

PAWPETS

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ABSTRACT

The objective of this RDBMS management application to develop a system that effectively manages all the data related to café events. The purpose is to maintain a centralized database of all event related information and processes necessary to manage the data efficiently. The administrator, is able to view all bookings scheduled and their details. Authentication is provided for this application, only registered users can make bookings and add their pet details, files can be stored in centralized database which can be maintained by the system provides the employees to manage the events systematically. This project is intended to build using EJS, CSS, Bootstrap and HTML at the frontend and PostgreSQL at the backend for the storage requirement.

1. INTRODUCTION

1.1 DATABASE MANAGEMENT SYSTEM

A database management system (DBMS) refers to the technology for creating and managing databases. Basically DBMS is a software tool to organize (create, retrieve, update and manage) data in a database, the main aim of a DBMS is to supply a way to store up and retrieve a database information that is both convenient and efficient.

Database systems are meant to handle large collection of information. Management of data involves both defining structures for storage of information and providing mechanisms that can do the manipulation of those information. Moreover, the database system must ensure the safety of the information stored, despite system crashes or attempts at unauthorized access.

1.2 HISTORY

Following the technology progress in the area of processor, computer, memory, computer storage, and computer networks, the sizes, capabilities and performance of databases and their respective DBMS's have grown in orders of magnitude. The development of database technology can be divided into three eras based on data model or structure: navigational, SQL/relational, and post relational.

The two main early navigational data models were the hierarchical model, epitomized by IBM's IMS system, and the CODASYL model (network model), implemented in a number of products such as IDMS.

The relational model, first proposed in 1970 by Edgar F. Codd, departed from this tradition by insisting that applications should search for data by content, rather than by following links. The relational model employs sets of ledger-style tables, each used for different type entity. Only in the mid-1980s did computing hardware become powerful enough to allow the wide deployment of relational systems (DBMSs plus application). By the early 1990s, however, relational systems dominated in all large -scale data processing applications, and as of 2015 they remain dominant: IBM DB2, Oracle, MySQL, and Microsoft SQL Server are the top DBMS. The dominant database language, standardized SQL for the relational model, has influenced database languages for other data models.

Object database were developed in the 1980s to overcome the inconvenience of object – relational impedance mismatch, which led the coining of the term “post-relational” and also the development of hybrid object-relational databases.

The next generation of post-relational databases in the late 2000s became known as NoSQL databases, introducing fast key value stores and document-oriented databases. A competing “next generation” known as New SQL databases attempted new implementations that retained the relational/SQL model while aiming to match the high performance of NoSQL compared to commercially available relational DBMSs.

1.3 PAWPETS

We all love pets, they are very adorable and cute. Pet owners might have issues while travelling and have to leave their pets home alone. Pawpets aims to overcome this insecurity by providing our customer with best pet care services. We provide playgrounds and other activities to keep your pals in top shape. We make sure your pets are active and healthy at all times while you enjoy your relaxing vacation. This project also aims to provide pet adoption opportunities. Let’s make this world a pawful place.

Pawpets café is open to cat and dog lovers and enthusiasts every day! Lounge in the company of our cats and dogs, while you sip on freshly brewed coffee or devour a slice of cake that come straight out of the oven. No entry charge or hourly pay for visiting our lovely felines, and you know what they say – time spent with pets is never wasted.

All cats are rescued and nurtured to good health before they join the huge cat clan of Pawpets. Also all cats at Pawpets are up for adoption. For details and consultation on adoption process, you can visit our café & contact the staff; we’re as friendly as our pets! Pawpets offers a varied menu consisting of coffee, tea, a variety of beverages including milkshakes, sandwiches, cakes, muffins, bagels, among others. So come in with your friends or family. Relax and de-stress yourself. Have a sip of coffee. Spend quality time with our prowlers.

Regular events at Pawpets are ranging from open Mics, band performance, flea markets to open houses, adoption camps and more. The events are organized in connection to popular festivals and public occasions like children’s day, Valentine’s Day, Christmas and New Year celebrations. So come relish the cat

café studio space to indulge in artistic endeavors by either exhibiting your art or performing here at our weekly events! The independent art circuit of Mumbai welcomes you.

1.3 OBJECTIVES

The main objective is

- To design and develop Pawpets café which to manage pet and booking records.
- To provide pet daycare service and more other services.
- To entertain visitors with pet collections.
- To monitor pet history and booking history.

2. DESIGN

2.1 SCHEMA

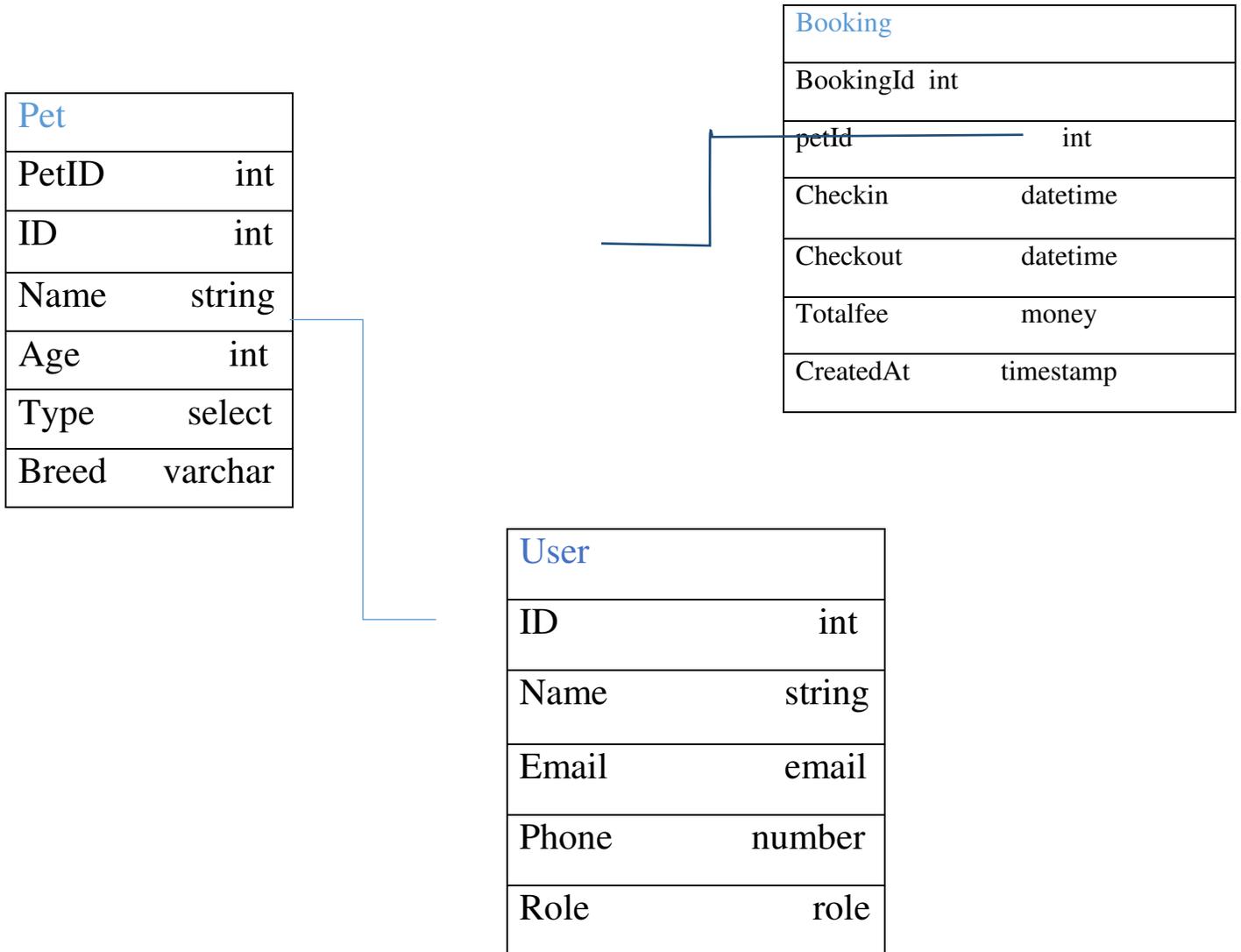


Fig 2.1: schema diagram

2.2 ER DIAGRAM

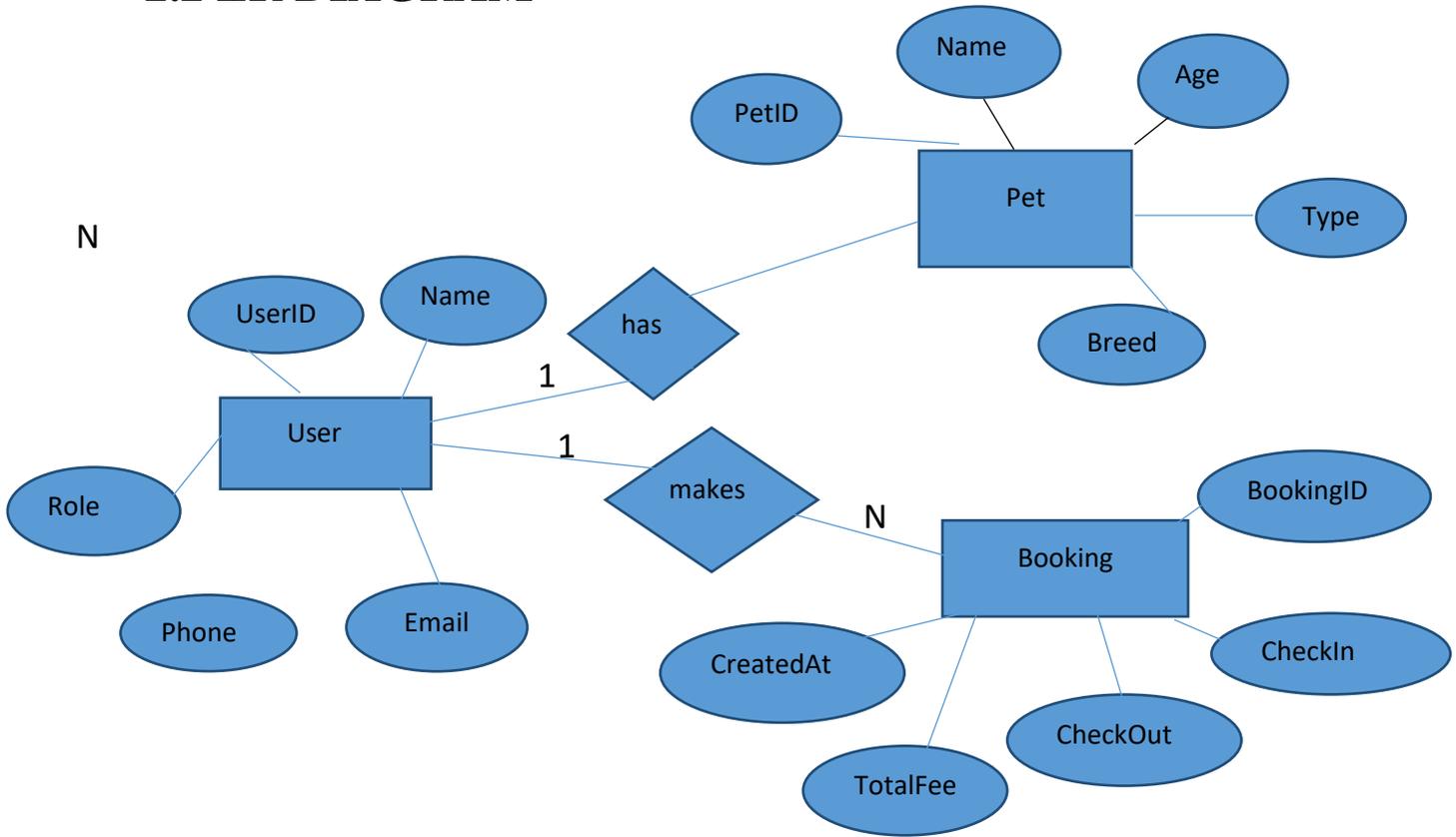


Fig 2.2: ER Diagram

3. TOOLS AND TECHNOLOGY

Software requirements:

Database: PostgreSQL

Framework: Node js

Language: EJS, HTML

Styling: CSS, bootstrap, favicons

Browser: firefox, google chrome

Hardware requirements:

Processor: intel® Core™ i7-7700HQ CPU @2.80GHz 2.81GHZ

Memory: 8GB DDR 4

Storage: 1TB HDD

Operating system: Windows 10 64-bit

4. IMPLEMENTATION

Connecting to database

PORT= 5003

PGHOST= 'localhost'

PGDATABASE= 'pawpet'

PGUSER= 'postgres'

PGPASSWORD= 'password'

PGPORT= 5432

Password encryption

```
Bcrypt.genSalt(10, (err,salt) => {  
    Bcrypt.hash(newUser.password, salt, (err, hash) => {  
        If (err) throw err;  
        newUser.password= hash;  
        newUser  
        .save()  
        .then(user => {  
            req.flash(  
                'success_msg',  
                'user successfully created'  
            );  
            Res.redirect('/users');
```

```
})
```

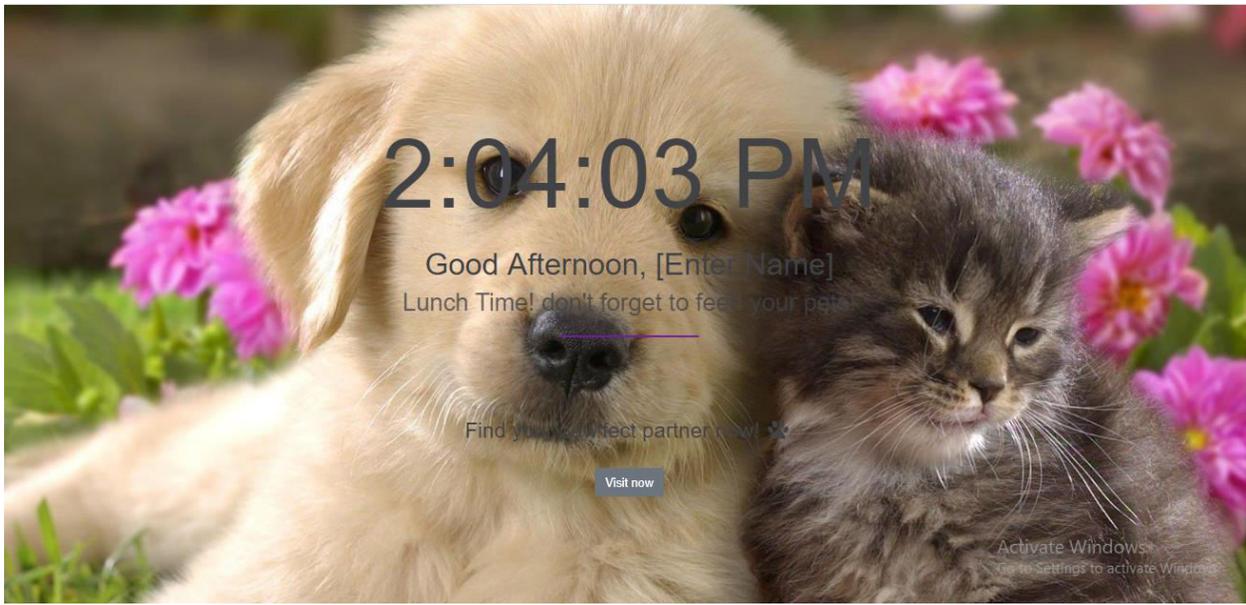
```
.catch(err => console.log(err));
```

```
});
```

```
});
```

Results and discussions

5.SNAPSHOTS





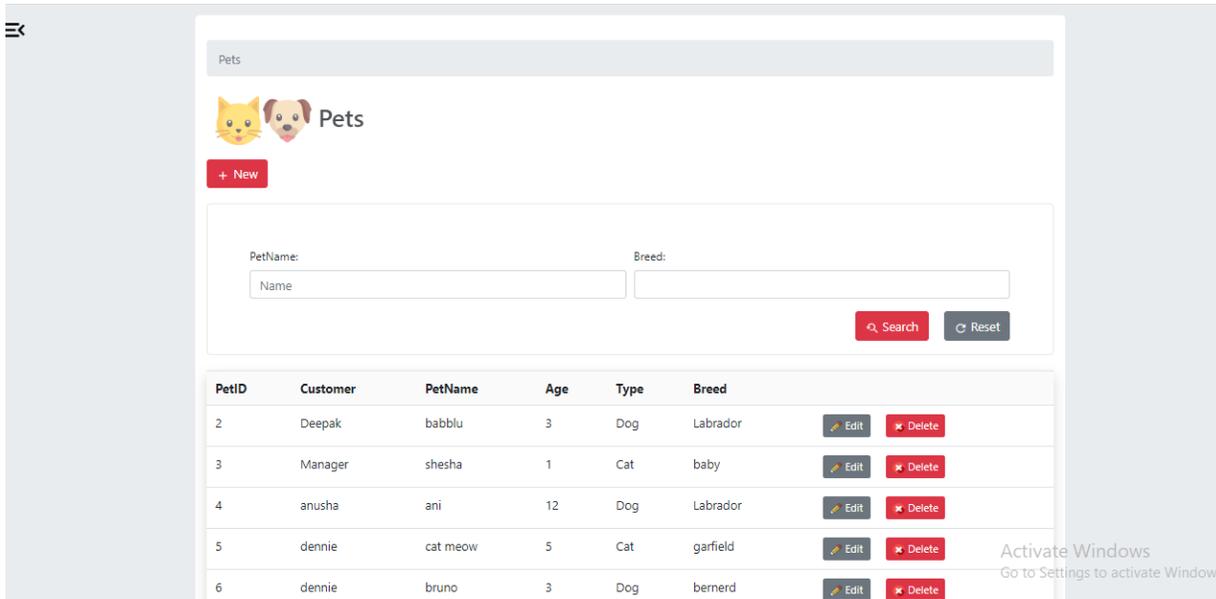
 Pawpets

Email

Password

[Create an account](#)

This is a demo application. Do not send/upload sensitive information!



Pets

 Pets

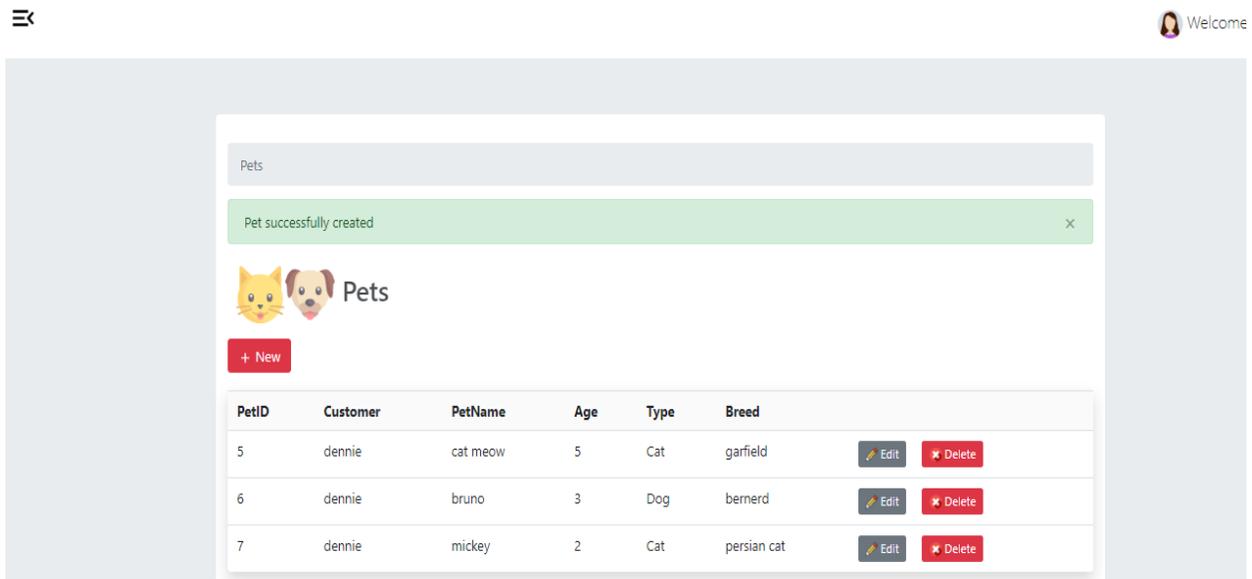
[+ New](#)

PetName: Breed:

[Search](#) [Reset](#)

PetID	Customer	PetName	Age	Type	Breed		
2	Deepak	babblu	3	Dog	Labrador	Edit	Delete
3	Manager	shesha	1	Cat	baby	Edit	Delete
4	anusha	ani	12	Dog	Labrador	Edit	Delete
5	dennie	cat meow	5	Cat	garfield	Edit	Delete
6	dennie	bruno	3	Dog	bernerd	Edit	Delete

Activate Windows
Go to Settings to activate Windows.



Pets

Pet successfully created

 Pets

[+ New](#)

PetID	Customer	PetName	Age	Type	Breed		
5	dennie	cat meow	5	Cat	garfield	Edit	Delete
6	dennie	bruno	3	Dog	bernerd	Edit	Delete
7	dennie	mickey	2	Cat	persian cat	Edit	Delete

Welcome



Welcome Manager

Bookings

Bookings

[+ New](#)

BookingID: OwnerName:

[Search](#) [Reset](#)

BookingID	OwnerName	PetName	Check In	Check Out	Total Fee	CreatedAt	
1	Deepak	babblu	Sun Jun 14 2020 2:27:00 PM	Tue Jun 16 2020 2:27:00 PM	300 INR	Sat Jun 13 2020	Cancel
3	Deepak	babblu	Sat Jun 13 2020 2:35:00 PM	Sun Jun 14 2020 2:35:00 PM	150 INR	Sat Jun 13 2020	Cancel

Activate Windows
Go to Settings to activate Windows.



Welcome Manager

Pets / [New pet\(s\)](#)

New Pet(s)

OwnerName:

Customer ID:

PetName:

Type:

Breed:

Age:

[Save](#) [Reset](#)

Activate Windows
Go to Settings to activate Windows.



Welcome Manager

Bookings

Bookings

+ New

BookingID: OwnerName:

BookingID	OwnerName	PetName	Check In	Check Out	Total Fee	CreatedAt	
1	Deepak	babblu	Sun Jun 14 2020 2:27:00 PM	Tue Jun 16 2020 2:27:00 PM	300 INR	Sat Jun 13 2020	<input type="button" value="Cancel"/>
3	Deepak	babblu	Sat Jun 13 2020 2:35:00 PM	Sun Jun 14 2020 2:35:00 PM	150 INR	Sat Jun 13 2020	<input type="button" value="Cancel"/>

Activate Windows
Go to Settings to activate Windows.



Welcome Manager

Bookings / New Booking(s)

New Booking(s)

Price per day:

PetID:

Arrival:

Departure:

Check fee:

TotalFee:

Activate Windows
Go to Settings to activate Windows.



Welcome Manager

Users

 **Users**

[+ New](#)

Email: Name:

[Search](#) [Reset](#)

Name	Email	Phone Number	Role	Gender	
Manager	manager@gmail.com	1234567890	Manager	Male	Delete
Deepak	deepak@gmail.com	9738868210	Customer	Male	Delete
anusha	anu@gmail.com	9449952789	Customer	Female	Delete

Activate Windows
Go to Settings to activate Windows.



Welcome Manager

Users / New user(s)

New User(s)

Name:

Email:

Phone:

Password:

Gender:

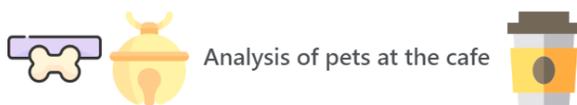
Role:

[Save](#) [Reset](#)

Activate Windows
Go to Settings to activate Windows.



Welcome Manager



Analysis of pets at the cafe

 TotalCount:

Number of Cats:

Number of Dogs:



Welcome Manager

Settings

Settings

Price per day (INR):



Welcome Manager

 Manager

Name:	<input type="text" value="Manager"/>
ID:	5ee48a786e6d194ce0392aa4
Email:	<input type="text" value="manager@gmail.com"/>
Phone:	1234567890
CreatedOn:	Sat Jun 13 2020 13:42:40 GMT+0530 (India Standard Time)

CONCLUSION

“PAWPETS” is successfully designed and developed to fulfill the necessary requirements, as identified in the requirements analysis phase, such as the system is very much user friendly, from level validation and field level validation are performing very efficiently. The present project has been developed to meet the aspirations indicated in the modern age. The user can view all his bookings details and his pet information available and track his pet activities and also get offer updates available at the café. The vision with the project is to make café management easier and user friendly.