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# Create Database

CREATE DATABASE IF NOT EXISTS ERMS\_TEAM49;

USE ERMS\_TEAM49;

# Create Tables

## # CREATE USERS TABLE

DROP TABLE IF EXISTS USERS;

CREATE TABLE IF NOT EXISTS USERS(

USERNAME VARCHAR(50) NOT NULL,

PASSWORD VARCHAR(50) NOT NULL,

NAME VARCHAR(150) NOT NULL,

primary key (USERNAME)

);

## # CREATE INDIVIDUAL\_USERS TABLE

DROP TABLE IF EXISTS INDIVIDUAL\_USERS;

CREATE TABLE IF NOT EXISTS INDIVIDUAL\_USERS(

USERNAME VARCHAR(50) NOT NULL,

JOBTITLE VARCHAR(150) NOT NULL,

DATEOFHIRE DATE NOT NULL,

primary key (USERNAME),

foreign key (USERNAME)

REFERENCES USERS(USERNAME)

ON DELETE CASCADE

ON UPDATE CASCADE

);

## # CREATE MUNICIPALITY\_USERS TABLE

DROP TABLE IF EXISTS MUNICIPALITY\_USERS;

CREATE TABLE IF NOT EXISTS MUNICIPALITY\_USERS(

USERNAME VARCHAR(50) NOT NULL,

POPULATION INT NOT NULL,

primary key (USERNAME),

foreign key (USERNAME)

REFERENCES USERS(USERNAME)

ON DELETE CASCADE

ON UPDATE CASCADE

);

## # CREATE GOVAGENCY\_USERS TABLE

DROP TABLE IF EXISTS GOVAGENCY\_USERS;

CREATE TABLE IF NOT EXISTS GOVAGENCY\_USERS(

USERNAME VARCHAR(50) NOT NULL,

JURISDICTION VARCHAR(255) NOT NULL,

primary key (USERNAME),

foreign key (USERNAME)

REFERENCES USERS(USERNAME)

ON DELETE CASCADE

ON UPDATE CASCADE

);

## # CREATE COMPANY\_USERS TABLE

DROP TABLE IF EXISTS COMPANY\_USERS;

CREATE TABLE IF NOT EXISTS COMPANY\_USERS(

USERNAME VARCHAR(50) NOT NULL,

LOC\_OF\_HQ VARCHAR(255) NOT NULL,

primary key (USERNAME),

foreign key (USERNAME)

REFERENCES USERS(USERNAME)

ON DELETE CASCADE

ON UPDATE CASCADE

);

## # CREATE INCIDENT TABLE

DROP TABLE IF EXISTS INCIDENTS;

CREATE TABLE IF NOT EXISTS INCIDENTS(

INC\_ID int NOT NULL AUTO\_INCREMENT,

USERNAME VARCHAR(50) NOT NULL,

DESCRIPTION VARCHAR(255) NOT NULL,

LATITUDE DECIMAL(9,6) NOT NULL,

LONGITUDE DECIMAL(9,6) NOT NULL,

primary key (INC\_ID),

foreign key (USERNAME)

REFERENCES USERS(USERNAME)

ON DELETE CASCADE

ON UPDATE CASCADE

);

## # CREATE ESF TABLE

DROP TABLE IF EXISTS ESF;

CREATE TABLE IF NOT EXISTS ESF(

ESF\_ID INT NOT NULL,

DESCRIPTION VARCHAR(255) NOT NULL,

primary key (ESF\_ID)

);

## # CREATE COST\_PER TABLE

DROP TABLE IF EXISTS COST\_PER;

CREATE TABLE IF NOT EXISTS COST\_PER(

COSTPER VARCHAR(50) NOT NULL,

primary key (COSTPER)

);

## # CREATE RESOURCE TABLE

DROP TABLE IF EXISTS RESOURCE;

CREATE TABLE IF NOT EXISTS RESOURCE(

ID int NOT NULL AUTO\_INCREMENT,

USERNAME VARCHAR(50) NOT NULL,

NAME VARCHAR(50) NOT NULL,

P\_ESF INT,

M\_NAME VARCHAR(50) NULL, #MODEL NAME

AMOUNT DECIMAL NOT NULL,

COST\_PER VARCHAR(50) NOT NULL,

STATUS VARCHAR(255) NOT NULL,

DATE\_AV DATE NOT NULL, # DATE AVAILABLE

LATITUDE DECIMAL(9,6) NOT NULL,

LONGITUDE DECIMAL(9,6) NOT NULL,

primary key (ID),

foreign key (USERNAME)

REFERENCES USERS(USERNAME)

ON DELETE CASCADE

ON UPDATE CASCADE,

foreign key (P\_ESF)

REFERENCES ESF(ESF\_ID)

ON DELETE CASCADE

ON UPDATE CASCADE,

foreign key (COST\_PER)

REFERENCES COST\_PER(COSTPER)

ON DELETE CASCADE

ON UPDATE CASCADE

);

## # CREATE RESOURCE\_CAPABILTY TABLE

DROP TABLE IF EXISTS RESOURCE\_CAPABILTY;

CREATE TABLE IF NOT EXISTS RESOURCE\_CAPABILTY(

RES\_ID INT NOT NULL,

CAPABILITY VARCHAR(255) NOT NULL,

primary key (RES\_ID,CAPABILITY),

foreign key (RES\_ID)

REFERENCES RESOURCE(ID)

ON DELETE CASCADE

ON UPDATE CASCADE

);

## # CREATE ADDITIONAL\_ESF TABLE

DROP TABLE IF EXISTS ADDITIONAL\_ESF;

CREATE TABLE IF NOT EXISTS ADDITIONAL\_ESF(

RES\_ID INT NOT NULL,

ESF\_ID INT NOT NULL,

primary key (RES\_ID,ESF\_ID),

foreign key (RES\_ID)

REFERENCES RESOURCE(ID)

ON DELETE CASCADE

ON UPDATE CASCADE,

foreign key (ESF\_ID)

REFERENCES ESF(ESF\_ID)

ON DELETE CASCADE

ON UPDATE CASCADE

);

## # CREATE ADDITIONAL\_ESF TABLE

DROP TABLE IF EXISTS ADDITIONAL\_ESF;

CREATE TABLE IF NOT EXISTS ADDITIONAL\_ESF(

RES\_ID INT NOT NULL,

ESF\_ID INT NOT NULL,

primary key (RES\_ID,ESF\_ID),

foreign key (RES\_ID)

REFERENCES RESOURCE(ID)

ON DELETE CASCADE

ON UPDATE CASCADE,

foreign key (ESF\_ID)

REFERENCES ESF(ESF\_ID)

ON DELETE CASCADE

ON UPDATE CASCADE

);

## # CREATE REQUESTS TABLE

DROP TABLE IF EXISTS REQUESTS;

CREATE TABLE IF NOT EXISTS REQUESTS(

RES\_ID INT NOT NULL,

INC\_ID INT NOT NULL,

REQ\_DATE DATE NOT NULL,

RET\_DATE DATE NOT NULL,

STATUS VARCHAR(25),

APP\_DATE DATE,

primary key (RES\_ID,INC\_ID),

foreign key (RES\_ID)

REFERENCES RESOURCE(ID)

ON DELETE CASCADE

ON UPDATE CASCADE,

foreign key (INC\_ID)

REFERENCES INCIDENTS(INC\_ID)

ON DELETE CASCADE

ON UPDATE CASCADE

);

## # CREATE REP\_REQUESTS TABLE

DROP TABLE IF EXISTS REP\_REQUESTS;

CREATE TABLE IF NOT EXISTS REP\_REQUESTS(

RES\_ID INT NOT NULL,

START\_DATE DATE NOT NULL,

READY\_DATE DATE NOT NULL,

primary key (RES\_ID),

foreign key (RES\_ID)

REFERENCES RESOURCE(ID)

ON DELETE CASCADE

ON UPDATE CASCADE

);