A MINI PROJECT REPORT ON

PET SHELTER PORTAL

SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE IN THE PARTIAL FULFILLMENT FOR THE AWARD OF THE DEGREE

Of

BACHELOR OF ENGINEERING

IN

INFORMATION TECHNOLOGY

BY

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UNDER THE GUIDANCE OF

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.2017-2018

CERTIFICATE

This is to certify that the project report entitled

PET SHELTER PORTAL

Submitted by

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is a bona fide work carried out by them under the supervision of Prof. S. A. Jakhete and it is approved for the fulfillment of the requirement of Savitribai Phule Pune University for the award of the Degree of Bachelor of Engineering (Information Technology)

This project report has not been earlier submitted to any other Institute or University for the award of any degree or diploma.

Prof. S. A. Jakhete
Internal Guide
Department of Information Technology

Prof. R. B. Murumkar
Subject Coordinator
Department of Information Technology

External Examiner:

Date:

Place:

Date:

MINI-PROJECT: HappyPaws

ABSTRACT:

HappyPaws was conceptualized to solve the problem of finding a safe and loving home for many pet . The lack of suitable boarding options to leave pet ,when owner travelled turned out to be a gruelling problem that drove us to start HappyPaws.

The options available are to put pet in a kennel or to take them where owner travel, which is not always possible. HappyPaws aims to provide a platform for pet lovers who face these problems.

By developing this system, the management of pet performs in systematic through its function requirements. The users of HappyPaws are the pet-owners and pet-sitters.

Proposed System/website:

This proposed site replaces all drawbacks of existing sites. Here we have integrated all functions, features in one site. Here we are providing two main features, one is to create an account and second one is to become host or sitter. Here user will get all facilities for his/her pets that he wanted. As all features are integrated in one system so it ultimately saves time.

Objectives:

1) To provide information about sitters.
2) To maintain and handle database of sitters and pets.
3) To maintain and handle database of registrations .
4) To provide easy UI.
5) To maintain users dashboard.

Acknowledgement:

The satisfaction that accompanies that the successful completion of any task would be incomplete without the mention of people whose ceaseless cooperation made it possible, whose constant guidance and encouragement crown all efforts with success

This project is done as DBMS mini project for third year information technology program offered with the help of PICT,Pune.

We received emmence guidance from Mrs. S. A. Jakhete and subject co-ordinator of DBMS Mr. R. B. Murumkar. Because of their valuable guidance only we could complete this project. We express our sincere gratitude for it.

We also express our gratitude and thanks to our staff tutors and all other faculty members of the department of Information Technology of Pune Institute of Computer Technology for their quick help and expert opinions for completing this project.

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Content:

1)Introduction:

HappyPaws is a system that provides the management for the pets. First, the user must be registered before having any services. All the important criteria such as name of an owner, the pet's name, breed, address,email,etc need to be fulfill in the form given to the owner of the pet.After signup user will be able to login into the system and can find sitters nearby for his pet as per his requirement.The user can also become sitter by filling his required information.

1.1)Purpose:

To find safe and lovely home for pets.to connect petsitters and pet owners easliy through website for well-being of pets.

1.2)Scope:

Pet sitting is the act of temporarily taking care of another person's pet for a given time frame. It commonly occurs at the pet owner's home, but may also occur at the provider's home or at a pet sitting place of business or organization. Pet sitting is a more personal and individualized arrangement for care compared to boarding or kenneling. Specialized training is usually not required for pet sitting.

- A possible reduction in stress levels, due to the pets being cared for in their own homes
- A desire to prevent "travel trauma"

- The minimized exposure to illnesses and parasites from exposure to other animals
- Less rigorous vaccination requirements than those necessary at a kennel.
- It allowed pets to stay on regular routines and prevented the need to adapt to a new environment
- Convenience for pets with health problems and mobility issues due to arthritis, dysplasia, incontinence, etc.

  At HappyPaws we make sure that right care is being taken of your pet by pet sitter.

1.3)Definition:

HappyPaws is a website that provides the management for the pets.HappyPaws provides owners number of pet-sitters in there area so that owner can communicate with neary by pet-sitters and can travel tension-free.owner can also become pet-sitter if he/she wishes to and become a part of HappyPaws family.

1.4)References:

[1] S. Norazuwa. Diploma Thesis: “Web Based Library Management System”, Kolej Universiti Kejuruteraan dan Teknologi Malaysia, 2006.

[2] T. M. Connolly, C.E. Begg, Database System A Practical Approach to Design, Implementation and Management. Addison-Wesley, 2005.

[3] M.V, Database Design, Application, Development, and Administration, McGraw-Hill, New York, 2004.

[4] S. Kesh, “Evaluating the Quality of Entity Relationship Models”, Information and Software Technology, Vol 37, Issue 12, ScienceDirect, 1995, pp. 681-689.

1.5)Developers Responsibilities:

As a developer while we are developing our project for each step and process we need to just put ourselfs in shoes of project coordinator for getting a right and required output. We have developed a simple UI which will be easy to be familiar with users. we put our best effort to use all features of MySQL and Flask for our project like stored procedures

and triggers. Which eventually helped us lot in project development. It reduces our time of development and make it easier to debug the project and understand flow of program.

2)General Description:

2.1)Product Function Perspective:

The product is supposed to be an open source, under the GNU general Public License. It is a web based system implementing client-server model. The Pet Shelter Portal provides simple mechanism for users to home a pet.

The following are the main features that are included in Pet Shelter Portal:

User account(host): The system allows the user to create their accounts in the system and provide features like becoming host and finding sitter for pet.

User account(sitter): The system allows the user to create their accounts in the system and provide features like becoming sitter and taking care of host's pet.

Number of users being supported by the system: Though the number is precisely not mentioned but the system is able to support a large number of online users at a time.

Search: search is simply local search engine based on key words.

2.2)User Characteristics:

For this projects targeted users are the pet owners.

The targeted audience is supposed to be pretty much familiar with the website like such but we have tried to make the human computer interaction as smooth and easy as possible.

2.3)General Constraints:

There are six general constrants:

1)Risk:there are negligible chances of user to be at risk while using website as the website has user friendly design and instructions are provided where ever necessary

2)Resource:user just has to create account and can become host or sitter or both as per his/her will and will face no deficulty in doing so.

3)Quality:quality of webite is maintained by using latest tools for designing website and back-end purpose.

4)Scope: HappyPaws helps owners of pets to travel tension-free and provide best sitters who wil take care of there pets.

5)Time: HappyPaws helps users to find sitters anytime anywhere.

6)Cost:the website displays the charges per sitter depending on number of days the owner wants sitter to take care of pets.

2.4)Assumptions and Dependencies:

1)Assumptions:

- ·1 Human resource availability: All key project team members are available and have the necessary skills and knowledge to work on the project.
- ·2 Scheduling accuracy: The set deadlines and milestones are achievable and the project can be finished on time.
- ·3 Performance of project members: All necessary tools and software are available whenever you need them.

2)Dependancies:

different types of dependances used in project:

Causal or logical dependencies are those dependencies that can't be avoided. They are intrinsic to the nature of the project and the nature of the tasks involved.

Resource based dependencies: are driven by constraints. As we have already discussed, if there are only a limited number of skilled professionals available to work on a project, there is often a need to proceed sequentially simply because there aren't enough hands (or man power) to complete everything simultaneously.

Preferential dependencies: are dependencies that are guided by best practice or convenience. They are generally introduced in projects to focus on quality of deliverables

3)Specific Requirements:

3.1)Inputs and Outputs:

Input:

1)owner login _id and password through ineractive web page.

2)owner personal and professional information through interactive web page.

3)owner chooses to be host or sitter.

Output:

1)If owner login id and password are correct, it allows user to log in.

2)Database creation.

3)if owner becomes host then nearby sitter's are displayed for his pet.

4)if owner becomes sitter his information stored in database is displayed on sitter list.

3.2)Functional Requirements:

Requirement id	Requirement statement	Must/Need	Comment
P0001	To enter into this site user has to signup first. Requirements of signup are first name, last name, email-id, contact-number, password, etc	Must	
P0002	The system provides facility to login into system as host/sitter.	Must	
P0003	The system provides become host option so that user will be able to find sitters.	Must	

P0004	To find sitter host has to fill information about his/her pets.	Need	
P0005	Host can view the profile of sitter.	Need	
P0006	Host can select sitter as per requirement and sitter will get notification.	Need	
P0007	Sitter can accept or reject the request as per his/her availability.	Need	
P0008	Host/sitters can logout of system with ease.	must	

3.3)Functional Interface Requirements:

Performance Requirements:

- The system need to be reliable.
- If unable to process the request then appropriate error message.
- Web pages are loaded within few seconds.

Safety Requirements:

- The detail need to be maintained properly.
- Users must be authenticated.
- The database must be kept backed up.

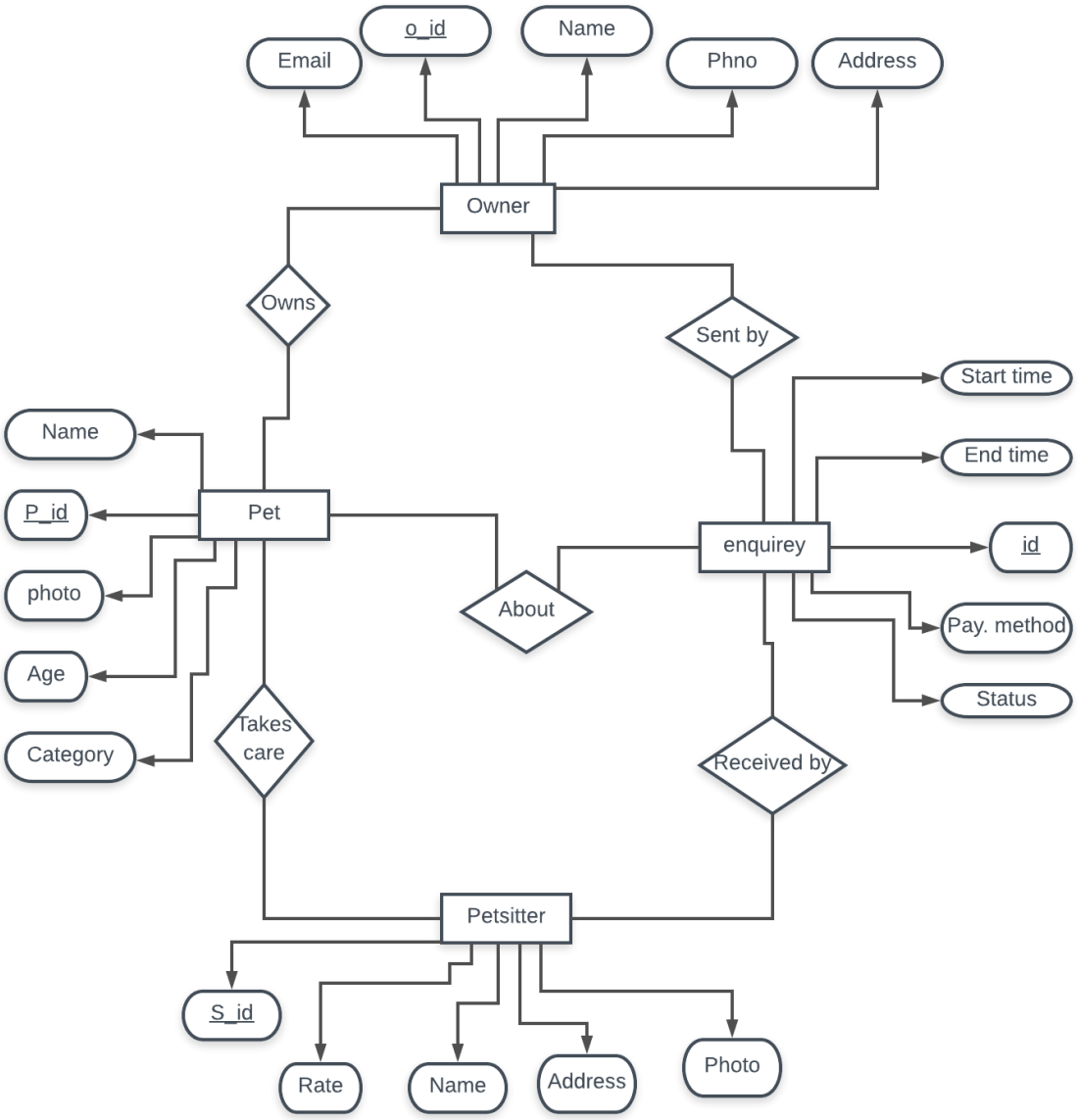
Security Requirements.

- After entering the password and user id the user can access his

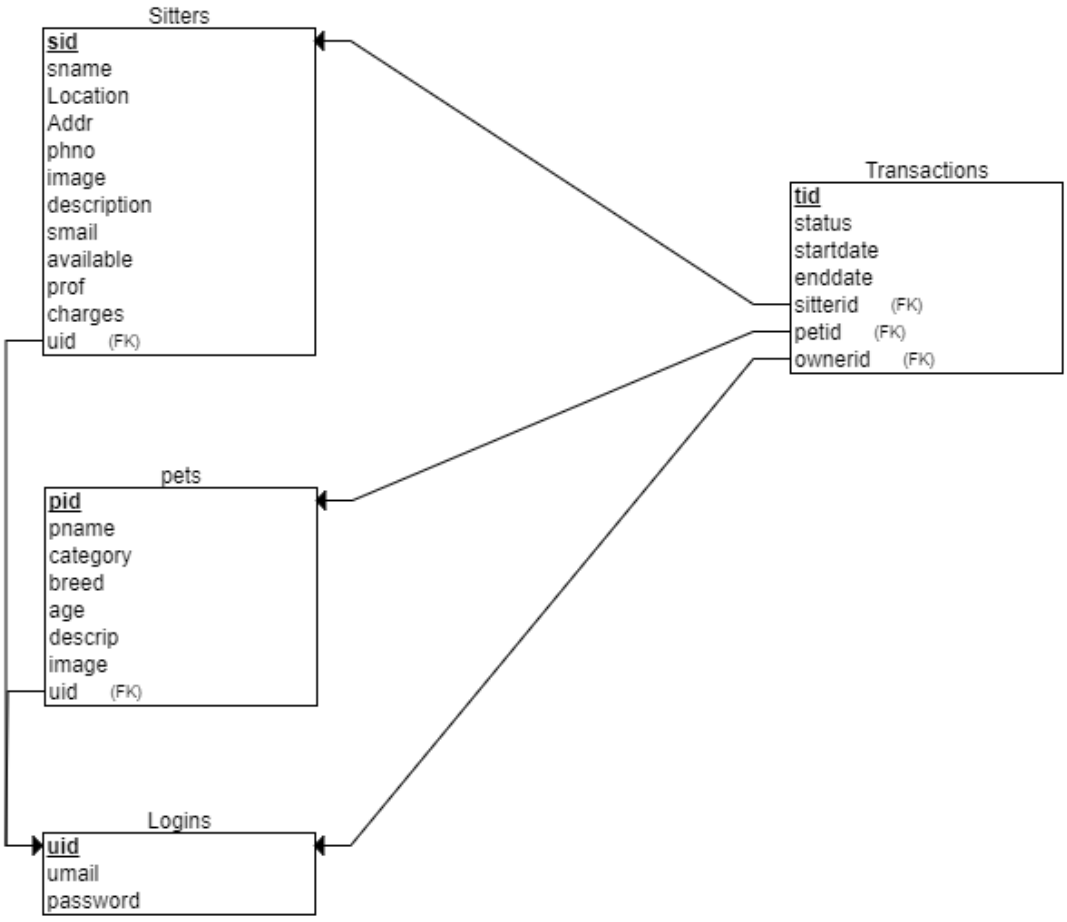
profile.
- The details of user must be safe and secure.
- Sharing of details

4)System Design:

4.1)E-R Model:



4.2)Schema Description:



4.3)Table Description:

- Sitters
- Pets
- Logins
- Transactions

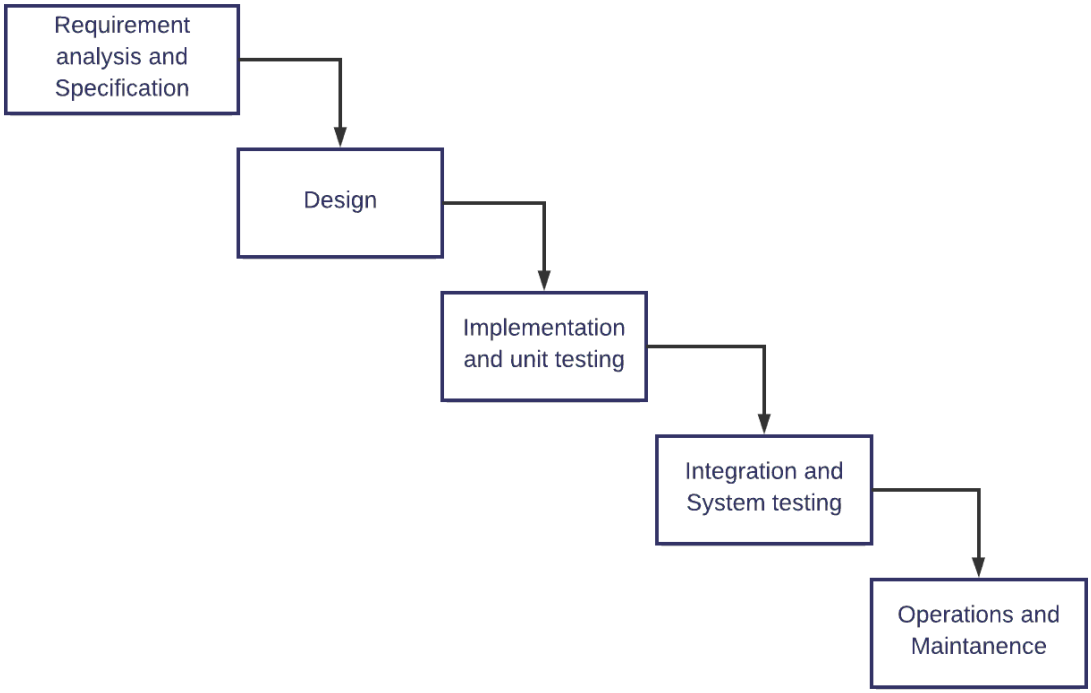
mysql> desc logins;

```
+----------+-------------+------+-----+---------+----------------
+
| Field    | Type        | Null | Key | Default | Extra
|
+----------+-------------+------+-----+---------+----------------
+
| uid      | int(5)      | NO   | PRI | NULL    | auto_increment
|
| umail    | varchar(20) | YES  |     | NULL    |
|
| password | varchar(20) | YES  |     | NULL    |
|
+----------+-------------+------+-----+---------+----------------
+
3 rows in set (0.00 sec)

mysql> desc pets;
+----------+-------------+------+-----+---------+----------------
+
| Field    | Type        | Null | Key | Default | Extra
|
+----------+-------------+------+-----+---------+----------------
+
| pid      | int(5)      | NO   | PRI | NULL    | auto_increment
|
| pname    | varchar(20) | YES  |     | NULL    |
|
| category | varchar(10) | YES  |     | NULL    |
|
| breed    | varchar(20) | YES  |     | NULL    |
|
| age      | int(11)     | YES  |     | NULL    |
|
| descrip  | varchar(45) | YES  |     | NULL    |
|
| image    | varchar(20) | YES  |     | NULL    |
|
| uid      | int(5)      | YES  | MUL | NULL    |
|
+----------+-------------+------+-----+---------+---------------+
8 rows in set (0.00 sec)



mysql> desc sitters;
+-------------+-------------+------+-----+---------+-----------
| Field       | Type        | Null | Key | Default | Extra
```

```
|
+-------------+-------------+------+-----+---------+-----------
| sid         | int(5)      | NO   | PRI | NULL    |
auto_increment |
| sname       | varchar(20) | YES  |     | NULL    |
|
| Location    | varchar(10) | YES  |     | NULL    |
|
| Addr        | varchar(30) | YES  |     | NULL    |
|
| phno        | varchar(11) | YES  |     | NULL    |
|
| image       | varchar(10) | YES  |     | NULL    |
|
| description | varchar(50) | YES  |     | NULL    |
|
| smail       | varchar(20) | YES  |     | NULL    |
|
| uid         | int(5)      | YES  | MUL | NULL    |
|
| available   | varchar(1)  | YES  |     | Y       |
|
| prof        | varchar(10) | YES  |     | Owner   |
|
| charges     | int(5)      | YES  |     | NULL    |
|
+-------------+-------------+------+-----+---------+-------------
12 rows in set (0.00 sec)

mysql> desc transactions;
+-----------+-------------+------+-----+---------+-------------+
| Field     | Type        | Null | Key | Default | Extra
|
+-----------+-------------+------+-----+---------+-------------+
| ownerid   | int(5)      | YES  | MUL | NULL    |
|
| sitterid  | int(5)      | YES  | MUL | NULL    |
|
| petid     | int(5)      | YES  | MUL | NULL    |
|
| status    | varchar(10) | YES  |     | unknown |
|
| tid       | int(5)      | NO   | PRI | NULL    | auto_increment
|
| startdate | varchar(12) | YES  |     | NULL    |
|
| enddate   | varchar(12) | YES  |     | NULL    |
|
| totaldue  | int(5)      | YES  |     | NULL    |
```

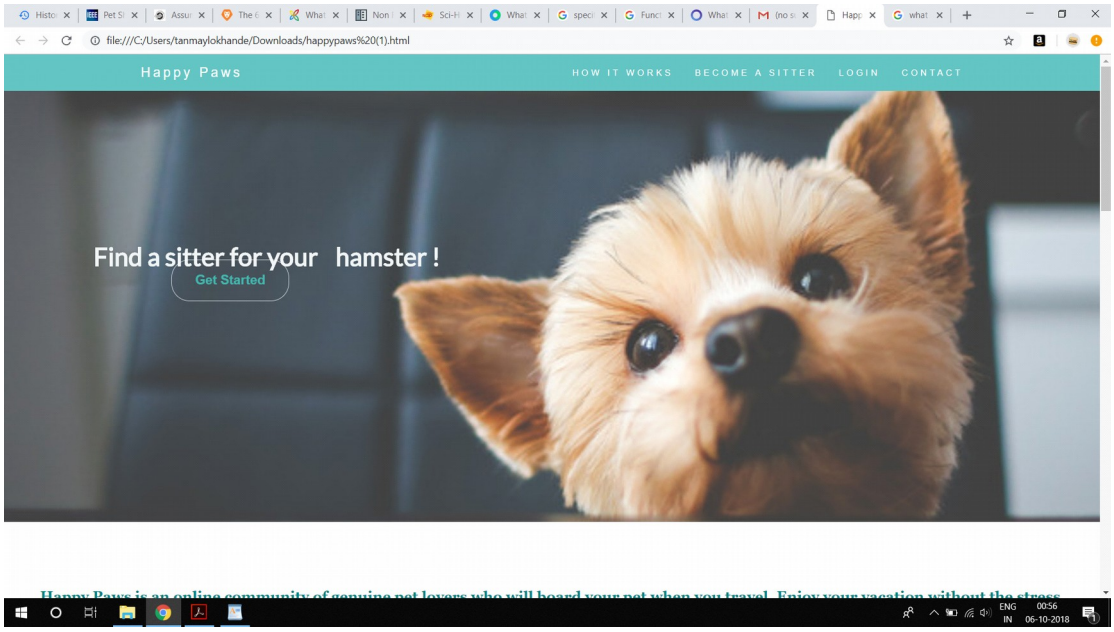
```
|
+-----------+-------------+------+-----+---------+-------------+
8 rows in set (0.00 sec)
```

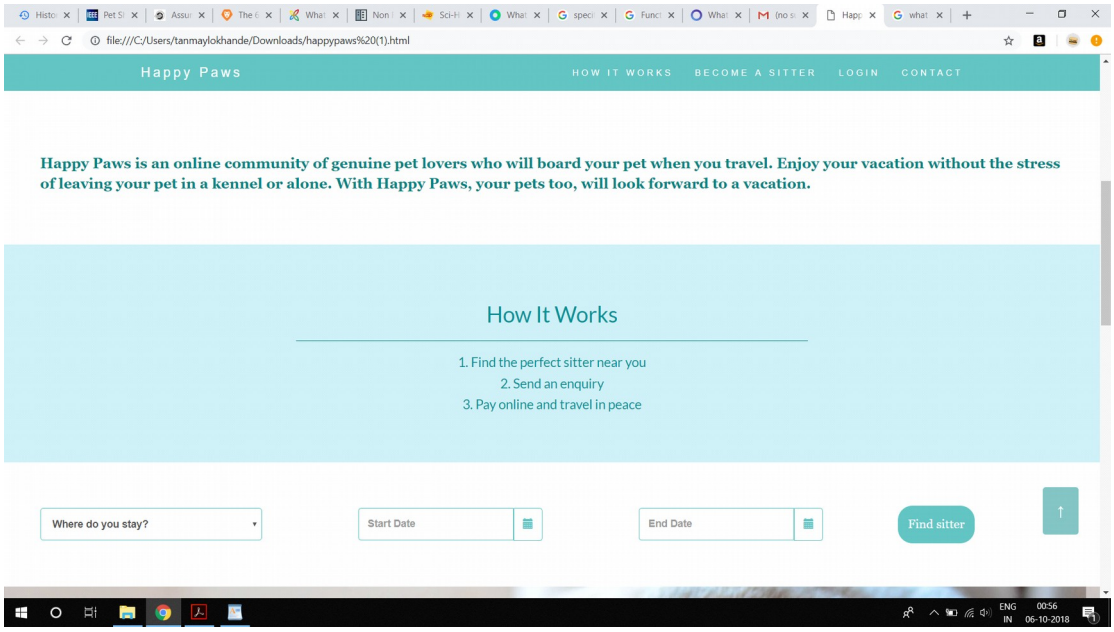
4.4)System Flow Chart:

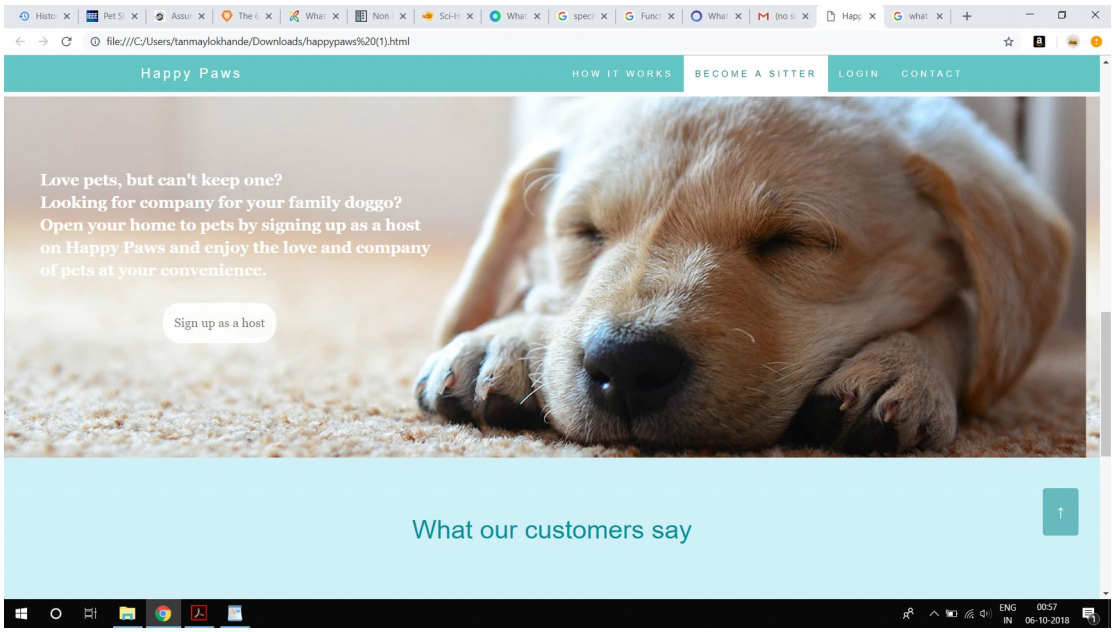


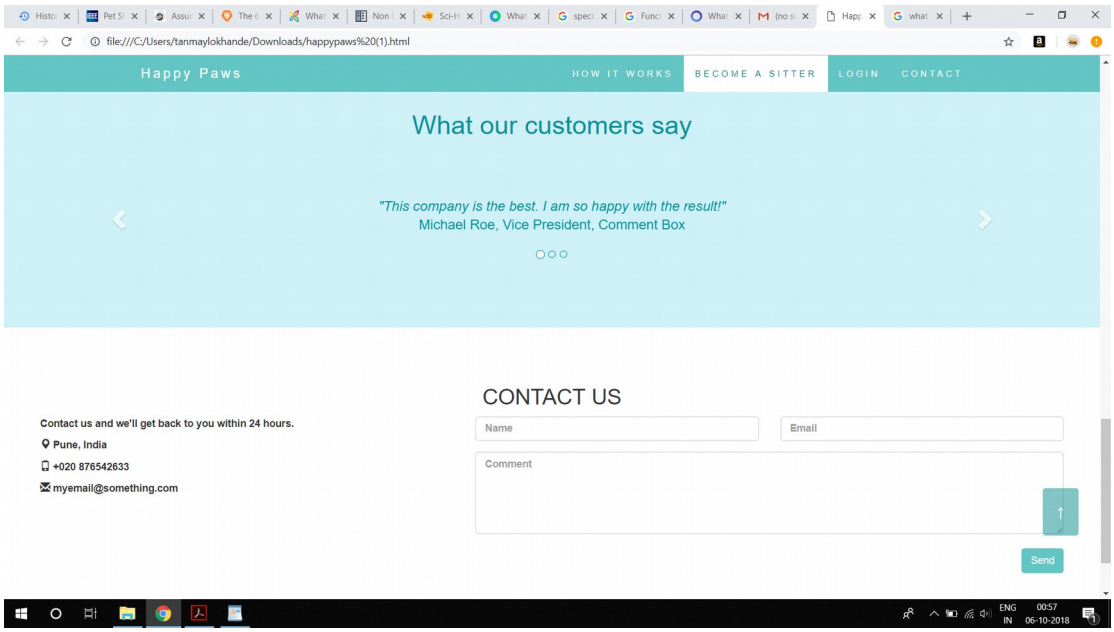
4.5)User Interface Design:

Home Page:

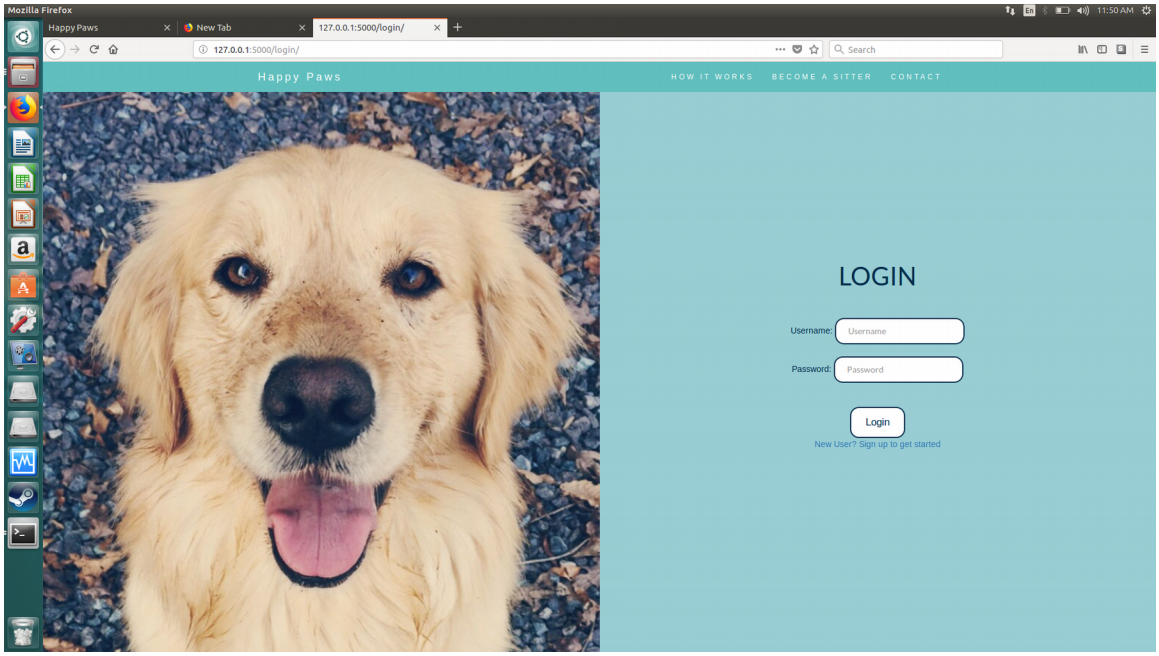


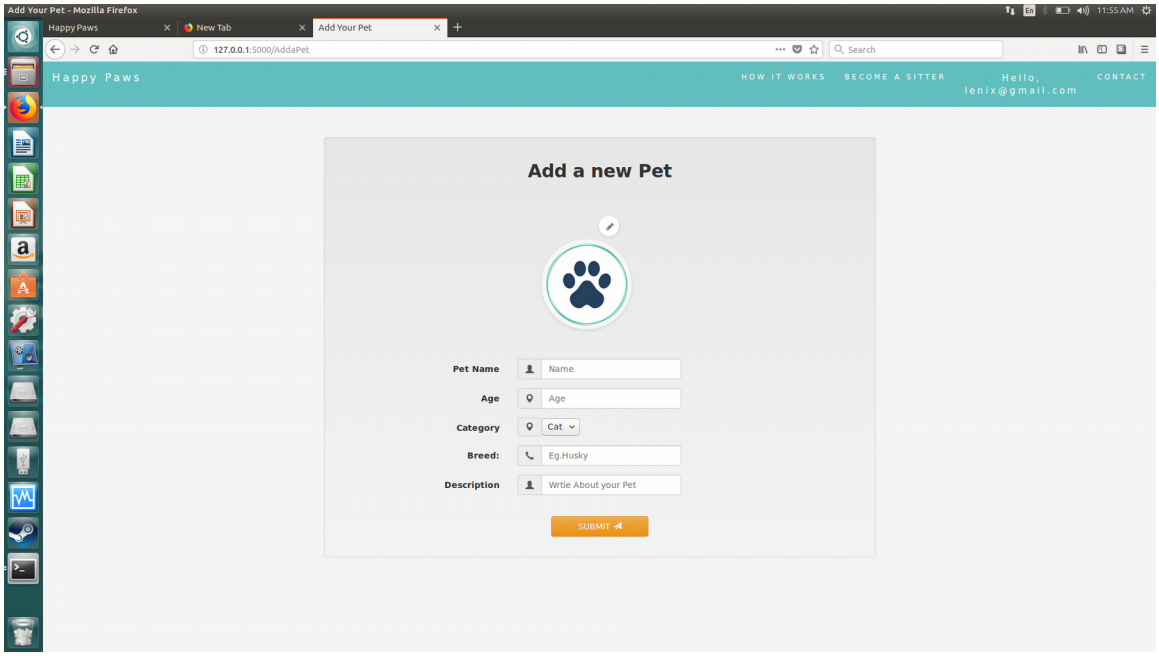


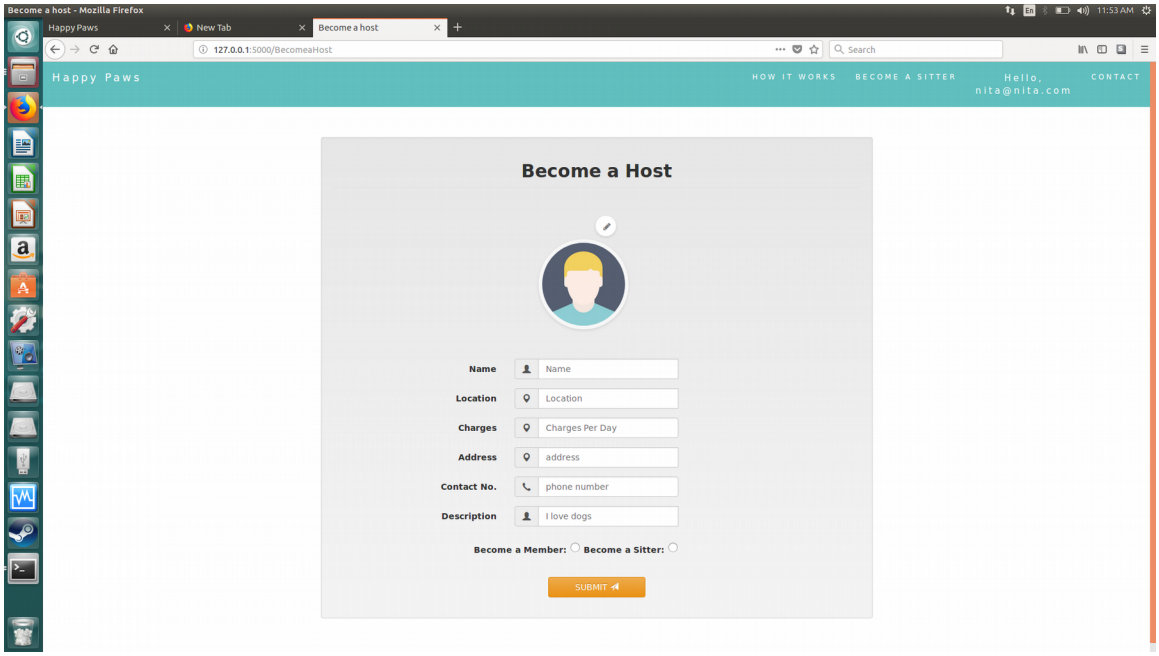

file:///C:/Users/tanmaylokhande/Downloads/happypaws%20(1).html
Happy Paws
HOW IT WORKS
BECOME A SITTER
LOGIN
CONTACT
Love pets, but can't keep one?
Looking for company for your family doggo?
Open your home to pets by signing up as a host
on Happy Paws and enjoy the love and company
of pets at your convenience.
Sign up as a host
What our customers say
ENG
IN
00:57
06-10-2018

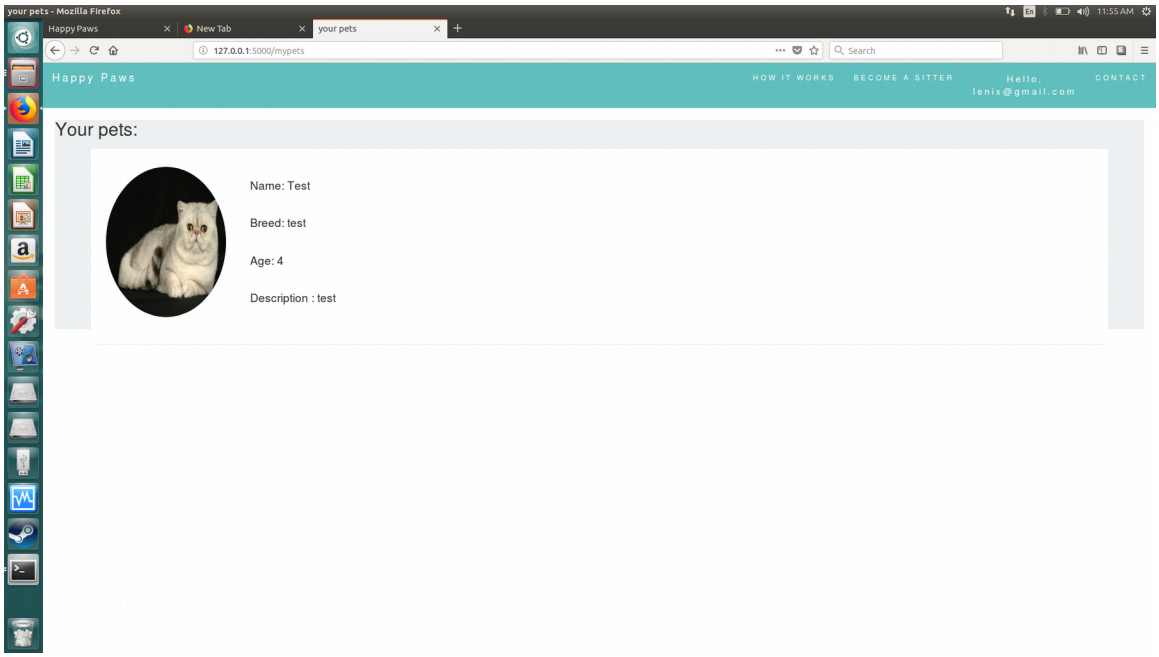

file:///C:/Users/tanmaylokhande/Downloads/happypaws%20(1).html
Happy Paws
HOW IT WORKS
BECOME A SITTER
LOGIN
CONTACT
What our customers say
"This company is the best. I am so happy with the result!"
Michael Roe, Vice President, Comment Box
Contact us and we'll get back to you within 24 hours.
Pune, India
+020 876542633
myemail@something.com
CONTACT US
Name
Email
Comment
Send
ENG
IN
00:57
06-10-2018

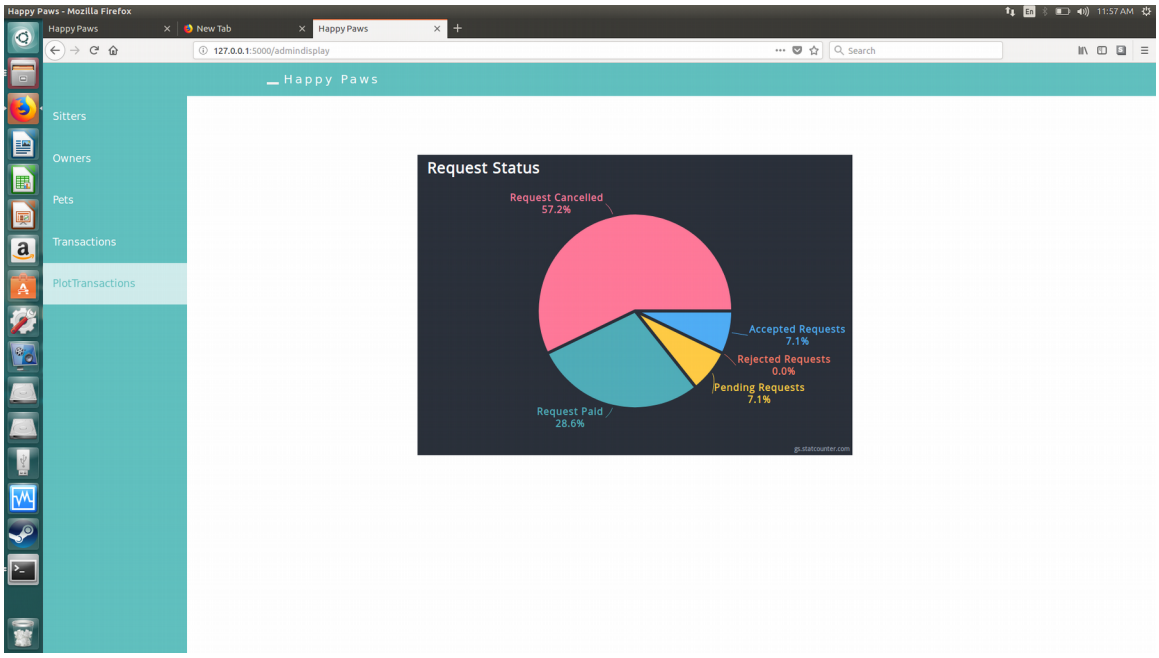
Login:

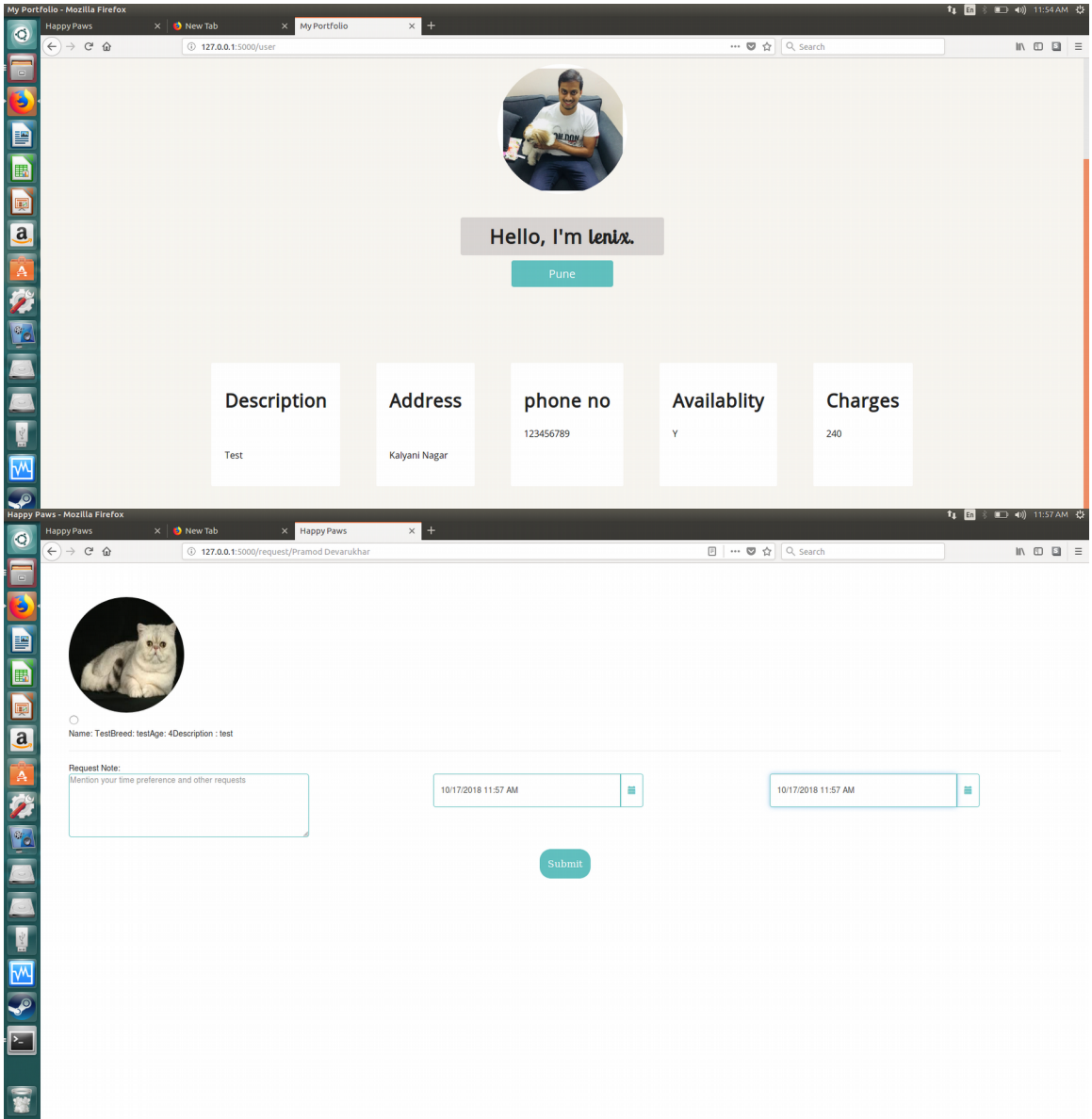

Mozilla Firefox
Happy Paws
New Tab
127.0.0.1:5000/login/
127.0.0.1:5000/login/
Search
Happy Paws
HOW IT WORKS
BECOME A SITTER
CONTACT
LOGIN
Username:
Username
Password:
Password
Login
New User? Sign up to get started

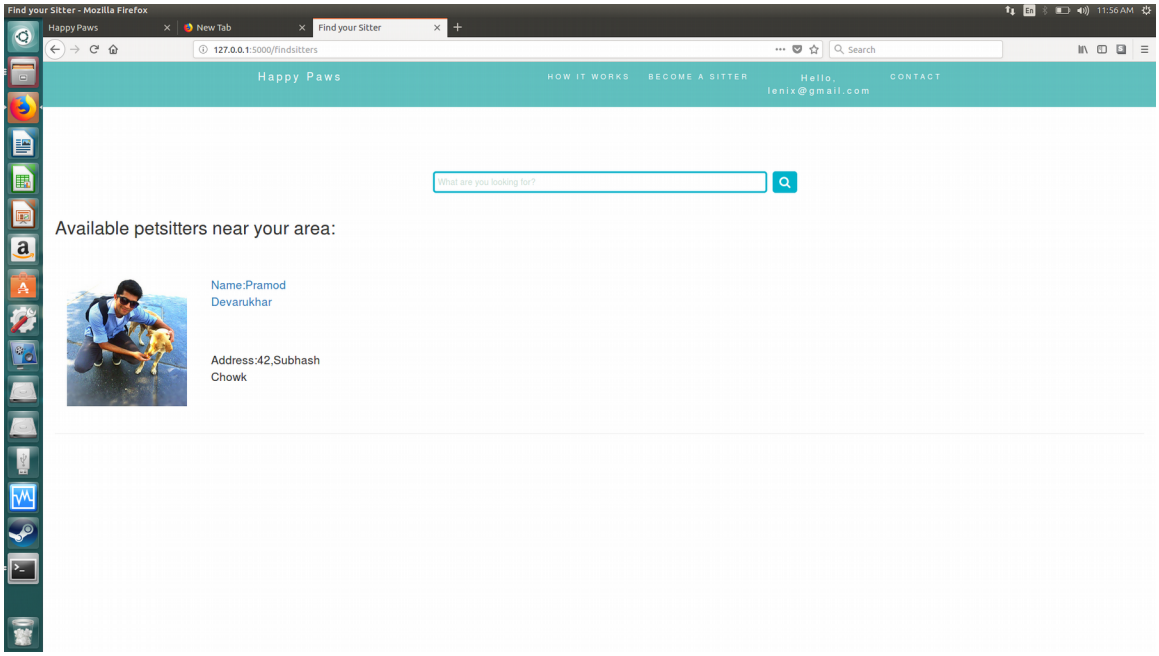

Add Your Pet - Mozilla Firefox
Happy Paws
New Tab
Add Your Pet
127.0.0.1:5000/AddaPet
Search
Happy Paws
HOW IT WORKS
BECOME A SITTER
Hello,
lenix@gmail.com
CONTACT
Add a new Pet
Pet Name
Name
Age
Age
Category
Cat
Breed:
Eg.Husky
Description
Wrtie About your Pet
SUBMIT

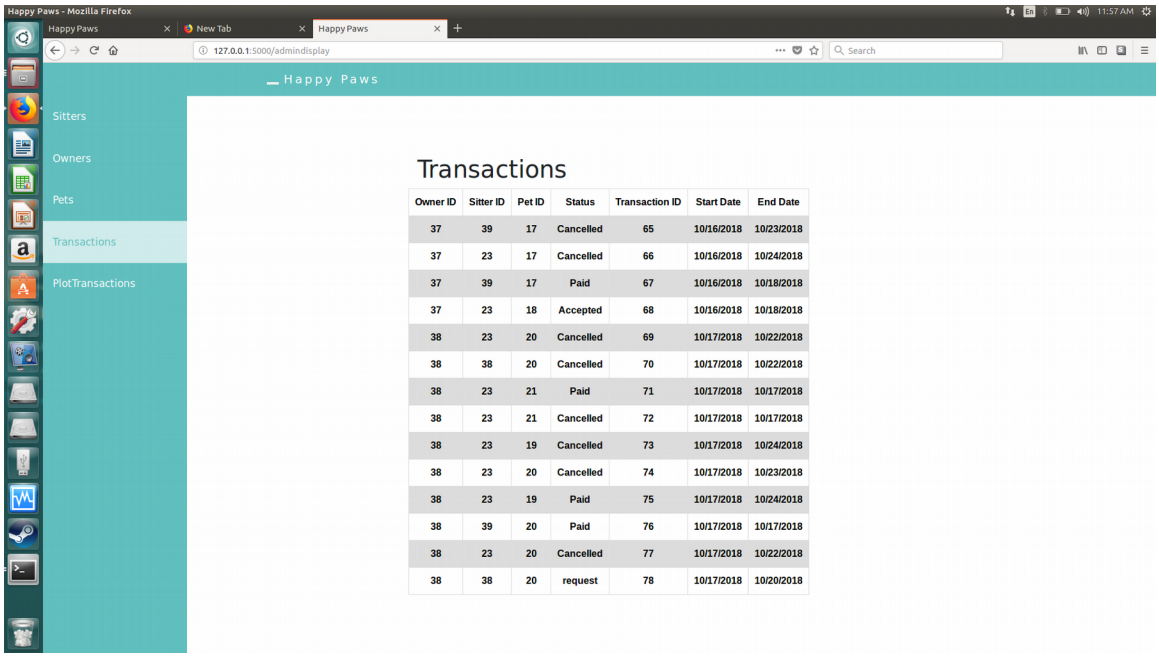

Become a host - Mozilla Firefox
Happy Paws
New Tab
Become a host
127.0.0.1:5000/BecomeaHost
Search
Happy Paws
HOW IT WORKS
BECOME A SITTER
Hello,
nita@nita.com
CONTACT
Become a Host
Name
Name
Location
Location
Charges
Charges Per Day
Address
address
Contact No.
phone number
Description
I love dogs
Become a Member:
Become a Sitter:
SUBMIT


your pets - Mozilla Firefox
Happy Paws
New Tab
your pets
127.0.0.1:5000/mypets
Search
Happy Paws
HOW IT WORKS
BECOME A SITTER
Hello,
lenix@gmail.com
CONTACT
Your pets:
Name: Test
Breed: test
Age: 4
Description : test


Happy Paws - Mozilla Firefox
Happy Paws
New Tab
Happy Paws
127.0.0.1:5000/admindisplay
Search
Happy Paws
Sitters
Owners
Pets
Transactions
PlotTransactions
Request Status
Request Cancelled
57.2%
Accepted Requests
7.1%
Rejected Requests
0.0%
Pending Requests
7.1%
Request Paid
28.6%
gs.statcounter.com


My Portfolio - Mozilla Firefox
Happy Paws
New Tab
My Portfolio
127.0.0.1:5000/user
Search
Hello, I'm lenix.
Pune
Description
Test
Address
Kalyani Nagar
phone no
123456789
Availablity
Y
Charges
240
Happy Paws - Mozilla Firefox
Happy Paws
New Tab
Happy Paws
127.0.0.1:5000/request/Pramod Devarukhar
Search
Name: TestBreed: testAge: 4Description : test
Request Note:
Mention your time preference and other requests
10/17/2018 11:57 AM
10/17/2018 11:57 AM
Submit





Owner ID	Sitter ID	Pet ID	Status	Transaction ID	Start Date	End Date
37	39	17	Cancelled	65	10/16/2018	10/23/2018
37	23	17	Cancelled	66	10/16/2018	10/24/2018
37	39	17	Paid	67	10/16/2018	10/18/2018
37	23	18	Accepted	68	10/16/2018	10/18/2018
38	23	20	Cancelled	69	10/17/2018	10/22/2018
38	38	20	Cancelled	70	10/17/2018	10/22/2018
38	23	21	Paid	71	10/17/2018	10/17/2018
38	23	21	Cancelled	72	10/17/2018	10/17/2018
38	23	19	Cancelled	73	10/17/2018	10/24/2018
38	23	20	Cancelled	74	10/17/2018	10/23/2018
38	23	19	Paid	75	10/17/2018	10/24/2018
38	39	20	Paid	76	10/17/2018	10/17/2018
38	23	20	Cancelled	77	10/17/2018	10/22/2018
38	38	20	request	78	10/17/2018	10/20/2018

5)System Implementation:

5.1)Hardware And Software Platform Description:

Hardware Description:

1. RAM : 2GB (Recommended).
2. Processor : Pentium-4 onwards.
3. HDD Space : 20GB or more.

Software Description:

1. Operating System : Linux, Windows.
2. Internet Browser : Mozilla Firefox, Google Chrome.
3. Front End : HTML5, CSS, JAVASCRIPT, JSP, Servlet.
4. Front End Tool : Sublime Text 3.
5. Back End : Flask

5.2)Tools Used:

Front-End:

Bootstrap(3.3.7):

Bootstrap is a free and open-source front-end framework for designing websites and web applications. It contains HTML- and CSS-based design templates for typography, forms, buttons, navigation and other interface components, as well as optional JavaScript extensions. Unlike many earlier web frameworks, it concerns itself with front-end development only.

Bootstrap is modular and consists of a series of Less stylesheets that implement the various components of the toolkit. These stylesheets are generally compiled into a bundle and included in web pages, but individual components can be included or removed. Bootstrap provides a number of configuration variables that control things such as color and padding of various components.

Bootstrap 3 supports the latest versions of the Google Chrome, Firefox, Internet Explorer, Opera, and Safari (except on Windows). It additionally supports back to IE8 and the latest Firefox Extended Support Release.

Since 2.0, Bootstrap supports responsive web design. This means the layout of web pages adjusts dynamically, taking into account the characteristics of the device used (desktop, tablet, mobile phone).

Starting with version 3.0, Bootstrap adopted a mobile-first design philosophy, emphasizing responsive design by default.

Sublime Text 3:

Sublime Text is a proprietary cross-platform source code editor with a Python application programming interface (API). It natively supports many programming languages and markup languages, and functions can be added by users with plugins, typically community-built and maintained under free-software licenses.

Compared to the last beta, 3.0 brings a refreshed UI theme, new color schemes, and a new icon. Some of the other highlights are big syntax highlighting improvements, touch input support on Windows, Touch Bar support on macOS, and apt/yum/pacman repositories for Linux.

Certainly there are big features that 3.0 has: Goto Definition, a new syntax highlighting engine, a new UI, and an expanded API. However the difference is frequently felt in the hundreds of improvements that don't warrant being featured on their own: spell checking works better, automatic indentation does the right thing more often, word wrapping handles source code better, high DPI screens are properly supported, and Goto Anything is smarter. There's too much to list, but combined the difference is night and day.

Back-End:

Flask-0.11.1:

Flask is a micro web framework written in Python. It is classified as a microframework because it does not require particular tools or libraries.[3] It has no database abstraction layer, form validation, or any other components where pre-existing third-party libraries provide common functions. However, Flask supports extensions that can add application features as if they were implemented in Flask itself. Extensions exist for object-relational mappers, form validation, upload handling, various open authentication technologies and several common framework related tools. Extensions are updated far more regularly than the core Flask program.

Features

1)Contains development server and debugger

2)Integrated support for unit testing

3)RESTful request dispatching

4)Uses Jinja2 templating

5)Support for secure cookies (client side sessions)

6)100% WSGI 1.0 compliant

7)Unicode-based

8)Extensive documentation

9)Google App Engine compatibility

10)Extensions available to enhance features desired

Mysql 5.7.23:

MySQL is an open-source relational database management system (RDBMS). Its name is a combination of "My", the name of co-founder Michael Widenius's daughter, and "SQL", the abbreviation for Structured Query Language. The MySQL development project has made its source code available under the terms of the GNU General Public License, as well as under a variety of proprietary agreements. MySQL was owned and sponsored by a single for-profit firm, the Swedish company MySQL AB, now owned by Oracle Corporation. For proprietary use, several paid editions are available, and offer additional functionality.

features:

1)Written in C and C++.

2)Tested with a broad range of different compilers.

3)Works on many different platforms.

4)For portability, uses CMake in MySQL 5.5 and up. Previous series use GNU Automake, Autoconf, and Libtool.

5)Tested with Purify (a commercial memory leakage detector) as well as with Valgrind, a GPL tool .

6)Uses multi-layered server design with independent modules.

7)Designed to be fully multithreaded using kernel threads, to easily use multiple CPUs if they are available.

8)Provides transactional and nontransactional storage engines.

9)Uses very fast B-tree disk tables (MyISAM) with index compression.

10)Designed to make it relatively easy to add other storage engines. This is useful if you want to provide an SQL interface for an in-house database.

5.3)Future Work/Extension:

This system will improve the management effectiveness of there pets.In addition, this system enables the user to view all the schedule of their pet and can make transaction that able to generate auto calculation.

5.4)Conclusion:

Through proper design and development of the system, PSP is able to generate automatically list of the services plus the payment report. PMS will helps to overcomes most of the problems encountered in the manual system. In addition, the software enables to manage information that based on user-friendly feature with effective data control. This system approach allows users to access data in a flexible manner.