```
const timeInGMT = '17:00'; // specify time in GMT as HH:MM
const apiKey = 'b10388e0cb71db77129635a9c6dfbbf8'; // account api_key
const dbId = '961829'; // database id to add values to
// AssetID=scanValue will be the db value, and DealerID=qidDbResponse
const qidForDbResponse = '1876452'; // question id we use to add value response text
const specialWords = ['T0', 'WC', 'C0', 'BC'];
const msgUpdateSuccces = "Asset update applied to database.";
const errMsgUpdateFailed = "Database update failed.";
const errMsgDuplicate = "Asset already scanned.";
const errMsgEmptyResponse = "No Dealer ID entered.";

function getAnswerVal(qid, data) {
    let answerArray = data.answers;
    if (Array.isArray(answerArray)) {
        var value = false;
        if ( qid === false || qid == '') {
            if (answerArray.length > 0) {
                value = answerArray[0].value;
            }
        } else {
            var ans = answerArray.find(a => a.qid == qid);
            if (ans) {
                value = ans.value;
            }
        }
        if (value) {
            return Array.isArray(value) ? value[0] : value;
        }
    }
    return "";
}

/*
 * Return true if scan value starts with any word in 'specialWords'
 * array and was scanned some time after 'timeInGMT'.
 */
async function isDuplicate(data) {
    let checkDuplicateValue = false;
    for (let word of specialWords) {
        if (data.scanValue.startsWith(word)) {
            checkDuplicateValue = true;
            break;
        }
    }
    if (!checkDuplicateValue) {
        return false;
    }
    let time1 = new Date();
    let time2 = new Date(time1.getTime());
    let t = timeInGMT.split(':');
    let hr = t[0];
    let min = t[1];
```

```
    if (min < 10) {
        min = "0" + min;
    }
    time2.setHours(hr, min, 00);
    let endDate = new Date(time2.getTime());
    if (time1 >= time2) {
        endDate.setDate(time2.getDate() + 1);
    }
    let startDate = new Date(endDate.getTime());
    startDate.setDate(endDate.getDate() - 1);
    let params = {
        scanValue: data.scanValue,
        startTimestamp: startDate.toISOString(),
        //endTimestamp: endDate,
        timestampReceived: 1,
        timezone: 'GMT',
        limit: 2,
        api_key: apiKey
    };
    let existingScan = await cr.post('/scan/retrieve/', params);
    existingScan = JSON.parse(existingScan);
    if (existingScan['count'] > 1) {
        return true;
    }
    return false;
}

async function crCustomValidate(data) {
    let isDupVal = await isDuplicate(data);
    if (isDupVal) {
        return {"scanStatus":"0", "scanResponse":errMsgDuplicate + "\n\n" + data.scanResponse};
    }
    let answerText = getAnswerVal(qidForDbResponse, data).trim();
    if (answerText == '') {
        return {"scanStatus":"0", "scanResponse":errMsgEmptyResponse};
    }
    let params = {
        databaseId: dbId,
        value: data.scanValue,
        response: answerText,
        isValid: 1,
        api_key: apiKey
    };
    let dbValueResponse = await cr.post('/database/upsert_value/', params);
    dbValueResponse = JSON.parse(dbValueResponse);
    if (dbValueResponse['status'] == 1) {
        return {"scanStatus": "1", "scanResponse": msgUpdateSuccces};
    }
    return {"scanStatus": "-1", "scanResponse":errMsgUpdateFailed+"\n\n"+data.scanResponse};
}
```