**Brandon Fifield**

**201238730**

**A)**

1.) Pets

2.) Owners

3.) Kennels

4.) Treatments

5.) Visits

6.) Treatment Visits

**B)**

|  |  |  |
| --- | --- | --- |
| **Entity 1** | **Entity 2** | **Cardinality of Relationship From Entity 1 to Entity 2** |
| Pets | Owners | M:1 |
| Pets | Kennels | M:M |
| Pets | Visits | 1:M |
| Kennels | Visits | 1:M |
| Pets | Treatments | M:M |
| Pets | Treatment Visits | 1:M |
| Treatments | Treatment Visits | 1:M |

**C)**

Pets (Pet ID, Owner ID, Type, Pet Name, Year of Birth, Insurance Value, Special Instructions)

Owners (Owner ID, First Name, Last Name, Address, City, Phone Number)

Kennels (Kennel Number, Size, Bathroom?)

Treatments (Option ID, Spa Treatment Option, Cost)

Visits (Kennel Number, Pet ID, Start Date, End Date)

Treatment Visits (Option ID, Pet ID, Treatment Date)

**D)**

|  |  |  |  |
| --- | --- | --- | --- |
| **From Table** | **From Field** | **To Table** | **To Field** |
| Owner | Owner ID | Pets | Owner ID |
| Pets | Pet ID | Visits | Pet ID |
| Kennels | Number | Visits | Number |
| Pets | Pet ID | Treatment Visits | Pet ID |
| Treatments | Option ID | Treatment Visits | Option ID |

**E)**

**Table Name: Pets**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Size** | **Description** |
| Pet ID | Text | 10 | Primary key that uniquely identifies each pet. |
| Owner ID | Text | 9 | Foreign key used to link Owner and Pet. |
| Type | Text | 3 | The kind of pet (Cat or Dog). |
| Pet Name | Text | 10 | The name of the pet. |
| Year of Birth | Date/Time |  | Year of birth of the pet. |
| Insurance Value | Currency |  | Insurance value of the pet. |
| Special Instructions | Text | 100 | Instructions left by the owner for this pet which is to be followed or used as guidance by the staff at the Hotel. |