Phase 2 SQL

CS 6400 – Fall 2016

Team028

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CREATE TABLE USER (
        Username varchar(50) NOT NULL,
        Name varchar(50) NOT NULL,
        Password varchar(50) NOT NULL,
        PRIMARY KEY (Username));

CREATE TABLE COMPANY (
        Username varchar(50) NOT NULL,
        Headquarter varchar(50) NULL,
        PRIMARY KEY (Username),
        FOREIGN KEY (Username)
                REFERENCES USER (Username));

CREATE TABLE GOVERNMENT_AGENCY (
        Username varchar(50) NOT NULL,
        Jurisdiction varchar(50) NULL,
        PRIMARY KEY (Username),
        FOREIGN KEY (Username)
                REFERENCES USER (Username));

CREATE TABLE MUNICIPALITY (
        Username varchar(50) NOT NULL,
        Population_size varchar(50) NULL,
        PRIMARY KEY (Username),
        FOREIGN KEY (Username)
                REFERENCES USER (Username));

CREATE TABLE INDIVIDUAL (
        Username varchar(50) NOT NULL,
        Job_title varchar(50) NULL,
        Date_hired NULL
        PRIMARY KEY (Username),
        FOREIGN KEY (Username)
                REFERENCES USER (Username));

CREATE TABLE INCIDENT (
        Username varchar(50) NOT NULL,
        Inc_ID int NOT NULL,
        Date datetime NULL,
        Description varchar(50) NULL,
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        Longitude double NOT NULL,
        Latitude double NOT NULL,
        PRIMARY KEY (Username, Inc_ID),
        FOREIGN KEY (Username)
                REFERENCES USER (Username));

CREATE TABLE RESOURCES (
        Username varchar(50) NOT NULL,
        Res_ID int NOT NULL,
        Res_name varchar(50) NULL,
        ID_desc varchar(100) NOT NULL,
        Model varchar(50) NULL,
        Home_lat double NULL,
        Home_long double NULL,
        Price int NULL,
        Status varchar(50) NULL,
        Available_date datetime NULL,
        Rep_start datetime NULL,
        Cost_unit varchar(50) NULL,
        PRIMARY KEY (Username, Res_ID),
        FOREIGN KEY (Username)
                REFERENCES USER (Username),
        FOREIGN KEY (ID_desc)
                REFERENCES ESF (ID_description),
        FOREIGN KEY (Cost_unit)
                REFERENCES COST_UNIT (unit));

CREATE TABLE ESF (
        ID_description varchar(100) NOT NULL,
        PRIMARY KEY (ID_description));

CREATE TABLE COST_UNIT (
        Unit varchar(50) NOT NULL,
        PRIMARY KEY (Unit));

CREATE TABLE RES_CAP (
        Res_ID int NOT NULL,
        Res_capability varchar(50) NULL,
        PRIMARY KEY (Res_ID, Res_capability),
        FOREIGN KEY (Res_ID)
                REFERENCES RESOURCES (Res_ID));

CREATE TABLE ADDI_HAS (
        Res_ID int NOT NULL,
        ID_desc varchar(100) NOT NULL,
        UNIQUE (Res_ID, ID_desc),
        FOREIGN KEY (Res_ID)
                REFERENCES RESOURCES (Res_ID)
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        FOREIGN KEY (ID_desc)
                REFERENCES ESF (ID_description));

CREATE TABLE REQUEST (
        Inc_ID int NOT NULL,
        Res_ID int NOT NULL,
        Start_date datetime NULL,
        Return_by datetime NULL,
        UNIQUE (Inc_ID, Rec_ID),
        FOREIGN KEY (Inc_ID)
                REFERENCES INCIDENT (Inc_ID),
        FOREIGN KEY (Res_ID)
                REFERENCES RESOURCES (Res_ID));
```