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Senior Project - Database Tables and Sample Data

Keben Carrillo, Elena Castaneda, Carlos Hernandez, Laura Moreno

DROP TABLE IF EXISTS User;

CREATE TABLE User

(
 Email VARCHAR(50) NOT NULL UNIQUE,
 PhoneNumber VARCHAR(13) NOT NULL UNIQUE,
 FName TEXT NOT NULL,
 MI TEXT,
 LName TEXT NOT NULL,
 Password TEXT NOT NULL,
 PRIMARY KEY(Email)
);

INSERT INTO User (Email, PhoneNumber, FName, LName, Password) VALUES

('rboate5@webeden.co.uk', '(943)766-2582', 'Madelaine', 'Boate', 'Hz3kaCq');

INSERT INTO User (Email, PhoneNumber, FName, MI, LName, Password) VALUES

('ljiranek7@imageshack.us', '(534)644-1917', 'Venita', 'Laurie', 'Jiranek', 'grbhwO');

INSERT INTO User (Email, PhoneNumber, FName, LName, Password) VALUES

('ehallums8@go.com', '(661)733-3930', 'Eada', 'Hallums', 'DUA65tcEKWBH');

INSERT INTO User (Email, PhoneNumber, FName, MI, LName, Password) VALUES

('acartmell0@loc.gov', '(747)119-7334', 'Emyle', 'Arlin', 'Cartmell', '2iNFQmx');

DROP TABLE IF EXISTS Tenant;

CREATE TABLE Tenant

(
 Email VARCHAR(50) NOT NULL,
 PRIMARY KEY(Email),
 FOREIGN KEY(Email) REFERENCES User(Email) ON DELETE CASCADE ON
UPDATE CASCADE
);

INSERT INTO Tenant (Email) VALUES ('rboate5@webeden.co.uk');

INSERT INTO Tenant (Email) VALUES ('ljiranek7@imageshack.us');

DROP TABLE IF EXISTS Landlord;

CREATE TABLE Landlord

(
 Email VARCHAR(50) NOT NULL,
 PRIMARY KEY(Email),

```
        FOREIGN KEY(Email) REFERENCES User(Email) ON DELETE CASCADE ON
UPDATE CASCADE
);
```

```
INSERT INTO Landlord (Email) VALUES ('ehallums8@go.com');
INSERT INTO Landlord (Email) VALUES ('acartmell0@loc.gov');
```

```
DROP TABLE IF EXISTS Property;
CREATE TABLE Property
(
    LEmail VARCHAR(50) NOT NULL,
    PropertyID SERIAL,
    NumOfRooms INT NOT NULL,
    NumOfBathrooms INT NOT NULL,
    Price DECIMAL(15,2) UNSIGNED NOT NULL,
    State TINYTEXT NOT NULL,
    City TINYTEXT NOT NULL,
    Zipcode INT(5) NOT NULL,
    PRIMARY KEY(LEmail, PropertyID),
    FOREIGN KEY(LEmail) REFERENCES Landlord(Email) ON DELETE
CASCADE ON UPDATE CASCADE
);
```

```
INSERT INTO Property (LEmail, PropertyID, NumOfRooms, NumOfBathrooms, Price,
State, City, Zipcode) VALUES ('ehallums8@go.com', 100000000, 3, 2, 140.00,
'California', 'Bakersfield', 93306);
INSERT INTO Property (LEmail, NumOfRooms, NumOfBathrooms, Price, State, City,
Zipcode) VALUES ('acartmell0@loc.gov', 2, 1, 64.00, 'New York', 'Albany', 12262);
INSERT INTO Property (LEmail, NumOfRooms, NumOfBathrooms, Price, State, City,
Zipcode) VALUES ('acartmell0@loc.gov', 3, 1, 104.50, 'Wisconsin', 'Appleton', 54915);
```

```
DROP TABLE IF EXISTS Occupies;
CREATE TABLE Occupies
(
    TEmail VARCHAR(50) NOT NULL,
    PropertyID BIGINT UNSIGNED NOT NULL,
    Start DATE DEFAULT CURRENT_DATE NOT NULL,
    End DATE DEFAULT NULL,
    Stars TINYINT UNSIGNED DEFAULT NULL,
    PRIMARY KEY(TEmail, PropertyID, Start),
```

```
        FOREIGN KEY(TEmail) REFERENCES Tenant(Email) ON DELETE CASCADE
ON UPDATE CASCADE,
        FOREIGN KEY(PropertyID) REFERENCES Property(PropertyID) ON DELETE
CASCADE ON UPDATE CASCADE
);
```

```
INSERT INTO Occupies (TEmail, PropertyID, Start, Stars) VALUES
('rboate5@webeden.co.uk', 100000000, '2011-03-11', 3);
INSERT INTO Occupies (TEmail, PropertyID, Start, End, Stars) VALUES
('ljiranek7@imageshack.us', 100000000, '2009-12-04', '2014-05-23', 4);
INSERT INTO Occupies (TEmail, PropertyID, Start, End, Stars) VALUES
('ljiranek7@imageshack.us', 100000000, '2015-12-04', '2016-08-12', 4);
```

```
DROP TABLE IF EXISTS Comment;
CREATE TABLE Comment
(
    CommentID SERIAL,
    UEmail VARCHAR(50) NOT NULL,
    ForEmail VARCHAR(50) NOT NULL,
    Message VARCHAR(500),
    Date DATETIME DEFAULT CURRENT_TIMESTAMP,
    PRIMARY KEY(CommentID),
    FOREIGN KEY(UEmail) REFERENCES User(Email) ON DELETE CASCADE
ON UPDATE CASCADE,
    FOREIGN KEY(ForEmail) REFERENCES User(Email) ON DELETE CASCADE
ON UPDATE CASCADE
);
```

```
INSERT INTO Comment (CommentID, UEmail, ForEmail, Message) VALUES
(200000000, 'acartmell0@loc.gov', 'rboate5@webeden.co.uk', 'They were really good
tenants!');
INSERT INTO Comment (UEmail, ForEmail, Message) VALUES ('ehallums8@go.com',
'ljiranek7@imageshack.us', 'Bob was always late for his rent! Never paid on time!');
INSERT INTO Comment (UEmail, ForEmail, Message) VALUES
('rboate5@webeden.co.uk', 'ehallums8@go.com', 'Hello there, how's the weather?');
```

```
DROP TABLE IF EXISTS CommentRates;
CREATE TABLE CommentRates
(
    UEmail VARCHAR(50) NOT NULL,
```

```
        CommentID BIGINT UNSIGNED NOT NULL,  
        Rating BOOLEAN,  
        PRIMARY KEY(UEmail, CommentID),  
        FOREIGN KEY(UEmail) REFERENCES User(Email) ON DELETE CASCADE  
ON UPDATE CASCADE,  
        FOREIGN KEY(CommentID) REFERENCES Comment(CommentID) ON  
DELETE CASCADE ON UPDATE CASCADE  
);
```

```
INSERT INTO CommentRates (UEmail, CommentID, Rating) VALUES  
( 'ehallums8@go.com', 200000000, 1);  
INSERT INTO CommentRates (UEmail, CommentID, Rating) VALUES  
( 'ljiranek7@imageshack.us', 200000000, -1);
```

```
DROP TABLE IF EXISTS UserRates;  
CREATE TABLE UserRates  
(  
        UEmail VARCHAR(50) NOT NULL,  
        ForEmail VARCHAR(50) NOT NULL,  
        Stars TINYINT UNSIGNED NOT NULL,  
        PRIMARY KEY(UEmail, ForEmail),  
        FOREIGN KEY(UEmail) REFERENCES User(Email) ON DELETE CASCADE  
ON UPDATE CASCADE,  
        FOREIGN KEY(ForEmail) REFERENCES User(Email) ON DELETE CASCADE  
ON UPDATE CASCADE  
);
```

```
INSERT INTO UserRates (UEmail, ForEmail, Stars) VALUES('ehallums8@go.com',  
'rboate5@webeden.co.uk', 4);  
INSERT INTO UserRates (UEmail, ForEmail, Stars) VALUES  
( 'rboate5@webeden.co.uk', 'acartmell0@loc.gov', 5);  
INSERT INTO UserRates (UEmail, ForEmail, Stars) VALUES  
( 'rboate5@webeden.co.uk', 'ehallums8@go.com', 4);
```

```
DROP TABLE IF EXISTS PropertyType;  
CREATE TABLE PropertyType  
(  
        PropertyID BIGINT UNSIGNED NOT NULL,  
        Type TEXT NOT NULL,  
        PRIMARY KEY(PropertyID),
```

```
        FOREIGN KEY (PropertyID) REFERENCES Property(PropertyID) ON DELETE  
        CASCADE ON UPDATE CASCADE  
    );
```

```
INSERT INTO PropertyType (PropertyID, Type) VALUES (100000000, "House");  
INSERT INTO PropertyType (PropertyID, Type) VALUES (100000001, "Apartment");  
INSERT INTO PropertyType (PropertyID, Type) VALUES (100000002, "House");
```

// List of property types we will allow on our dropdown list:

```
//      Apartment  
//      Condo  
//      House  
//      Mobile Home  
//      Studio  
//      Trailer Home
```