When service is requested, unique identifier (Primary key, probably an int, auto-increment by one). 5 attributes, order number (primary key), type of order, date, service state, and free form comments (list of comments).

Each comment is associated with who wrote it, probably a separate table. Body text of comment, who made it, date, foreign key order number, primary key who made it and date (maybe order number). Comments can be made by any number of people and IP addresses.

Order types will also be split into another table, one with Type of Order ID and an explanation of it.

People all have first name, last name, role, phone, email address. Which are then split into three types.

Clients create and manage requests, also add comments.

Handlers recommend pet sitters to clients (clients can either accept or deny)

Sitter gets access to clients contact info when assigned, then when completed the order is archived.

Free form comments sorted by date.

Service: order number (primary key), type of order (part of dynamically changing list), date (date), service state (one of three), comments (list of comments), client number (FK), sitter number (FK), boolean archived or not.

Comment: Comment Number (primary key), Person’s name (FK, first name last name), body text (varchar), date (date), order number (FK), IP Address

Client: first name, last name, role, phone, email address, id number (primary key), requests (a list of requests under this person). Ability to: create and manage requests, also leave comments. Can accept or deny sitters.

Handler: first name, last name, role, phone, email address, id number (primary key). Ability to: recommend pet sitters to clients. See requests, but can not accept.

Sitter: first name, last name, role, phone, email address, id number (primary key). Ability to: take on requests, gains access to clients info. Updates status.

Service:

Order Number Int PK NOT NULL

Type of order VarChar NOT NULL (Check)

DatePosted date NOT NULL

DateDue date NOT NULL

ServiceState VARCHAR NOT NULL (Check)

Comments list NULL

Client Number INT FK NOT NULL

Sitter Number INT FK NULL

Archived BOOL NOT NULL

COMMENT:

Comment Number INT PK NOT NULL

Person Name VARCHAR FK NOT NULL

DatePosted date NOT NULL

BodyText VARCHAR NOT NULL

OrderNumber int FK NOT NULL

IP Address string NOT NULL

CLIENT:

ID number INT PK NOT NULL

FirstName VARCHAR NOT NULL

LastName VARCHAR NOT NULL

Phone INT NULL

Email VARCHAR NOT NULL

Requests LIST NULL

Handler:

ID number INT PK NOT NULL

FirstName VARCHAR NOT NULL

LastName VARCHAR NOT NULL

Phone INT NULL

Email VARCHAR NOT NULL

Sitter:

ID number INT PK NOT NULL

FirstName VARCHAR NOT NULL

LastName VARCHAR NOT NULL

Phone INT NULL

Email VARCHAR NOT NULL

Requests LIST NULL

CREATE TABLE OrderTypes (

TypeOfOrderID INT PRIMARY KEY,

TypeName VARCHAR(255)

);

