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1  -- Generated by Oracle SQL Developer Data Modeler 20.3.0.283.0710
2  -- at:          2020-12-21 13:13:55 CET
3  -- site:        Oracle Database 11g
4  -- type:        Oracle Database 11g
5
6
7
8  -- predefined type, no DDL - MDSYS.SDO_GEOMETRY
9
10 -- predefined type, no DDL - XMLTYPE
11
12 ----tworzenie tabel
13
14 CREATE TABLE air_stuff (
15     id                INTEGER NOT NULL,
16     ip_address        VARCHAR2(15) NOT NULL,
17     rooms_id          INTEGER NOT NULL,
18     type              VARCHAR2(15) NOT NULL,
19     name              VARCHAR2(15),
20     airflow           INTEGER,
21     temperature       INTEGER,
22     targeted_temperature  INTEGER
23 );
24
25 CREATE TABLE led_lighting (
26     id                INTEGER NOT NULL,
27     ip_address        VARCHAR2(15) NOT NULL,
28     rooms_id          INTEGER NOT NULL,
29     type              VARCHAR2(20) NOT NULL,
30     name              VARCHAR2(20),
31     state             CHAR(1) NOT NULL,
32     colour            VARCHAR2(20),
33     brightness        INTEGER
34 );
35
36 CREATE TABLE motor (
37     id                INTEGER NOT NULL,
38     ip_address        VARCHAR2(15) NOT NULL,
39     rooms_id          INTEGER NOT NULL,
40     type              VARCHAR2(10) NOT NULL,
41     name              VARCHAR2(20),
42     state             INTEGER NOT NULL
43 );
44
45 CREATE TABLE net_infrastructure (
46     id                INTEGER NOT NULL,
47     ip_address        VARCHAR2(15) NOT NULL,
48     rooms_id          INTEGER NOT NULL,
49     type              VARCHAR2(15) NOT NULL,
50     name              VARCHAR2(15)
51 );
52
53 CREATE TABLE output_devices (
54     id                INTEGER NOT NULL,
55     ip_address        VARCHAR2(15) NOT NULL,
56     rooms_id          INTEGER NOT NULL,
57     type              VARCHAR2(10) NOT NULL,
58     name              VARCHAR2(15),
59     state             CHAR(1) NOT NULL,
60     volume            INTEGER NOT NULL,
61     playing           CHAR(1) NOT NULL
62 );
63
64 CREATE TABLE rooms (
65     id                INTEGER NOT NULL,
66     name              VARCHAR2(20) NOT NULL,
67     icon_address       VARCHAR2(40),
68     zone              VARCHAR2(20) NOT NULL,
69     temperature       INTEGER,
70     temperature_set    INTEGER,
71     lights_state       CHAR(1),
72     lights_brightness  INTEGER,
73     lights_colour      VARCHAR2(20),

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74         sound_volume          INTEGER,
75         blind_state           INTEGER
76     );
77
78     CREATE TABLE sensors (
79         id                     INTEGER NOT NULL,
80         ip_address             VARCHAR2(15) NOT NULL,
81         rooms_id              INTEGER NOT NULL,
82         type                   VARCHAR2(15) NOT NULL,
83         name                   VARCHAR2(15),
84         reading                INTEGER NOT NULL
85     );
86
87     CREATE TABLE switches (
88         id                     INTEGER NOT NULL,
89         ip_address             VARCHAR2(15) NOT NULL,
90         rooms_id              INTEGER NOT NULL,
91         type                   VARCHAR2(10) NOT NULL,
92         name                   VARCHAR2(20),
93         state                  CHAR(1) NOT NULL
94     );
95
96     ----wiezy integralnosci
97
98     ALTER TABLE air_stuff ADD CONSTRAINT air_stuff_pk PRIMARY KEY ( id );
99
100    ALTER TABLE air_stuff ADD CONSTRAINT air_stuff_ip_adress_un UNIQUE ( ip_adress );
101
102    ALTER TABLE led_lighting ADD CONSTRAINT led_lighting_pk PRIMARY KEY ( id );
103
104    ALTER TABLE led_lighting ADD CONSTRAINT led_lighting_ip_adress_un UNIQUE ( ip_adress );
105
106    ALTER TABLE motor ADD CONSTRAINT motor_pk PRIMARY KEY ( id );
107
108    ALTER TABLE motor ADD CONSTRAINT motor_ip_adress_un UNIQUE ( ip_adress );
109
110    ALTER TABLE net_infrastructure ADD CONSTRAINT net_infrastructure_pk PRIMARY KEY ( id );
111
112    ALTER TABLE net_infrastructure ADD CONSTRAINT net_infrastructure_ip_adress_un UNIQUE (
113        ip_adress );
114
115    ALTER TABLE output_devices ADD CONSTRAINT output_devices_pk PRIMARY KEY ( id );
116
117    ALTER TABLE output_devices ADD CONSTRAINT output_devices_ip_adress_un UNIQUE (
118        ip_adress );
119
120    ALTER TABLE rooms ADD CONSTRAINT rooms_pk PRIMARY KEY ( id );
121
122    ALTER TABLE rooms ADD CONSTRAINT rooms_name_un UNIQUE ( name );
123
124    ALTER TABLE sensors ADD CONSTRAINT sensors_pk PRIMARY KEY ( id );
125
126    ALTER TABLE sensors ADD CONSTRAINT sensors_ip_adress_un UNIQUE ( ip_adress );
127
128    ALTER TABLE switches ADD CONSTRAINT switches_pk PRIMARY KEY ( id );
129
130    ALTER TABLE switches ADD CONSTRAINT switches_ip_adress_un UNIQUE ( ip_adress );
131
132    ----związki między tabelami
133
134    ALTER TABLE air_stuff
135        ADD CONSTRAINT air_stuff_rooms_fk FOREIGN KEY ( rooms_id )
136        REFERENCES rooms ( id );
137
138    ALTER TABLE led_lighting
139        ADD CONSTRAINT led_lighting_rooms_fk FOREIGN KEY ( rooms_id )
140        REFERENCES rooms ( id );
141
142    ALTER TABLE motor
143        ADD CONSTRAINT motor_rooms_fk FOREIGN KEY ( rooms_id )
144        REFERENCES rooms ( id );

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144 ALTER TABLE net_infrastructure
145     ADD CONSTRAINT net_infrastructure_rooms_fk FOREIGN KEY ( rooms_id )
146     REFERENCES rooms ( id );
147
148 ALTER TABLE output_devices
149     ADD CONSTRAINT output_devices_rooms_fk FOREIGN KEY ( rooms_id )
150     REFERENCES rooms ( id );
151
152 ALTER TABLE sensors
153     ADD CONSTRAINT sensors_rooms_fk FOREIGN KEY ( rooms_id )
154     REFERENCES rooms ( id );
155
156 ALTER TABLE switches
157     ADD CONSTRAINT switches_rooms_fk FOREIGN KEY ( rooms_id )
158     REFERENCES rooms ( id );
159
160 ----tworzenie indexow
161
162 CREATE INDEX adress_air on air_stuff (ip_adress);
163
164 CREATE INDEX adresy_leds on led_lightning (ip_adress);
165
166 CREATE INDEX adresy_motor on motor (ip_adress);
167
168 CREATE INDEX adresy_net on net_infrastructure (ip_adress);
169
170 CREATE INDEX adresy_output on output_devices (ip_adress);
171
172 CREATE INDEX adresy_sensors on sensors (ip_adress);
173
174 CREATE INDEX switches on switches (ip_adress);
175
176 ----dodawanie danych
177
178 INSERT INTO rooms ('id', 'name', 'zone') VALUES (1, 'kuchnia', 'parter');
179
180 INSERT INTO rooms ('id', 'name', 'zone') VALUES (2, 'duzy pokoj', '1 pietro');
181
182 INSERT INTO rooms ('id', 'name', 'zone', 'temperature_set') VALUES (3, 'moj pokoj',
183     'piwnica', 20);
184
185 INSERT INTO air_stuff ('id','ip_adress', 'name', 'type', 'targeted_temperature',
186     'rooms_id') VALUES (1, '121.121.2.10', 'moja klima', 'klimatyzacja', 20,3);
187
188 INSERT INTO air_stuff ('id','ip_adress', 'name', 'type', 'targeted_temperature',
189     'rooms_id') VALUES (2, '121.121.2.11', 'ogrzewacz kuchnia', 'grzejnik', 22,1);
190
191 INSERT INTO air_stuff ('id','ip_adress', 'name', 'type', 'targeted_temperature',
192     'rooms_id') VALUES (3, '121.121.2.12', 'klima duzy pokoj', 'klimatyzacja', 22,2);
193
194 INSERT INTO led_lighting ('id','ip_adress', 'type', 'state', 'rooms_id') VALUES (1,
195     '121.121.2.4', 'żarówka led', 1, 1);
196
197 INSERT INTO led_lighting ('id','ip_adress', 'name', 'type', 'state', 'rooms_id')
198     VALUES (2, '121.121.2.5', 'swiatlo w kuchni', 'żarówka led', 0,2);
199
200 INSERT INTO led_lighting ('id','ip_adress', 'name', 'type', 'state', 'rooms_id',
201     'colour') VALUES (3, '121.121.2.6', 'pasek led', 'pasek led', 1, 3, 'ff00ff');
202
203 INSERT INTO motor ('id','ip_adress', 'name', 'type', 'state', 'rooms_id') VALUES (1,
204     '121.121.2.7', 'silownik okna kuchnia', 'okno', 0, 1);
205
206 INSERT INTO motor ('id','ip_adress', 'name', 'type', 'state', 'rooms_id') VALUES (2,
207     '121.121.2.8', 'moje drzwi', 'drzwi', 100, 3);
208
209 INSERT INTO motor ('id','ip_adress', 'name', 'type', 'state', 'rooms_id') VALUES (3,
210     '121.121.2.9', 'zamykadlo drzwi na werande', 'zamek', 100, 1);
211
212 INSERT INTO net_infrastructure ('id','ip_adress', 'name', 'type', 'rooms_id') VALUES
213     (1, '121.121.2.1', 'sterownik kuchnia', 'sterownik', 1);
214
215 INSERT INTO net_infrastructure ('id','ip_adress', 'name', 'type', 'rooms_id') VALUES
216     (2, '121.121.2.2', 'moj_modem', 'modem', 3);

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205
206 INSERT INTO net_infrastructure ('id','ip_adress', 'name', 'type', 'rooms_id') VALUES
(3, '121.121.2.3', 'sterwonik duzy pokoj', 'sterownik', 2);
207
208 INSERT INTO output_devices ('id','ip_adress', 'name', 'type', 'rooms_id', 'state',
'volume', 'playing') VALUES (1, '121.121.2.13', 'moj glosnik', 'głośnik', 3, '1',
43, '0');
209
210 INSERT INTO output_devices ('id','ip_adress', 'name', 'type', 'rooms_id', 'state',
'volume', 'playing') VALUES (2, '121.121.2.14', 'telewizor kuchnia', 'ekran', 1,
'0', 30, '0');
211
212 INSERT INTO output_devices ('id','ip_adress', 'name', 'type', 'rooms_id', 'state',
'volume', 'playing') VALUES (3, '121.121.2.15', 'telewizor duzy pokoj', 'ekran', 2,
'1', 63, '1');
213
214 INSERT INTO sensors ('id','ip_adress', 'name', 'type', 'rooms_id', 'reading') VALUES
(1, '121.121.2.16', 'termometr kuchnia', 'czujnik temperatury', 1, 24);
215
216 INSERT INTO sensors ('id','ip_adress', 'name', 'type', 'rooms_id', 'reading') VALUES
(2, '121.121.2.17', 'czujnik dymu', 'czujnik dymu', 1, 10);
217
218 INSERT INTO sensors ('id','ip_adress', 'name', 'type', 'rooms_id', 'reading') VALUES
(3, '121.121.2.18', 'termometr duzy pokoj', 'czujnik temperatury', 2, 21);
219
220 INSERT INTO switches ('id','ip_adress', 'name', 'type', 'rooms_id', 'state') VALUES
(1, '121.121.2.19', 'wylacznik fontanny', 'gniazdko', 3, '1');
221
222 INSERT INTO switches ('id','ip_adress', 'name', 'type', 'rooms_id', 'state') VALUES
(1, '121.121.2.20', 'wylacznik lampki', 'gniazdko', 3, '1');
223
224 INSERT INTO switches ('id','ip_adress', 'name', 'type', 'rooms_id', 'state') VALUES
(1, '121.121.2.21', 'swiatlo duzy pokoj', 'żarówka', 2, '0');
225
226 -- Oracle SQL Developer Data Modeler Summary Report:
227 --
228 -- CREATE TABLE 8
229 -- CREATE INDEX 0
230 -- ALTER TABLE 23
231 -- CREATE VIEW 0
232 -- ALTER VIEW 0
233 -- CREATE PACKAGE 0
234 -- CREATE PACKAGE BODY 0
235 -- CREATE PROCEDURE 0
236 -- CREATE FUNCTION 0
237 -- CREATE TRIGGER 0
238 -- ALTER TRIGGER 0
239 -- CREATE COLLECTION TYPE 0
240 -- CREATE STRUCTURED TYPE 0
241 -- CREATE STRUCTURED TYPE BODY 0
242 -- CREATE CLUSTER 0
243 -- CREATE CONTEXT 0
244 -- CREATE DATABASE 0
245 -- CREATE DIMENSION 0
246 -- CREATE DIRECTORY 0
247 -- CREATE DISK GROUP 0
248 -- CREATE ROLE 0
249 -- CREATE ROLLBACK SEGMENT 0
250 -- CREATE SEQUENCE 0
251 -- CREATE MATERIALIZED VIEW 0
252 -- CREATE MATERIALIZED VIEW LOG 0
253 -- CREATE SYNONYM 0
254 -- CREATE TABLESPACE 0
255 -- CREATE USER 0
256 --
257 -- DROP TABLESPACE 0
258 -- DROP DATABASE 0
259 --
260 -- REDACTION POLICY 0
261 --
262 -- ORDS DROP SCHEMA 0
263 -- ORDS ENABLE SCHEMA 0
264 -- ORDS ENABLE OBJECT 0

```

265	--		
266	--	ERRORS	0
267	--	WARNINGS	0
268			