

Develop Python Script

Date	06 October 2022
Team ID	PNT2022TMID37886
Project Name	Smart solutions for Railways

QR Scanner For Ticket Validation

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*QRScanner.py - E:\QRScanner.py (3.9.0)*
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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-v2-1wz9u2vwzaidf3i9pz4vlpvm4rhkkv4fi3m15kmae2it', '96765971c8614fd5dffffdab41
service=CloudantV1(authenticator=authenticator)
service.set_service_url('https://apikey-v2-1wz9u2vwzaidf3i9pz4vlpvm4rhkkv4fi3m15kmae2it:96765971c8614fd5dffffdab4183139

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()
            print(response)
            time.sleep(5)
```

Output

