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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-v2-16u3crmdpkghxefdikvpssoh5fwzrmuup5fv5g3ubz', 'b0ab119f45d3e6255eabb978')
service = CloudantV1(authenticator=authenticator)
service.set_service_url('https://apikey-v2-16u3crmdpkghxefdikvpssoh5fwzrmuup5fv5g3ubz:b0ab119f45d3e6255eabb978@cloudant.com')

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

while True:
    _, frame = cap.read()
    decode_objects = pyzbar.decode(frame)
    for obj in decode_objects:
        # 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()
            print(response)
            time.sleep(5)
        except Exception as e:
            print("Not valid Ticket")
            time.sleep(5)
    cap.imshow("Frame", frame)
    if cv2.waitKey(1) & 0xFF == ord('q'):
        break
    cap.release()
    cv2.destroyAllWindows()
    client.disconnect()

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