

ONLINE PET SHOP

**A PROJECT REPORT SUBMITTED IN PARTIAL FULFILMENT
OF REQUIREMENT
FOR THE AWARD OF THE DEGREE**

MASTER OF COMPUTER APPLICATIONS (MCA)

OF

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

BY

GREESHMA REMANAN

Reg No: 21PMC126



**MARIAN COLLEGE
KUTTIKKANAM**

(AUTONOMOUS)

MAKING COMPLETE

Marian College Kuttikkanam Autonomous

Peermade, Kerala – 685 531

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Under the guidance of

Mrs. KOCHUMOL ABRAHAM
Assistant Professor

PG Department of Computer Applications
Marian College Kuttikkanam Autonomous



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PG DEPARTMENT OF COMPUTER APPLICATIONS

Marian College Kuttikkanam Autonomous

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

KUTTIKKANAM – 685 531, KERALA.

CERTIFICATE

This is to certify that the project work entitled

ONLINE PET SHOP

is a bonafide record of work done by

GREESHMA REMANAN

Reg. No.21PMC126

In partial fulfillment of the requirements for the award of Degree of

MASTER OF COMPUTER APPLICATIONS [MCA]

During the academic year 2021-2022

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Finally I express my deep appreciation to all my friends and family members for the moral support and encouragement they have given to complete this project work successfully.

GREESHMA REMANAN

ABSTRACT OF ONLINE PET SHOP

The project titled “ONLINE PETSHOP” is a web-based application developed to book all pets and buy accessories online. The proposed application is similar to a shopping site. The application acts as an informative site as well as pet and pet-related product shopping. The customer can view the various pets and their features and book them. Customers can also look for various accessories related to their pets like dogs, cats, etc and can order and done payments. Hence providing a complete pet Shoppe with related information. Mainly three users can access Admin, Seller, and Public Users. Admin is the owner of the shop and she/he inputs the pet accessories details etc. In this Application, the seller can add the pets, But the seller can add the pet only if it is approved by the admin. Whereas users can view and order the pet and pet accessories. In this project Html, Css taken as the front end and Php and MySql taken as the back end

OBJECTIVES

The objective of the proposed System is following:

- The proposed system is a web application.
- Customers can check the availability of pets and accessories then book pets and purchase pet accessories online.
- This application has reduced the difficulty in keeping the records and simplified the work.

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1. INTRODUCTION

1.1 OVERVIEW OF THE PROJECT

The project titled “ONLINE PETSHOP” is a web-based application developed to book all pets and buy accessories online. The proposed application is similar to a shopping site. The application acts as an informative site as well as pet and pet-related product shopping. The customer can view the various pets and their features and book them. Customers can also look for various accessories related to their pets like dogs, cats, etc and can order and done payments. Hence providing a complete pet Shoppe with related information. Mainly three users can access Admin, Seller, and Public Users. Admin is the owner of the shop and she/he inputs the pet accessories details etc. In this Application, the seller can add the pets, But the seller can add the pet only if it is approved by the admin. Whereas users can view and order the pet and pet accessories.

2. SYSTEM STUDY

2.1 EXISTING SYSTEM

In the first semester, I made a website where you can book pets online. The project name was Online Pet Shop. There were two types of users in this project, admin and customer. This system allows the user to check the availability and other details of the pets. Admin is the owner of the shop and she/he inputs the pet details. Admin can view the user and booking details. After the successful registration, the user can log in to the system using the user name and password, then the user can view the pet details and book the pet.

2.2 PROPOSED SYSTEM

The proposed system aims to develop a system of improved facilities. The proposed system enables online booking of pets as well as the ordering of pet accessories. In this project, there are three users. Admin, Seller, and Customer. newly included by the seller. Admin is the owner of the shop and she/he inputs the pet accessories details etc. In this application, the seller can add the pets, But the seller can add the pet only if it is approved by the admin. Whereas customers can view and book the pet. The customer can also look for various accessories related to their pets like dogs, cats, etc. And can also buy from this application. Admin can view the seller and customer details. The proposed application is similar to a shopping site.

2.3 TECHNOLOGIES FOR SYSTEM STUDY

The technologies used to develop this system are:

- Front End : HTML,CSS
- Development tool : PHP
- Back End : MySQL
- Web Server : WAMP Server
- Operating System : Windows OS
- Development Platform : Visual Studio code

3.SYSTEM ANALYSIS

.1 FEASIBILITY STUDIES

Feasibility is an important phase in the software development process it enables the developers to have an assessment of the product being developed. It refers to the feasibility study of the product in terms of outcomes of the product, operational required for implementing it. Feasibility study should be performed on the basis of various criteria and parameters.

Feasibility study includes consideration of all the possible ways to provide a solution to the given problem. The proposed solution should satisfy all the user requirements and should be flexible enough so that future changes can be easily done based on the future upcoming requirements

Economical Feasibility

This is a very important aspect to be considered while developing a project. I decided the technology based on minimum possible cost factor. All hardware and software cost has to be borne by the organization. Overall we have estimated that the benefits the organization is going to receive from the proposed system will surely overcome the initial costs and the later on running cost for system.

Technical Feasibility

The project can be said to be technically feasible because there will be less number of errors actually no errors because the whole project will be divided into two modules and so the errors if found, can be debugged very well and all the bugs can be removed. Since the system uses database to implement, it is technically practical for all operators. The system can be implemented on the servers that the department currently has access too. The system requires no special expertise to operate, although some expertise will be required to code it.

Operational Feasibility

No doubt the proposed system is fully GUI based that is very user friendly and all inputs to be taken all self-explanatory even to a layman. Besides, a proper training has been conducted to let know the essence of the system to the users so that they feel comfortable with new system. As far our study is concerned the clients are comfortable and happy as the system has cut down their loads and doing.

.2 REQUIREMENT SPECIFICATION

3.2.1 HARDWARE REQUIREMENTS

- ☐ Processor : Pentium IV or above
- ☐ Cache Memory : 512KB
- ☐ RAM : 512MB or more
- ☐ Hard disk drive : 80GB or more
- ☐ Display Type : Color Monitor
- ☐ Keyboard : Enhanced 104 Standard
- ☐ Mouse : PS/2 2 Button

3.2.1 SOFTWARE REQUIRMENTS

- ☐ Operating System : Windows Os
- ☐ Browser : Google Chrome
- ☐ Back End : MYSQL
- ☐ Server : WAMP Server

3.3 REQUIREMENT ANALYSIS

Requirements Analysis is the process of defining the expectations of the users for an application that is to be built or modified. It involves all the tasks that are conducted to identify the needs of different stakeholders.

1. Admin

Admin is the owner of the shop. He/she inputs the pet accessories and they can be updated and deleted. Admin can update and delete the pet stock. Admin is responsible for approving seller registration requests. Admin can view the details of booking and also admin can view the seller and customer details.

2. Seller

In this website, seller can add the pets only if it is approved by the admin. When the seller registers, it will be an approval request to the admin and the admin will only approve the seller after checking the seller's details.

3. Customer or Public User

The user can view various categories of pets and accessories then book the pets and order the accessories through this website. The user can also view their profile and update and delete their profile. After booking the user can view their booking details.

4.SYSTEM DESIGN

4.1 MODULE SPECIFICATION

➤ *PET CATEGORIES MANAGEMENT*

Pet categories are added by the seller and managed also by the seller and admin. Pet categories contain Dogs, Cats, Birds, Rabbits. Customers can view the pet according to their category.

➤ *PET MANAGEMENT*

All the pets are added by the seller and he/she can update the stock, amount, and other details. Also, admin can update the pets details. Admin has the authority to delete the pet from the pet list. Customers can view all pets that are available in the shop.

➤ *PET ACCESSORIES MANAGEMENT*

All the pet accessories are added by the admin and he/she can update the stock, amount, and other details. Admin has the authority to delete the pet accessories from the list. Customers can view all pet accessories that are available in the shop.

➤ *USER or CUSTOMER MANAGEMENT*

User can view the pets according to their categories but will have to log in to book them and also view accessories. If he/she is not a registered user, he/she will have to register himself on the website. Once logged in, customers or user can book the pets and add accessories of their choice to their cart and remove or pay as they wish. He/she can view their profile and update or delete it if needed.

➤ ***SELLER MANAGEMENT***

In this Application, the seller can add the pets, But the seller can add the pet only if it is approved by the admin. When the seller registers, it will be an approval request to the admin and the admin will only approve the seller after checking the seller request.

➤ ***SHOPPING CART MANAGEMENT***

In this module user or customers can add product to the shopping cart and can remove product from the shopping cart

➤ ***ORDER MANAGEMENT***

Registered users can book pets add pet accessories of their choice to their cart and remove or make payment as they wish also users can view the booking details. The booking details also can be viewed by the admin according per user .and admin can view all the orders.

➤ ***PAYMENT MODULE***

In this module user can make payment for the order by confirming the order. The user can done the payment by providing credit/debit card details.

4.2 INPUT DESIGN

The input design that used in this project are:

- ***Registration***

The customer or Public User and Seller module is responsible for filling this form. Customers and Seller enter his/her details through this form and it is then stored in a database and used further.

- ***Login***

The input which is used to login into the website by using valid username and password.

- ***Add Accessories***

Adding accessories details like accessories name, image, stock, price. Admin is responsible for filling this form.

- ***Add Pet***

Adding pet details like a pet name, image, stock, price, and description. The seller is responsible for filling this form.

- ***Booking and Accessories Order***

The user can book pet and buy accessories using input such as quantity.

- ***Payment***

Making payment using card number, card name, and cvv.

4.3 OUTPUT DESIGN

The output design that used in this project are:

- ***View User home and Seller Home***

After the successful registration Customer or user and Seller enters into their home page.

- ***View Pet Details***

Used by Customer, Seller and Admin. Admin and Seller can update pet details and admin can delete the pet details .

- ***View Accessories Details***

Used by Admin and Customer. Admin can update and delete the accessories details.

- ***View Cart***

Customers can see the product they have added to their cart.

- ***View Pet Booking and Accessories Order Details***

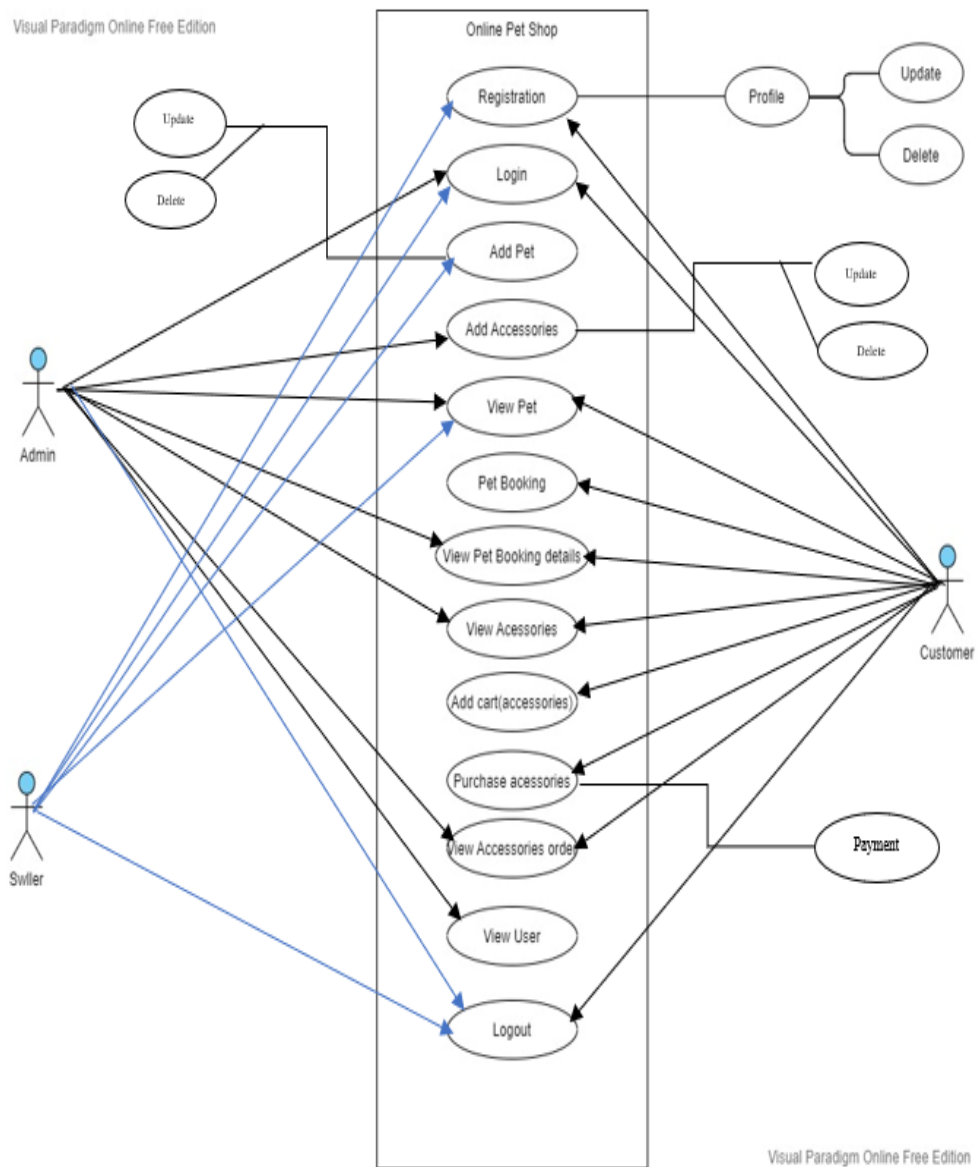
Customers can view their booking details . The booking details also can be viewed by the admin according per user.

- ***View Profile***

Both the seller and the customer use it. After successful registration, their details are stored in a database, and they can view their profile, and also update and delete their profile

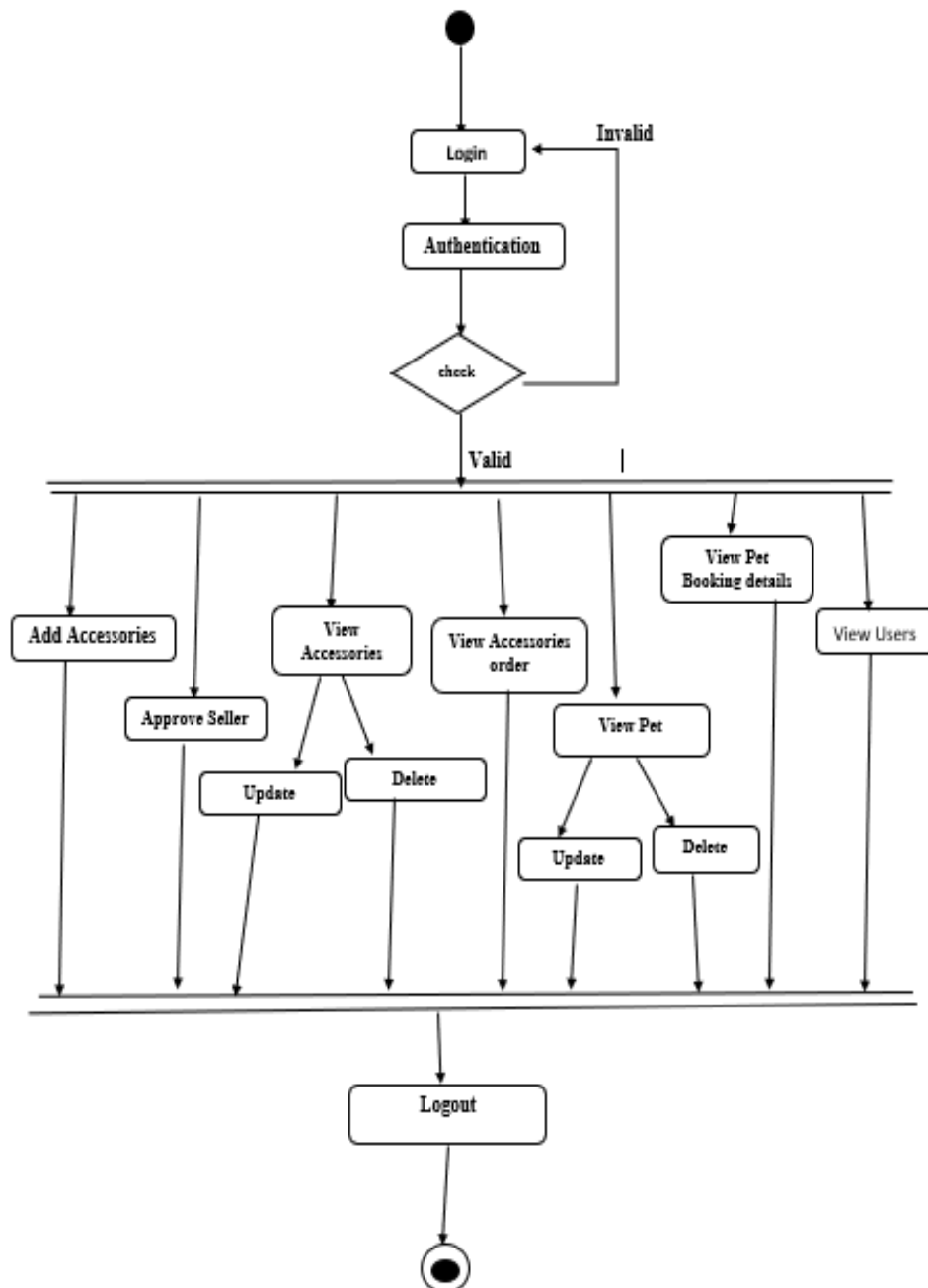
4.4 UML DIAGRAM

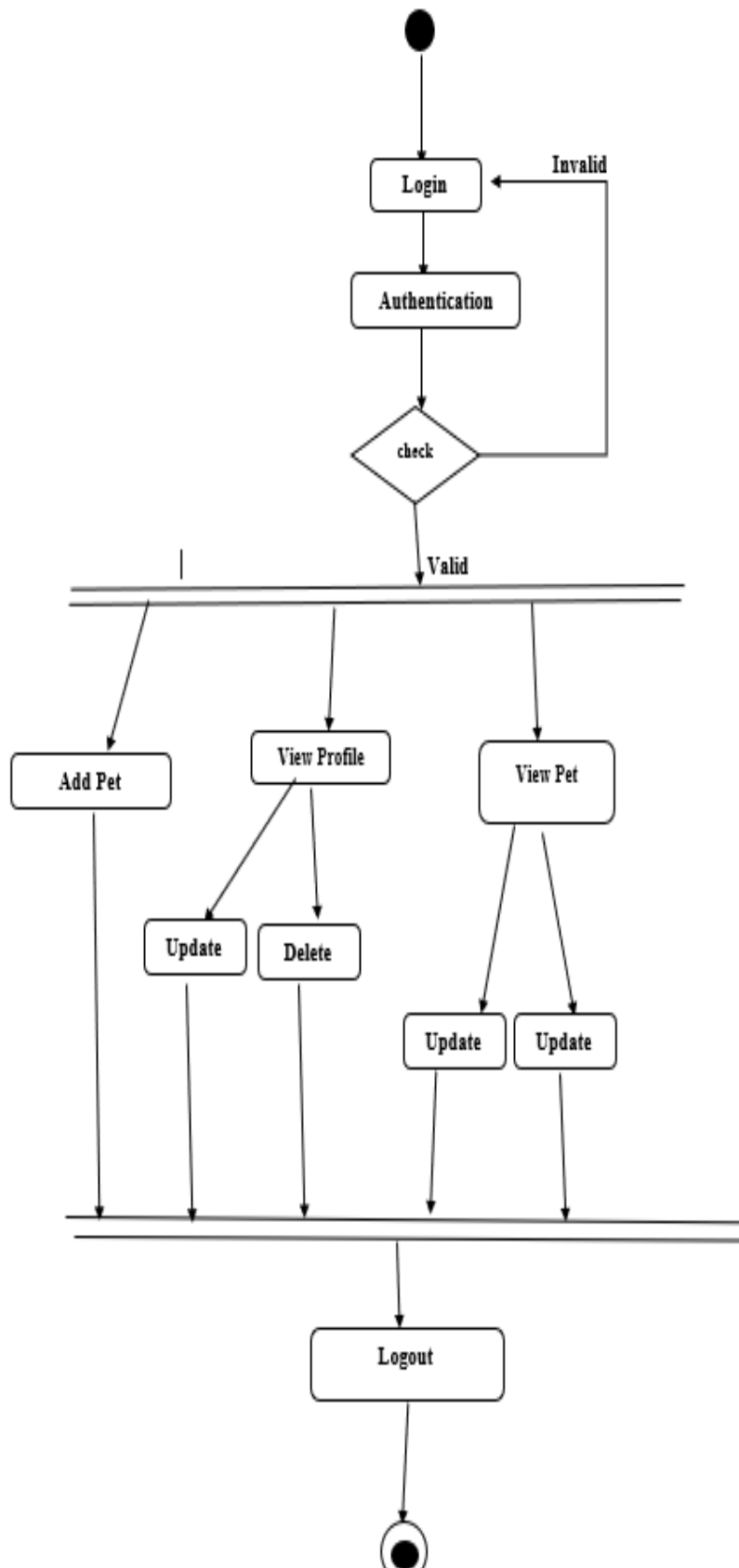
4.4.1 USECASE DIAGRAM

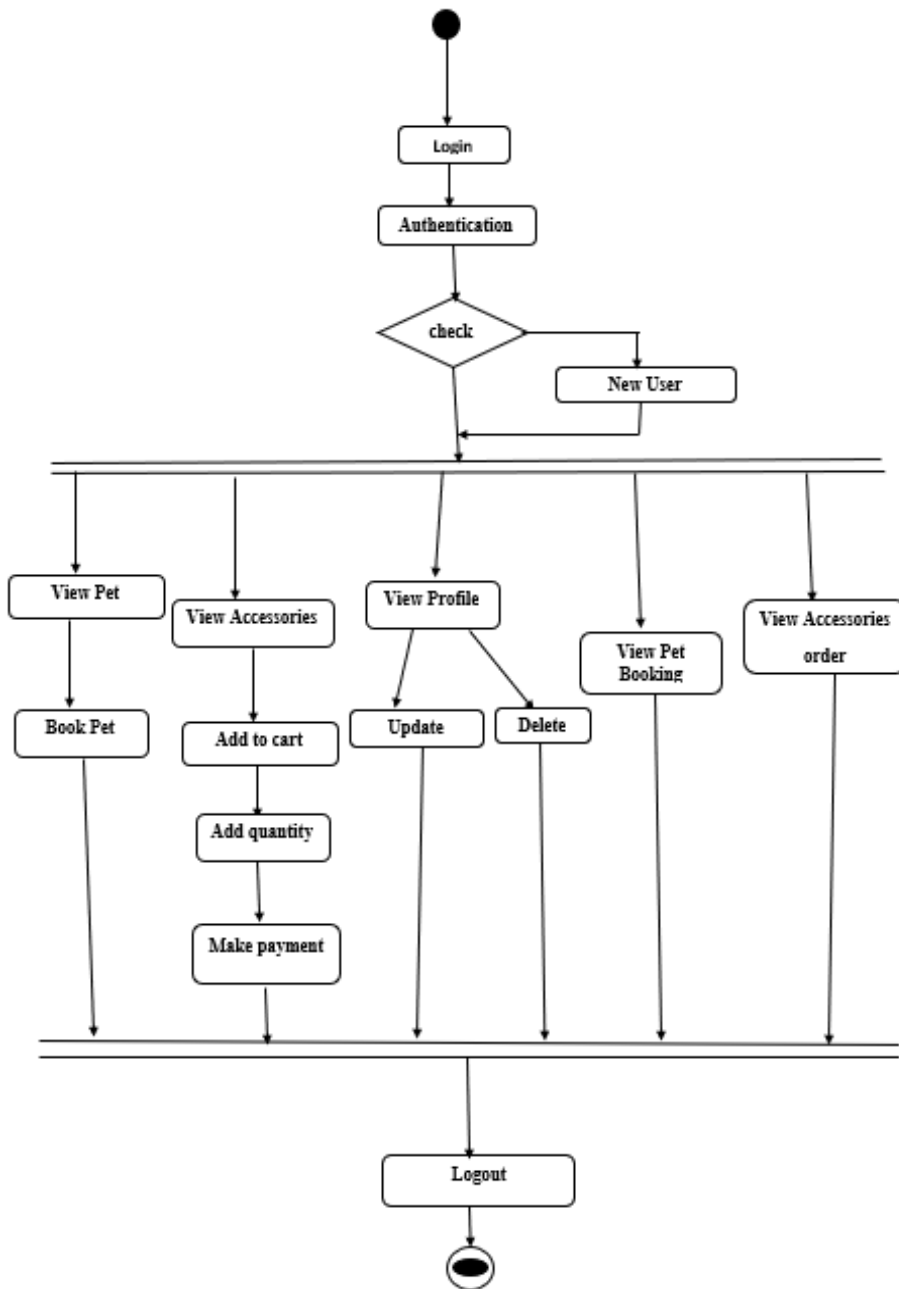


4.4.2 ACTIVITY DIAGRAM

ADMIN SIDE



SELLER SIDE

CUSTOMER SIDE

4.5 DATABASE DESIGN

TABLE 1: ADMIN

FIELD NAME	DATATYPE	SIZE	CONSTRAINT
adminname	Varchar	20	not null
passcode (password)	Varchar	20	not null

TABLE 2 : USER (CUSTOMER)

FIELD	DATATYPE	SIZE	CONSTRAINT
userid	Int	11	Primary Key
username	Varchar	100	not null
address	Varchar	30	not null
email	Varchar	10	not null
mobile	Varchar	10	not null
password	Varchar	10	not null

TABLE 3 : SELLER

FIELD	DATATYPE	SIZE	CONSTRAINT
sid (seller id)	Int	11	Primary Key
sellername	Varchar	30	not null
address	Varchar	100	not null
email	Varchar	30	not null
Mobile	Varchar	20	not null
aadhar	Varchar	20	not null
password	Varchar	10	not null
status	Int	11	not null

TABLE 4 : PET

FIELD	DATATYPE	SIZE	CONSTRAINT
pid (Pet_id)	Int	11	Primary Key
pname (pet name)	Varchar	30	not null
type (category)	Varchar	30	not null
desc (description)	Varchar	200	not null
stock	Varchar	200	not null
amount	Varchar	200	not null
image	Varchar	200	not null

TABLE 5 : ACCESSORIES

FIELD	DATATYPE	SIZE	CONSTRAINT
accid (accessories id)	Int	11	Primary Key
accesname (accessories name)	Varchar	30	not null
desc (description)	Varchar	100	not null
stocks	Varchar	200	not null
amount	Varchar	10	not null
image	Varchar	200	not null

TABLE 6: BOOK PET

FIELD	DATATYPE	SIZE	CONSTRAINT
bookid (Booking id)	Int	11	Primary Key
userid	Int	11	Foreign Key
pid (pet id)	Int	11	Foreign Key
amount	Varchar	200	not null
qty (quantity)	Varchar	200	not null
total	Varchar	200	not null

TABLE 7: BOOK ACCESSORIES

FIELD	DATATYPE	SIZE	CONSTRAINT
book_id	Int	11	Primary Key
accid (Accessories id)	Int	11	Foreign Key
user_id	Int	11	Foreign Key
amount	Int	11	not null
qty	Int	11	not null
total	Int	11	not null

TABLE 8: ADD CART

FIELD	DATATYPE	SIZE	CONSTRAINT
cartid	Int	11	Primary Key
user_id	Int	11	Foreign Key
accid (Accessories id)	Int	11	Foreign Key

5. SYSTEM TESTING

5.1 INTRODUCTION

Testing enhances the integrity of a system by identifying deviations in design and development of the expected end product. It should focus more on the error-prone areas of the application. This help in the prevention of errors in a system and builds confidence that the system will work without error after testing. It is the process of executing a program with the intent of finding an error. Testing also adds value to the product by conforming to the user requirements. Testing verifies that software deliverable conforms precisely and design phases.

5.2 TESTING

The overall strategy for testing “Online Pet Shop” application is described as follows. The four different methods are used to test the software.

Unit testing

The Online Pet Shop was divided into several units and tested individually. Each unit was found to be working satisfactorily. This testing is carried out during the programming stage itself. In this testing step each module is found to be working satisfactorily as regards to the expected output from the module. Using a method called white box testing in which the software tester has knowledge of the inner workings, structure and language of the software, or at least its purpose and where each module or component of the software is tested individually. In the unit test case we will be testing the separate modules of the Software. We will test the components by passing data through it and we will be monitoring data to find the errors. We will be looking for entry and exit conditions of the data. We will make sure that all the components work without any troubles.

Integration testing

After splitting the program into units, the units were tested together to see the defects between each module and function. It is testing two or more modules or functions together with the intent of finding interface defects between the modules or functions. Testing completed at as part of unit or functional testing, and sometimes, becomes its own standalone test phase.

On a larger level, integration testing can involve putting together of groups of modules and functions with the goal of completing and verifying that the system meets the system requirements.

Validation testing

Validation testing is a process of obtaining the right amount of processing capability of the software “online pet shop”. The process of evaluating software during the development process or at the end of the development process is to determine whether it satisfies specified s/w requirements. Validation Testing ensures that the product actually meets the client's needs. It can also be defined as to demonstrate that the product fulfills its intended use when deployed on appropriate environment. Advantages of validation are, during verification if some defects are missed then during validation process it can be caught as failures.

System testing

The implementation of a computer-based system requires that test data to be prepared and that the system and its elements be tested in a planned structured manner. The computer program component is a major sub-system of the computer-based information system and particular attention should be given to the testing of this system element as it is developed in a software development project, errors can be injected at any stage during development. Each will discuss different techniques for detecting and eliminating errors that originate in that phase. In software the use of testing is not limited to the testing phase. Here I have tested all the modules in my project separately and run successfully.

6.SYSTEM **IMPLEMENTATION**

In first semester I developed a web application in PHP. The project titled “ONLINE PETSHOP” is a web-based application developed to book all pets and buy accessories online. This time also I developed an Online Pet shop but this time I include extra features. I had already pushed my existing system to my AWS account. So now I am wishing to implement this project into my AWS account. Because, Amazon Web Services offers cloud web hosting solutions that provide businesses, non-profits, and governmental organizations with low-cost ways to deliver their websites and web applications. AWS only charges you for the resources you use, with no up-front costs or long-term contracts. AWS has web hosting options that offer pay-as-you-go pricing or fixed monthly pricing

7. SCOPE FOR FURTHER DEVELOPMENT

This Project titled “Online Pet Shop” is obviously not a perfect tool for online shopping. But to some extent this will help to fulfil the expectations of the user. So in future we can modify this as a online pet shopping platform which includes more pet categories, various categories of accessories, proper payment . We can extend the area of application of this project.

8.CONCLUSION

The project “**Online Pet Shop**” was successfully designed and developed as per the requirements and specification .It is concluded that application works well . It allows the user to store the booking details and order details, admin can also see which customer bought which pet and accessories. This software package allows storing the details of all the data related to pet shop. The application acts as an informative site as well as pets and pet related products shopping. The project have many features like pet information, booking details, pet stock details, accessories details. pet stocks includes the details of different types of pets like dogs, cats, rabbits, birds etc and their features or characteristics of each breed and accessories details include different accessories name, description, stoke, image, price.

The main objective of developing a Online pet shop is to provide a user-friendly environment.

9.BIBLIOGRAPHY

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- IEEE Std 1016 Recommended Practice for Software Design Descriptions.

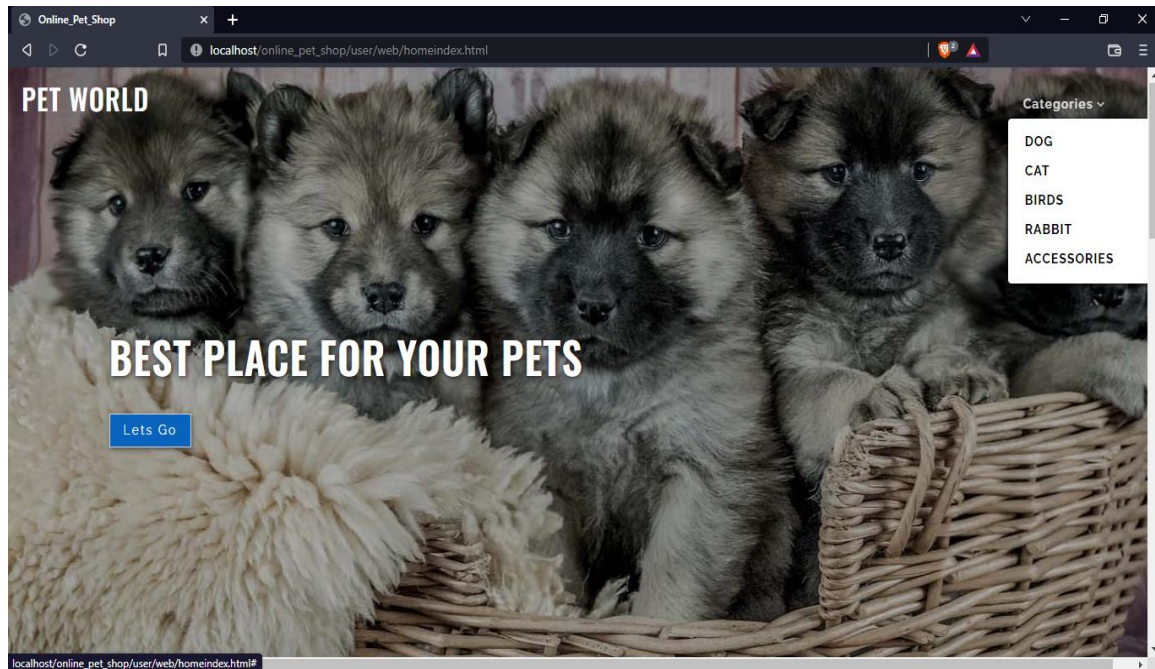
Websites:

- PHP: <https://www.javatpoint.com/php-tutorial>
- PHP: <http://php.net/manual/en/intro-what-is.php>
- <https://www.w3schools.com/mysql/>
- <https://www.tutorialspoint.com/mysql/mysql-php-syntax.htm>
- <https://www.tutorialspoint.com/mysql/mysql-connection.htm>

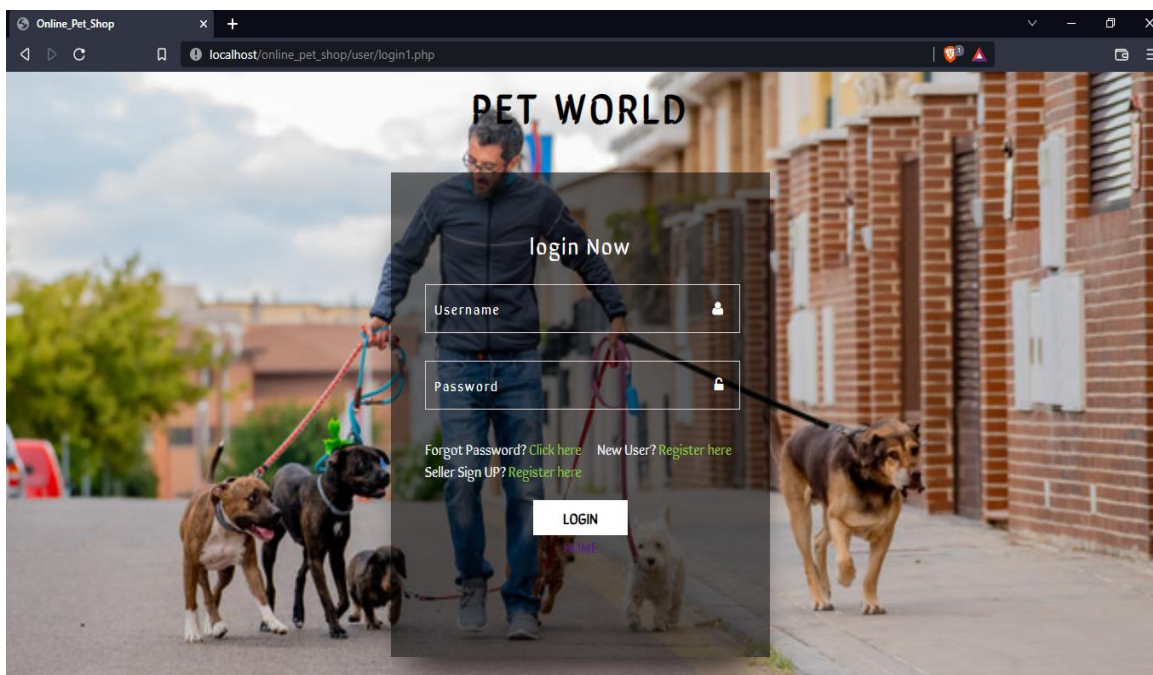
10.APPENDIX

SCREENSHOTS

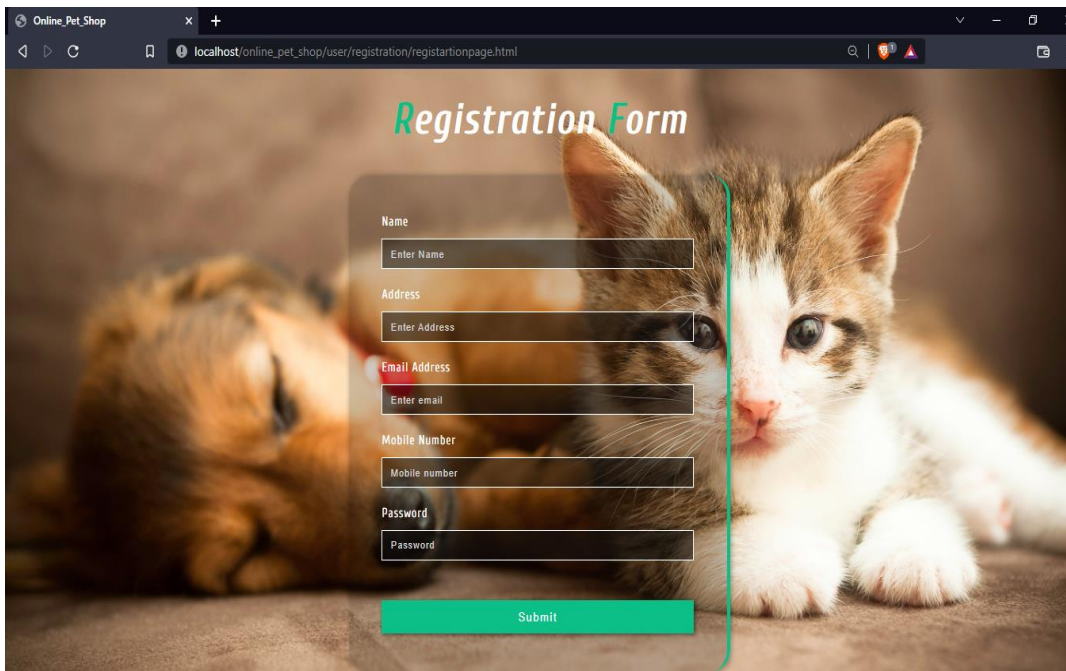
10.1 INDEX PAGE



10.2 LOGIN PAGE



10.3 REGISTRATION PAGE



Online_Pet_Shop

localhost/online_pet_shop/user/registration/registrationpage.html

Registration Form

Name
Enter Name

Address
Enter Address

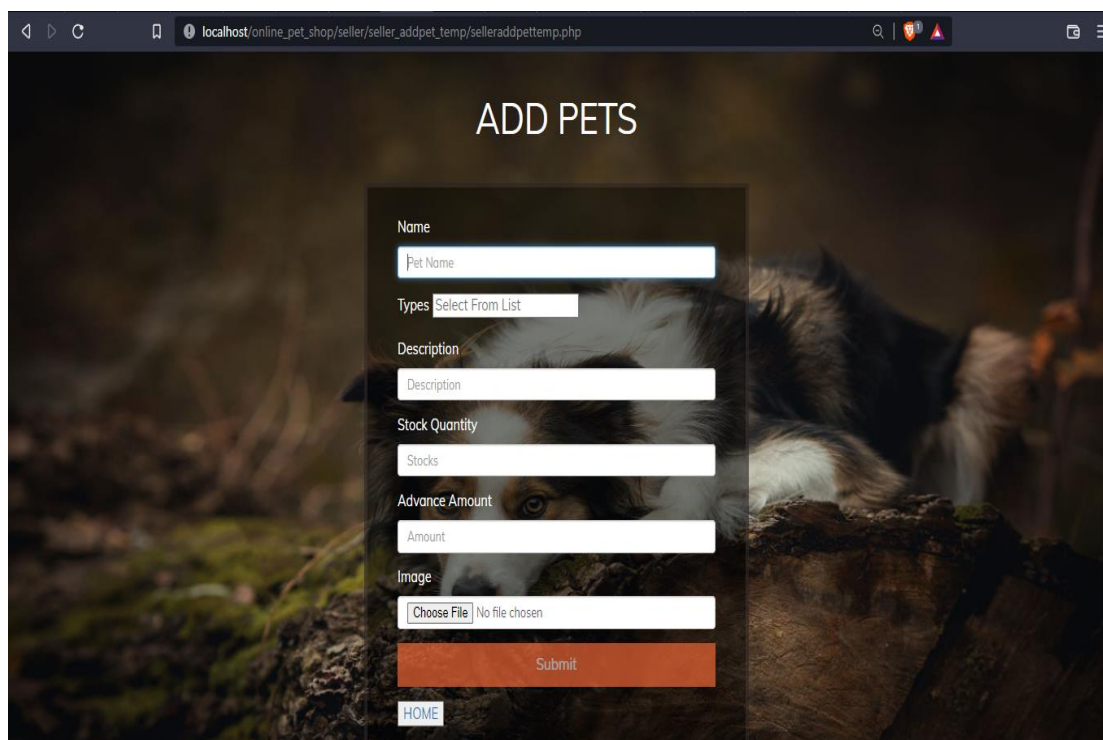
Email Address
Enter email

Mobile Number
Mobile number

Password
Password

Submit

10.4 ADD PET



localhost/online_pet_shop/seller/seller_addpet_temp/selleraddpettemp.php

ADD PETS

Name
Pet Name

Types
Select From List

Description
Description

Stock Quantity
Stocks

Advance Amount
Amount

Image
Choose File | No file chosen

Submit

HOME

10.5 ADD ACCESSORIES

Online_Pet_Shop x +

localhost/online_pet_shop/admin/admin_addaccess_temp/addacesstemp.php

ADD ACCESSORIES

Name

Description

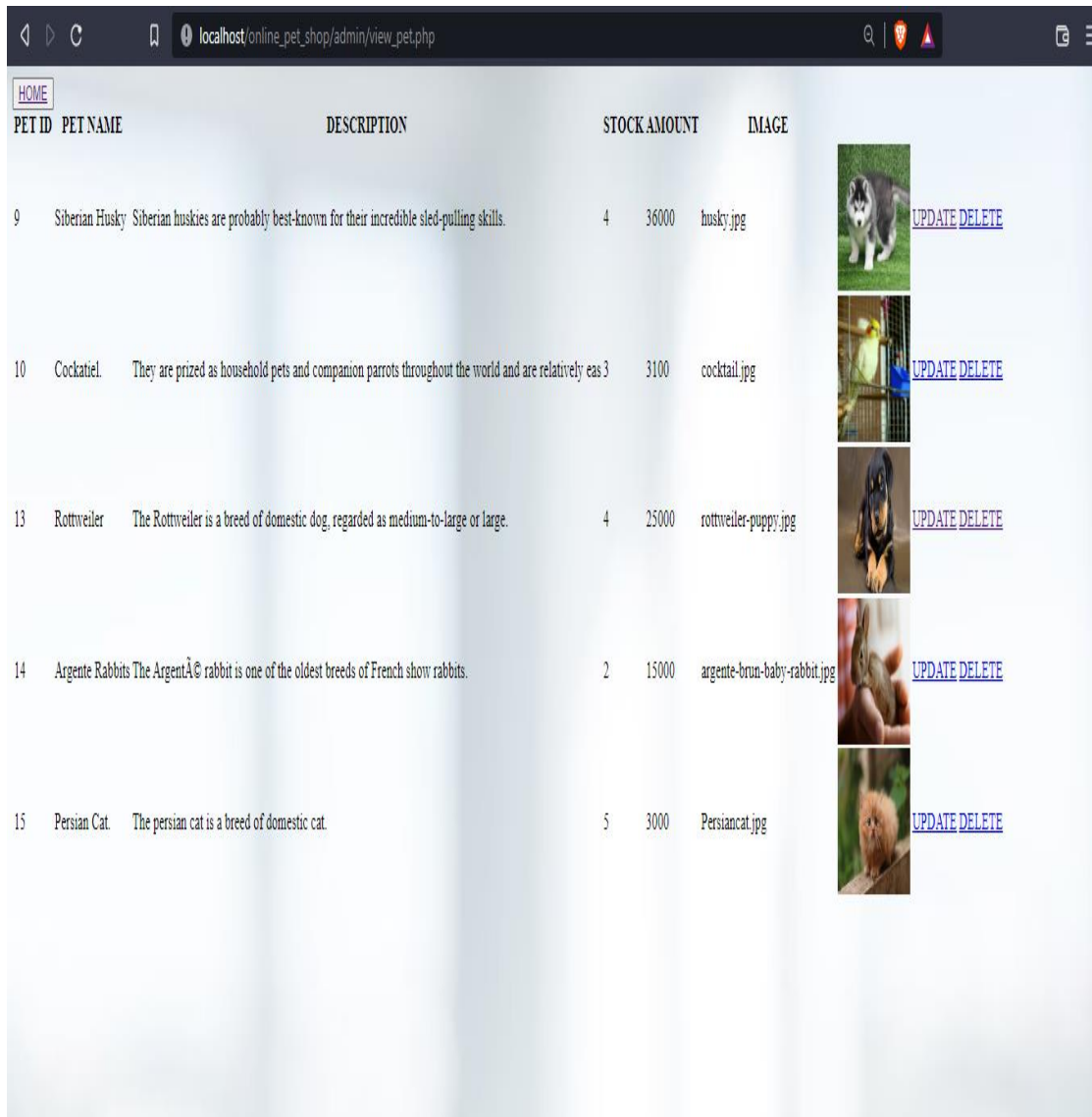
Stock Quantity






Amount

Image
 No file chosen

[HOME](#)

10.6 VIEW ACCESSORIES



PET ID	PET NAME	DESCRIPTION	STOCK	AMOUNT	IMAGE	
9	Siberian Husky	Siberian huskies are probably best-known for their incredible sled-pulling skills.	4	36000	husky.jpg	 UPDATE DELETE
10	Cockatiel	They are prized as household pets and companion parrots throughout the world and are relatively eas	3	3100	cocktail.jpg	 UPDATE DELETE
13	Rottweiler	The Rottweiler is a breed of domestic dog, regarded as medium-to-large or large.	4	25000	rottweiler-puppy.jpg	 UPDATE DELETE
14	Argente Rabbits	The ArgentÃ© rabbit is one of the oldest breeds of French show rabbits.	2	15000	argente-brun-baby-rabbit.jpg	 UPDATE DELETE
15	Persian Cat	The persian cat is a breed of domestic cat.	5	3000	Persiancat.jpg	 UPDATE DELETE