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import cv2

import numpy as np

import time

import pyzbar.pyzbar as pyzbar

from ibmcloudant.cloudant_v1 import CloudantV1

from ibmcloudant import CouchDbSessionAuthenticator

from ibm_cloud_sdk_core.authenticators import BasicAuthenticator


authenticator = BasicAuthenticator('apikey-v2-16u3crmdpkgghxefdi kvpssoh5fwezrmuup5fv5g3ubz',
'b0ab119f45d3e6255eabb978')

service = CloudantV1(authenticator=authenticator)


service.set_service_url('https://apikey-v2-
16u3ermdpkgghxefdikvpssoh5fwezrmuup5fv5g3ubz: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(

                db='booking',

                doc_id = a

            ).get_result()

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        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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