

SMART SOLUTIONS FOR RAILWAYS

SPRINT-3

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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-v2-16u3crmdpkghhxfdikvpssoh5fwezrmuup5fv5g3ubz', 'b0ab119f45d3e6255eabb978')
service = CloudantV1(authenticator=authenticator)

service.set_service_url('https://apikey-v2-16u3crmdpkghhxfdikvpssoh5fwezrmuup5fv5g3ubz: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()
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        print(response)
        time.sleep(5)
    except Exception as e:
        print("Not valid Ticket")
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        time.sleep(5)
cap.imshow("Frame",frame)
if cv2.waitKey(1) & 0xFF == ord('q'):
    break
cap.release()
cv2.destroyAllWindows()
client.disconnect()
```