SMART SOLUTIONS FOR RAILWAYS

SPRINT-1

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```
importcv2
importnumpyasnp
importtime
importpyzbar.pyzbaraspuzbar
fromibmcloudant.cloudant_v1importcloudantv1
fromibmcloudantimportcouchDbsessionAuthenticator
fromibm_cloud_sdk_core.AuthenticatorsimportBasicAuhtenticator

authenticator=BasicAuthenticator('apikey-v2-
16u3crmdpkghhxefdikvpssoh5fwezrmuup5fv5g3ubz','b0ab119f45d3e6255eabb978)
service=cloudantv1(authenticator=authenticator)
service.set_service_url('https://apikey-v2-
16u3crmdpkghhxefdikvpssoh5fwezrmuup5fv5g3ubz:b0ab119f45d3e6255eabb978

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

whileTrue:
_,frame=cap.read(0)
decodeObjects=pyzbar.decode(frame)
forobjindecodeObjects:
        #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:
                responce=service.get_document(db='booking',doc_id=a).get_result()
                print(response)
                time.sleep(5)
        exceptExceptionase:
                print("NotvalidTicket")
                time.sleep(5)
cap.imshow("Frame",frame)
ifcv2.waitKey{1}&0XFF==ord('q'):
        break
cap.release()
cv2.destroyAllWindows()
client.disconnect()
```