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TEAM ID	PNT2022TMID13926
PROJECT NAME	SMART SOLUTION FOR RAILWAYS

PROGRAM

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import cv2
import numpy as np
import time
import pyzbar.pyzbar as buzbar
from ibmcloud.cloudant_v1 import cloudantv1
from ibmcloudant import CouchDbSessionAuthenticator
from ibm_cloud_sdk_core.authenticators import BasicAuthenticator

authenticator = BasicAuthenticator('apikey-v2-16u3crmdpkghhxefdi kvpssoh5fwezrmuup5fv5g3ubz',
'b0ab119f45d3e6255eabb978')
service = CloudantV1(authenticator=authenticator)

service.set_service_url('https://apikey-v2-
16u3ermdpkghhxefdikvpssoh5fwezrmuup5fv5g3ubz:b0ab119145d3e6255eabb978e7e2f0')

cap= cv2.VideoCapture(0)
font = cv2.FONT_HERSHEY_PLAIN

while True:
    __, frame = cap.read()
    decodedObjects = pyzbar.decode (frame)
    for obj in decodedObjects:
        #print ("Data", obj.data)
        a=obj.data.decode('UTF-8')
        cv2.putText(frame, "Ticket", (50, 50), font, 2, (255, 0, 0), 3)

        #print (a)
        try:
            response = service.get_document(

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        db='booking',
        doc_id = a
    ).get_result()
    print (response)
    time.sleep(5)
except Exception as e:
    print ("Not a Valid Ticket")
    time.sleep(5)

cv2.imshow("Frame",frame)
if cv2.waitKey(1) & 0xFF ==ord('q'):
    break
cap.release()
cv2.destroyAllWindows()
client.disconnect()
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