**ILP Business Orientation Batch-1 : Assignment 2**

**Pet Adoption Management System**

**TABLES:**

**Master Tables**

**1] Pet Table**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PetID** | **Name** | **Species** | **Size** | **Gender** |
| P-1 | Lucy | Parrot | Small | Female |
| P-2 | Milo | Dog | Large | Male |
| P-3 | Fergus | Rabbit | Small | Male |
| P-4 | Salem | Cat | Medium | Male |
| P-5 | Luna | Cat | Small | Female |

PetID – primary key varchar (10)

Name - not null varchar (25)

Species – not null varchar (15)

Size - not null varchar (15)

Gender - not null varchar (10)

**2] User Table**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **UserID** | **Username** | **Email** | **Password** | **Phone No.** | **Address** |
| U-1 | aryamahindra1239 | arbi78@gmail.com | arya@123 | 9877867890 | 123 Main St, Cityville |
| U-2 | mustardroot3490 | parashu34@gmail.com | pyne@55 | 9785650896 | 456 Oak St, Townsville |
| U-3 | Puppylover6788 | alishat3445@gmail.com | cynic345 | 9787670453 | 789 Pine St, Villatown |
| U-4 | thursdayblues4565 | pierceblue5667@gmail.com | blueman348 | 9565887099 | 798 Rose St,Sansville |

UserID – primary key varchar (10)

Username – varchar (25) not null

Email – varchar (25)

Password – varchar (25) not null

Phone No.- int not null

Address – varchar (30) not null

**3] Shelter Table**

|  |  |  |
| --- | --- | --- |
| **ShelterID** | **ShelterName** | **Location** |
| S-1 | Happy Paws Shelter | 123 Main St, Cityville |
| S-2 | Whisker Haven | 456 Oak St, Townsville |
| S-3 | Pawsome Retreat | 789 Pine St, Villatown |

ShelterID – varchar (10) not null primary key

ShelterName – varchar (20) not null

Location – varchar (30) not null

**4] Staff table**

|  |  |  |  |
| --- | --- | --- | --- |
| **StaffID** | **Name** | **Email** | **Phone** |
| F-1 | Sarah Johnson | [happypaws@gmail.com](mailto:happypaws@email.com) | 555-111-2222 |
| F-2 | Bob Smith | [whiskerhaven@gmail.com](mailto:whiskerhaven@email.com) | 555-222-3333 |
| F-3 | Alice Brown | [pawsome@gmail.com](mailto:pawsome@email.com) | 555-333-4444 |
| F-4 | Brian Jackson | happypaws.brian@gmail.com | 555-444-7777 |
| F-5 | Gertrude Weathers | whiskerhaven.gertrude@gmail.com | 555-777-2222 |

StaffID – varchar (5) not null primary key

Name – varchar (25) not null

Email – varchar (30)

Phone – bigint not null

**5] Status Table**

|  |  |
| --- | --- |
| **StatusID** | **Status** |
| SI-1 | Pending |
| SI-2 | Approved |
| SI-3 | Rejected |

StatusID – varchar(10) not null primary key

Status – varchar (10) not null

**Mapping tables**

**6] Pet-Shelter Mapping**

|  |  |  |  |
| --- | --- | --- | --- |
| **MappingID** | **PetID** | **StaffID** | **ShelterID** |
| M-1 | P-1 | F-1 | S-1 |
| M-2 | P-2 | F-2 | S-3 |
| M-3 | P-3 | F-1 | S-1 |
| M-4 | P-4 | F-3 | S-2 |
| M-5 | P-5 | F-5 | S-2 |

MappingID – varchar (5) not null primary key

PetID, StaffID, ShelterID – varchar (5) not null foreign key

**7] Adoption Request Table**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **RequestID** | **UserID** | **MappingID** | **RequestDate** | **StatusID** |
| R-1 | U-1 | M-1 | 2023-01-10 08:30:00 | SI-1 |
| R-2 | U-1 | M-4 | 2023-02-05 12:15:00 | SI-2 |
| R-3 | U-2 | M-3 | 2023-02-20 09:45:00 | SI-3 |
| R-4 | U-4 | M-2 | 2023-05-17 17:32:20 | SI-2 |
| R-5 | U-3 | M-5 | 2023-07-11 11:12:34 | SI-1 |

RequestID – primary key not null

User ID, MappingID, StatusID – varchar (10) foreign key not null

Request Date – timestamp

**Transaction tables**

**8] Review Table**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ReviewID** | **RequestID** | **Rating** | **Comment** | **ReviewDate** |
| V-1 | R-4 | 4.5 | "Salem is a wonderful addition to our home!" | 2023-02-10 15:20:00 |
| V-2 | R-2 | 3.0 | "Milo is adorable, but a bit shy." | 2023-03-01 10:45:00 |

ReviewID – varchar (10) not null primary key

RequestID – varchar (10) not null foreign key

Rating – varchar (5) not null

Comment – varchar (100)

ReviewDate – timestamp

**9] Transaction table**

|  |  |  |  |
| --- | --- | --- | --- |
| **TransactionID** | **RequestID** | **TransactionDate** | **Amount** |
| T-601 | R-4 | 2023-02-15 09:30:00 | 75 |
| T-602 | R-2 | 2023-03-05 14:45:00 | 100 |

TransactionID – varchar (10) not null primary key

RequestID – varchar (10) not null foreign key

TransactionDate – timestamp

Amount – int

**ER-DIAGRAM:**

