Entity Relationship translation

Contratto: SmartStudio

Tabelle

user (<u>id</u>, name, username, password, role)

location (<u>id</u>, name, description, latitude, longitude, <u>zoom</u>$_o$, isInside)

floor (<u>id</u>, name, drawPoint$_o$, imageMap, mapWidth, mapSpacing, locationId^{location})

zone (<u>id</u>, name, xLeft, xRight, yUp, yDown, florId^{floor})

camera (<u>id</u>, ip, description, username, password, radius, xPos, yPos, nvr, floorId^{floor})

anchor (<u>id</u>, mac, name, type, emergencyZone , xPos, yPos, zPos, radius$_o$, neighbors, proximity, ip, permitedAsset, rssiThreeshold, timeAlarm, batteryStat, batteryStatAlert, isOnline, floorId^{floor})

tag (<u>id</u>, mac, name, type, xPos, yPos, zPos, gpsNorthDeg, gpsEstDeg, controlId, time, gpsTime, alarmTime, batteryStat, batteryStatAlert, manDown, manDownAlert, manDownDisabled, manDownDisabledAlert, manDownTacit, sos, sosAlert, manInQuote, manInQuoteAlert, callMeAlarm, evacuationAlarm, radioSwitchOff, diagnosticRequest, helmetDpi, helmetDpiAlert, beltDpi, beltDpiAlert, gloveDpi, gloveDpiAlert, showDpi, showDpiAlert, ropeDpi, alarmTime, disableTime, noMoveTime, advRate, scanningRate, powerLevel, isExit, anchorId^{anchor})

event (<u>id</u>, description, iconName)

history (<u>id</u>, time, tagXPos, tagYPos, eventId^{event})

rtls (<u>id</u>, packets, timeLe, scanningRate, rssiThreshold, intervalBeaconValid)

wifi (<u>id</u>, ip, macServerRtls, udpPort)

userHasLocation (<u>userId^{user}</u>, <u>locationId^{location}</u>)

anchorEvent (<u>anchorId^{anchor}</u>, event<u>Id^{event}</u>)

tagEvent (<u>tagId^{tag}</u>, eventid^{event})

Dominio tabelle

user : { id: int, name: varchar, password: varchar, name: varchar, role: bit }

location: { id: int, name: varchar, description: <u>varchar</u>, latitude: double, longitude: double, icon: varchar, zoom: double, isInside: bit }

floor: { id: int, name: varchar, drawPoint: text, imageMap: longtext, mapWidth: double, mapSpacing: double, locationId: int }

zone: {id: int, name: varchar, xLeft: double, xRight: double, yUp: double, yDown: double, florId: int}

camera: {id: int, ip: varchar, description: varchar, username: varchar, password: varchar, radius: double, xPos: double, yPos: double, nvr: varchar, florId: int}

anchor: { id: int, mac: varchar, name: varchar, type: tinyint, emergencyZone: int, xPos: double, yPos: double, zPos: double, radius: double, neighbors: longtext, proximity: int, ip: varchar, permittedAsset: longtext, rssiThreshold: int, alarmTime: datetime, batteryStatus: bit, batteryStatusAlert: bit, isOnline: int, floorId: int }

tag: { id: int, mac: varchar, name: varchar, type: int, xPos: double, yPos: double, zPos: double, gpsNorthDeg: double, gpsEstDeg: double, centroId: varchar, time: datetime, gpsTime: datetime, alarmTime: datetime, batteryStat: bit, batteryStatAlerted: bit, manDown: bit, manDownAlerted: bit, manDownDisabled: bit, manDownDisabledAlerted: bit, manDownTaciteted: bit, sos: bit, sosAlerted: bit, manInQuote: bit, manInQuoteAlerted: bit, callMeAlarm: bit, evacuationAlarm: bit, radioSwitchedOff: bit, diagnosticRequest: bit, helmetDpi: bit, helmetDpiAlerted: bit, beltDpi: bit, beltDpiAlerted: bit, gloveDpi: bit, gloveDpiAlerted: bit, showDpi: bit, showDpiAlerted: bit, ropeDpi: bit, alarmTime: int, disableTime: int, noMoveTime: int, advRate: int, scanningRate: int, powerLevel: int, isExit: bit }

event: { id: int, description: varchar, iconName: varchar }

history: { id: int, time: datetime, tagxPos: int, tagyPos: int }

rtls: {id: int, packets: int, timeLe: datetime, scanningRate: int, intervalBeaconValid: int}

wifi: {id: int, ip: varchar, macServerRtls: varchar, udpPort: int}

userHasLocation: { userId: int, location: id }

anchorEvent: { anchorId: int, eventId: int }

tagEvent: { tagId: int, eventId: int }