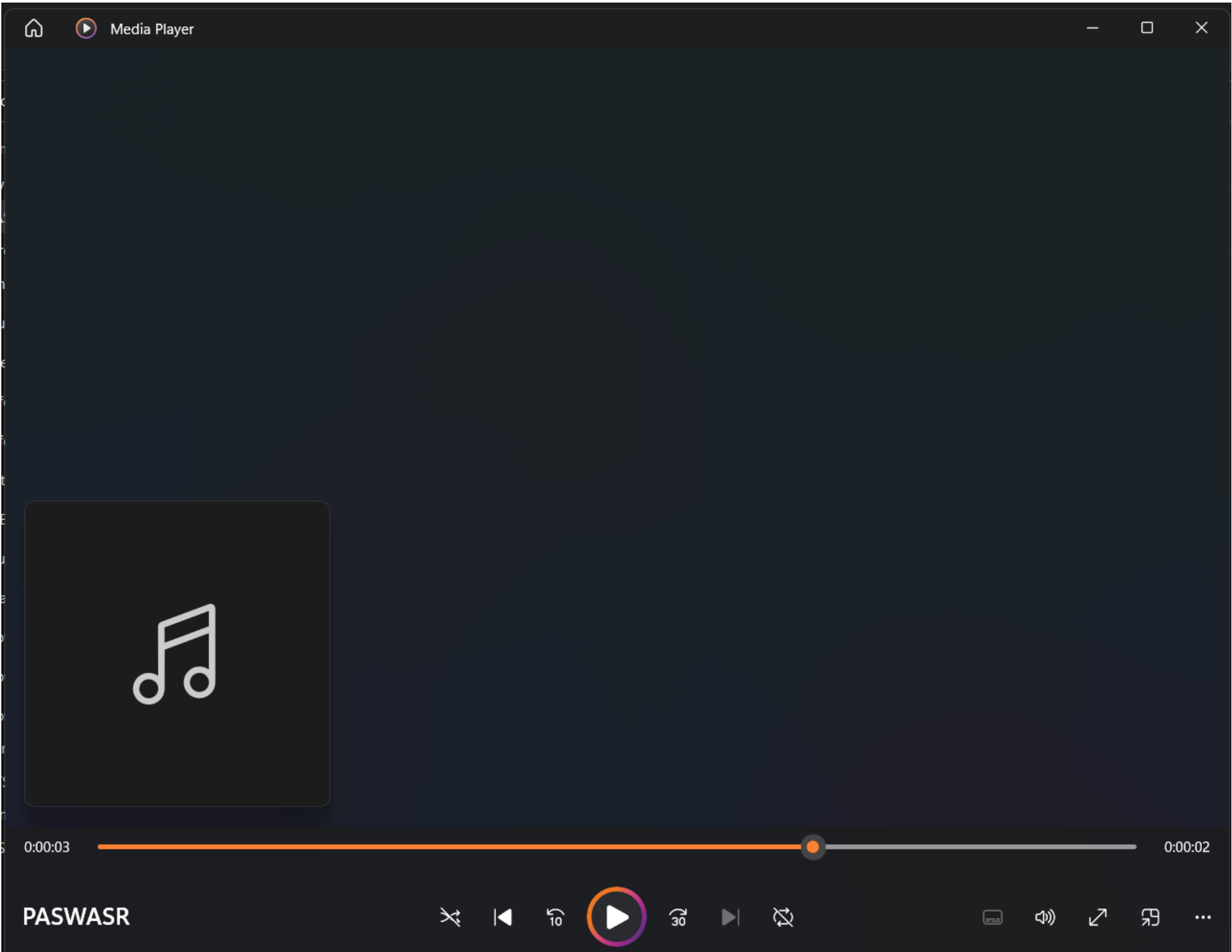
[3] from ibm_watson import TextToSpeechV1
from ibm_cloud_sdk_core.authenticators import IAMAuthenticator

authenticator = IAMAuthenticator('yW5L7XXtrYn47GjKNo2vG3t1pI90c6LeH0Bv253')
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')

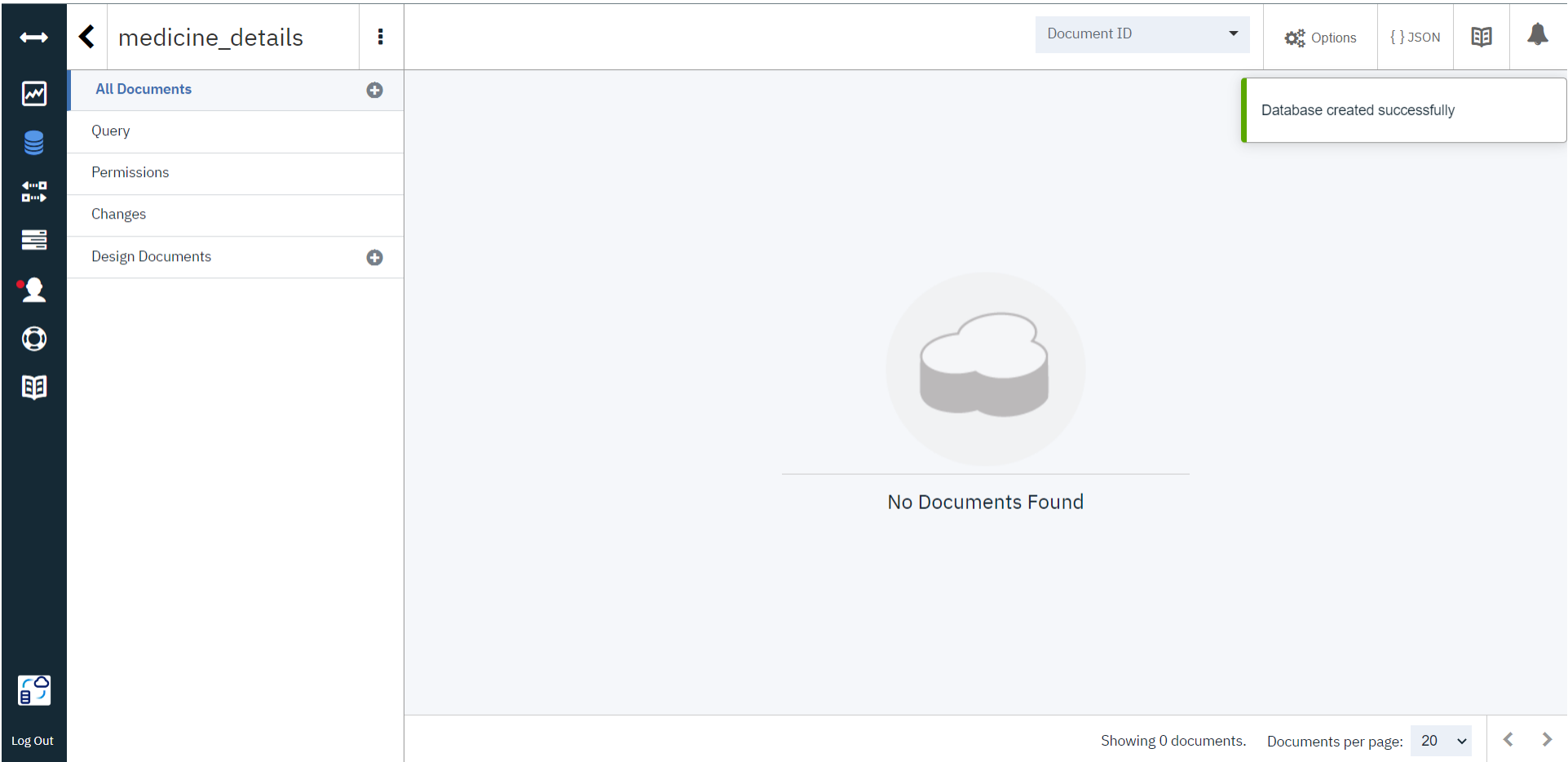
with open('PASHASR.wav', 'wb') as audio_file:
    audio_file.write(
        text_to_speech.synthesize(
            "Just a sample audio file for the TTS service going to be created for our project !",
            voice='en-US_AllisonV3Voice',
            accept='audio/wav'
        ).get_result().content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

(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..)