CREATE DATABASE UnitCenterDB;

CREATE SCHEMA UCDB;

CREATE TABLE UCDB.Login(

Username VARCHAR(12) PRIMARY KEY,

Password VARCHAR(8) NOT NULL,

AccessKey CHAR(12) OPTIONAL,

);

CREATE TABLE UCDB.Area(

AreaID SMALLINT PRIMARY KEY,

Name VARCHAR(16) NOT NULL,

);

INSERT INTO UCDB.Area(AreaID,Name)  
VALUES (1, ‘Aveiro’);

CREATE TABLE UCDB.RadarPermissions(

Username VARCHAR(12),

RadarID SMALLINT,

Permission CHAR(3) not null,

FOREIGN KEY(Username) REFERENCES UCDB.Login(Username),

FOREIGN KEY(RadarID) REFERENCES UCDB.Radar(ID),

);

INSERT INTO UCDB.RadarPermissions(AreaID,RadarID)  
VALUES (1, 1);

CREATE TABLE UCDB.CameraPermissions(

AreaID SMALLINT,

CameraID SMALLINT ,

FOREIGN KEY(AreaID) REFERENCES UCDB.AREA(AreaID),

FOREIGN KEY(CameraID) REFERENCES UCDB.Camera(ID),

);

CREATE TABLE UCDB.SensorPermissions(

AreaID SMALLINT,

SensorID SMALLINT PRIMARY KEY,

FOREIGN KEY(AreaID) REFERENCES UCDB.AREA(AreaID),

FOREIGN KEY(SensorID) REFERENCES UCDB.Radar(ID),

);

CREATE TABLE UCDB.Radar(

AreaID SMALLINT ,

ID SMALLINT PRIMARY KEY,

FOREIGN KEY(AreaID) REFERENCES UCDB.AREA(AreaID),

);

INSERT INTO UCDB.Radar(AreaID,RadarID)  
VALUES (1, 1);

CREATE TABLE UCDB.Camera(

AreaID SMALLINT,

ID SMALLINT PRIMARY KEY,

FOREIGN KEY(AreaID) REFERENCES UCDB.AREA(AreaID),

);

CREATE TABLE UCDB.Sensor(

AreaID SMALLINT,

ID SMALLINT PRIMARY KEY,

FOREIGN KEY(AreaID) REFERENCES UCDB.AREA(AreaID),

);