Veterinary Management System Website

A Project Report

Submitted in partial fulfilment of the

Requirements for the award of the Degree of

BACHELOR OF SCIENCE

(INFORMATION TECHNOLOGY)

By

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Roll Number – 430

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DEPARTMENT OF INFORMATION TECHNOLOGY

GURU NANAK KHALSA COLLEGE

OF

ARTS, SCIENCE & COMMERCE

(Autonomous)

MATUNGA, MUMBAI – 400 019

AY 2023 – 2024

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DEPARTMENT OF INFORMATION TECHNOLOGY

CERTIFICATE

This is to certify that the entitled, "**Veterinary Management System website",** is bonafied work of **Smruti Ganesh Lohar** bearing Seat No. **430** submitted in partial fulfilment of the requirements for the award of degree of
BACHELOR OF SCIENCE in INFORMATION TECHNOLOGY from University of Mumbai.

Internal guide **Coordinator**

External Examiner

Date: **CollegeSeal**

ACKNOWLEDGEMENT

I would like to express my thanks to the people who have helped me most throughout my project. I am grateful to my **Prof. Randeep Singh Ghai & HOD Mrs. Pinky Panda** for nonstop support for the project. I can't say thank you enough for him tremendous support and help.

I owe my deep gratitude to our HOD of Information Technology Department **Mrs. Pinky Panda** who took keen interest on our project work and guided us all along, till the completion of our project work by providing all the necessary information for developing a good system.

At last but not the least I want to thank all of my friends who helped/treasured me out in completing the project, where they all exchanged their own interesting ideas, thoughts and made this possible to complete my project with all accurate information. I wish to thank my parents for their personal support or attention who inspired/encouraged me to go my own way.

DECLARATION

I hereby declare that the project entitled, "**Veterinary Management System website**" done at **Guru Nanak Khalsa College**, has not been in any case duplicated to submit to any other university for the award of any degree. To the best of my knowledge other than me, no one has submitted to any other university.

The project is done in partial fulfilment of the requirements for the award of degree of **BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)** to be submitted as final semester project as part of our curriculum.

Smruti Ganesh Lohar

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CHAPTER 1: SYNOPSIS
VETERINARY MANAGEMENT SYSTEM

1.1 INTRODUCTION:

Veterinary Management System is a website developed to simplify the task for booking an appointment, to make easier the work of users (pet owner's), doctors, consultation (animal care), services and products. Website is designed, which as features for booking an appointment by checking the availability of a doctor and then select specific doctor specialization and a form is shown to the user who will fill the form based on animal condition and symptoms and do online payment. Books are conformed by admin and updates are sent to the doctor regarding bookings along with details the user has filled. The project is designed with three modules admin, user, and doctor. Entire data is managed in a centralized database using the MySQL database.

The goal of the system is to create a tool for managing the workflow of a veterinarian. There was a need for a light weight website that would keep track of patients, appointments, procedures and medication. All these vets need a web application to manage their work, clients, patients, medication, timetables, receipts. It helps to store and manage information and procedures that vets have to deal with every day and keep track of the patients.

1.2 FEATURES:

- **Admin:** Admin will look after the application who will check users and doctors and confirm appointments and send emails to the user. Admin updated user booking status to the doctor online.
- **User:** The user should register with the application he/she is basically a person who wants to get his pet to be treated. The user will select the type of doctor and treatment and fill form related to a problem and check the availability of doctors and book appointments and confirm the booking.
- **Veterinarian:** The doctor will register with the application based on his specialization and what type of service he provides.

- **Online Consultant:** Online consultations allow you to connect once through audio/video calls and access messaging services used by your pet's practitioner. You don't have to waste time on minor issues when you can visit a veterinarian online.
- **Vaccination:** It helps the veterinarians efficiently manage and track the vaccination history of animals under their care.
- **Prescription Generation:** Allows doctor to generate digital Prescription for patient, prescribed medications, dosage, duration of treatment.

1.3 SOFTWARE REQUIREMENTS:

- Windows 10
- HTML, CSS, PHP
- Java
- MySQL

1.4 HARDWARE COMPONENTS:

- Processer: i5
- Hard Disk: 500GB
- Memory: 2GB RAM

1.5 ADVANTAGES:

- Online appointment booking eliminates the need for waiting in queues at the clinic.
- Users can save time by processing through this website.
- Easy to find if a doctor is available based on our required treatment.
- Online booking – 24/7 bookings for the practice.
- The system saves time and reduce human efforts.
- Provides quick responses and affordable.

1.6 DISADVANTAGES:

- It requires internet connection.
- Website services are limited for specific services only.

1.7 REFERENCES:

https://www.softermii.com/blog/guide-on-veterinary-practice-management-software-development

CHAPTER 2: SURVEY OF TECHNOLOGIES.

2.1 Introduction

The goal of the system is to create a tool for managing the workflow of a veterinarian. There was a need for a light weight application that would keep track of pets, appointments, procedures and medication. All these vets need a web application to manage their work, clients, patients, medication, timetables, receipts.

2.2 Survey within the company (Existing Systems)

Veterinary Hospital is a small but full-service animal hospital that deals with routine check-up for dogs and cats as well as emergency cases. Veterinary Hospital is a comfortable, kid-friendly, and calm environment. When they were established and have one veterinarian, and 3-4 on full-time staff fulfilling a number of roles, including administration, technical expertise, nursing, and various other defined roles.

The hospital is still using an old system of recording, which is manually. The staff are still experiencing an old tradition of recording information where it consumes more space, time, paper and other redundancy to find or store the

patient information. The hospital still using index cards in their daily transactions. They keep their records in drawers and it gives them a lot of time in finding some of the documents they need.

2.3 Survey in the market

Disadvantages of existing system:

- Time consuming.
- Lots of paper work.
- Loss of data/documents/reports.
- Waiting in long queues.
- Less number of veterinary clinic.
- Doesn’t provide notification for the vaccine.
- None availability of doctors somedays.

List of solutions available in market:

- VETport
- Cornerstone Practice Management
- AVImark
- eVETPractice
- Vetter
- Hippo Manager
- ezyVet

- Vetsource
- DaySmart Vet
- IntraVet

2.4 Detailed explanation of two solution in market.

1. eVETPractice

The cloud-based software for veterinary practices is known for its integrated Covetrus tech and service-based solutions.

Some of the key features are:

- EMR management, appointment schedules, and communication tools for vets.
- Document storage, customized lab forms, and test history storage.
- Pet owner portal that allows clients to access personal info, account balance, payment history, and appointments.
- Dashboard with configurable calendar, appointment lists, and medical records Integration with ANTECH diagnostics technology and IDEXX labs.

Disadvantages:

- Sometimes you need to click through multiple times to get a simple function executed. This can be frustrating.
- Updates are slow, and there may be some glitches following a few days after the update.
- When medical history is long, it takes a couple more minutes to load than normal. Medical history pages do not have patient alerts and client notes.

2. **Vetter**

The cloud-based software for veterinarians is known for its 256-bit encryption system that ensures security and safety.

Here are the main features of this application:

- Electronic vet record tool that allows you to see consolidated patient record.
- Inventory management via automatic updates, electronic ordering, and customized alerts.
- Appointments automatically include charges, along with taxes.
- Customizable templates for reminders and appointments.

Disadvantages:

- The reminder system is not always up to par. Sometimes, it can miss some items.
- The layout of patient records could be improved.
- There is no mobile app for the application.

2.5 Proposed System, its advantages / disadvantages

Veterinary Management System is a website developed to simplify the task for booking an appointment, to make easier the work of users (pet owner's), doctors, consultation (animal care), services and products. Website is designed, which as features for booking an appointment by checking the availability of a doctor and then select specific doctor specialization and a form is shown to the user who will fill the form based on animal condition and symptoms and do online payment. Books are conformed by admin and updates are sent to the doctor regarding bookings along with details the user has filled. The project is designed with three modules admin, user, and doctor. Entire data is managed in a centralized database using the MySQL database.

The goal of the system is to create a tool for managing the workflow of a veterinarian. There was a need for a light weight website that would keep track of patients,

appointments, procedures and medication. All these vets need a web application to manage their work, clients, patients, medication, timetables, receipts. It helps to store and manage information and procedures that vets have to deal with every day and keep track of the patients.

Advantages:

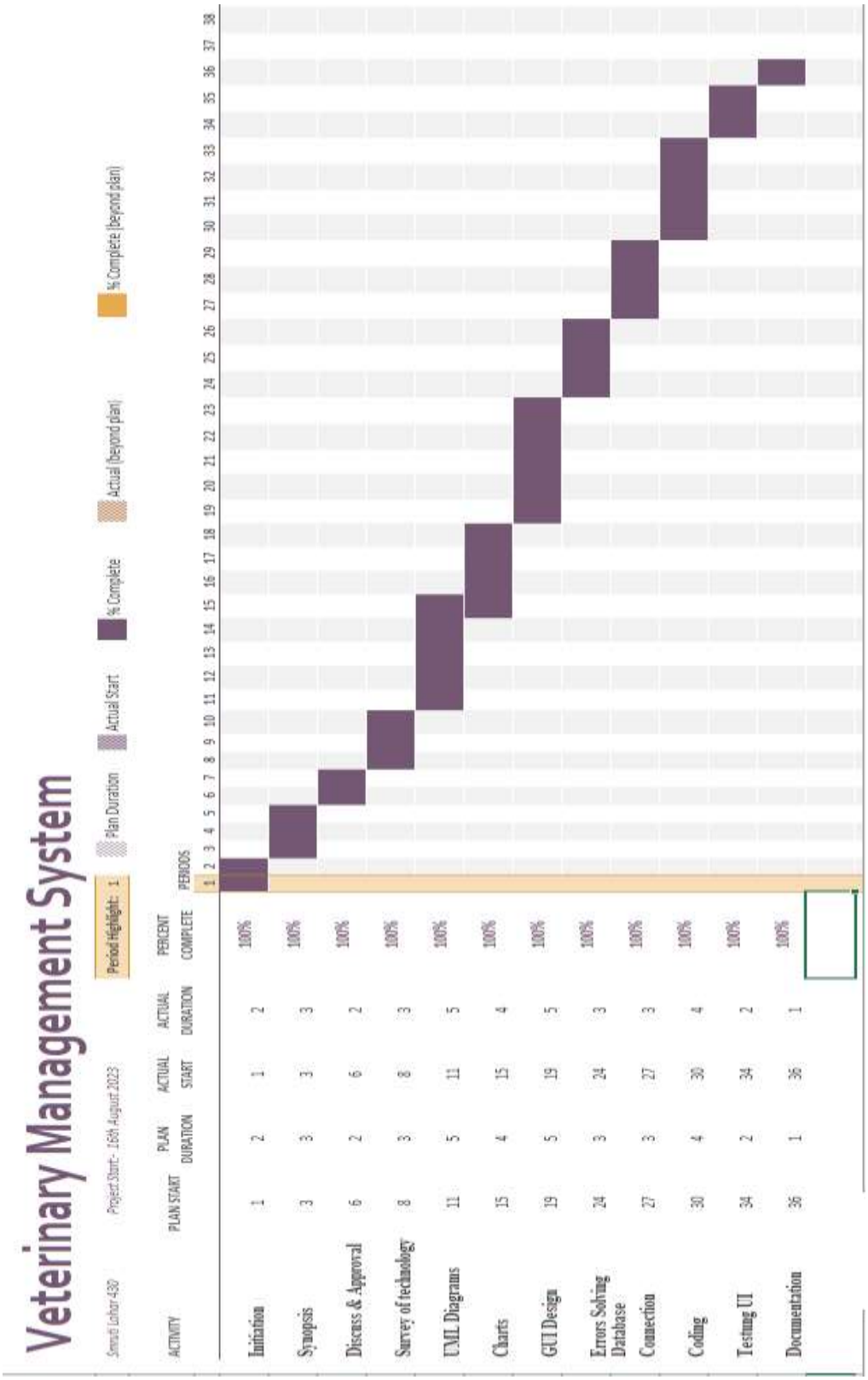
- Online appointment booking eliminates the need for waiting in queues at the clinic.
- Users can save time by processing through this website.
- Easy to find if a doctor is available based on our required treatment.
- Online booking – 24/7 bookings for the practice.
- The system saves time and reduce human efforts.
- Provides quick responses and affordable.

Disadvantages:

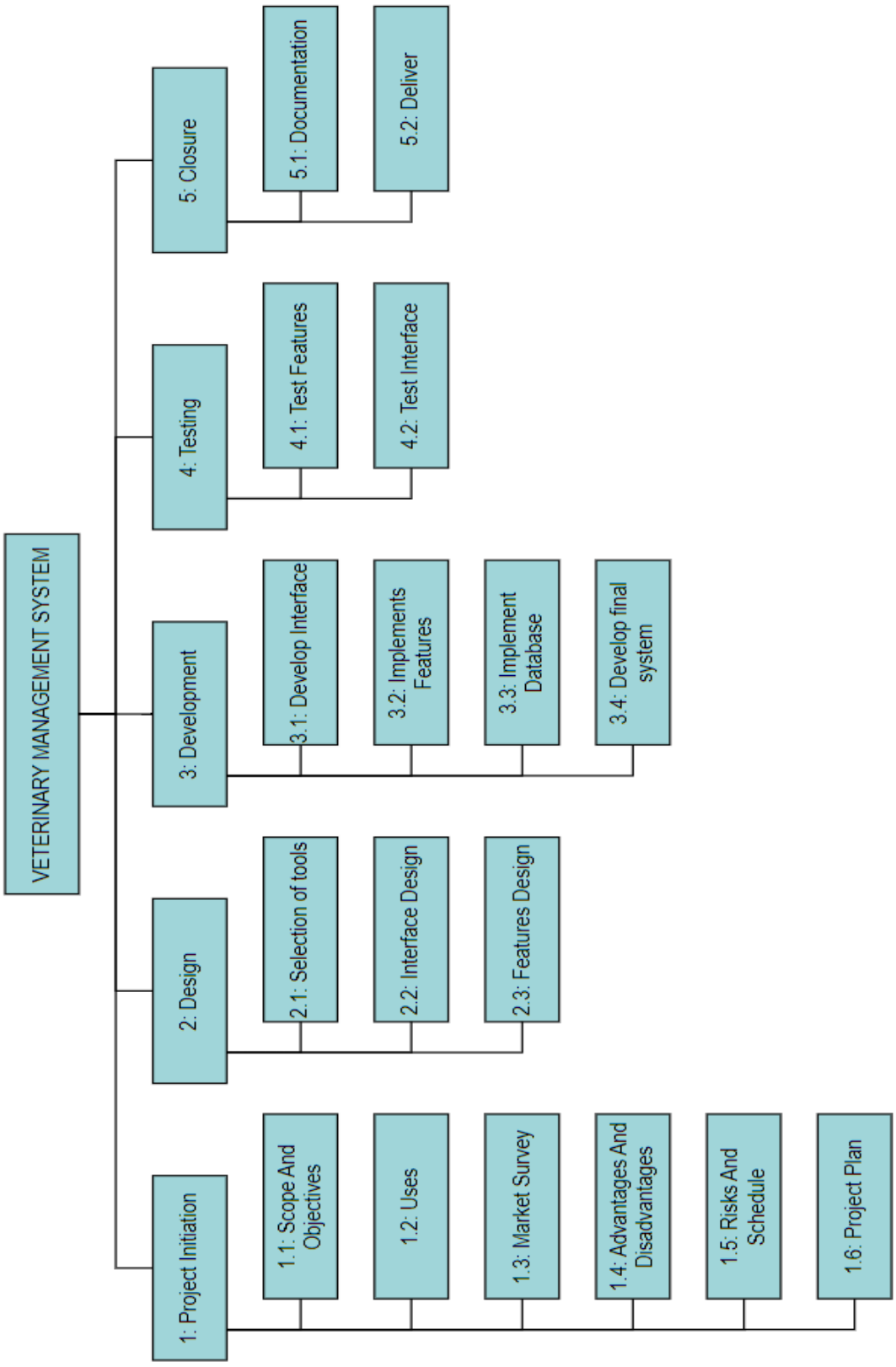
- It requires internet connection.
- Services are limited in it. Does not come with a mobile app.

CHAPTER 3: REQUIREMENTS / ANALYSIS

3.1 GANTT Chart

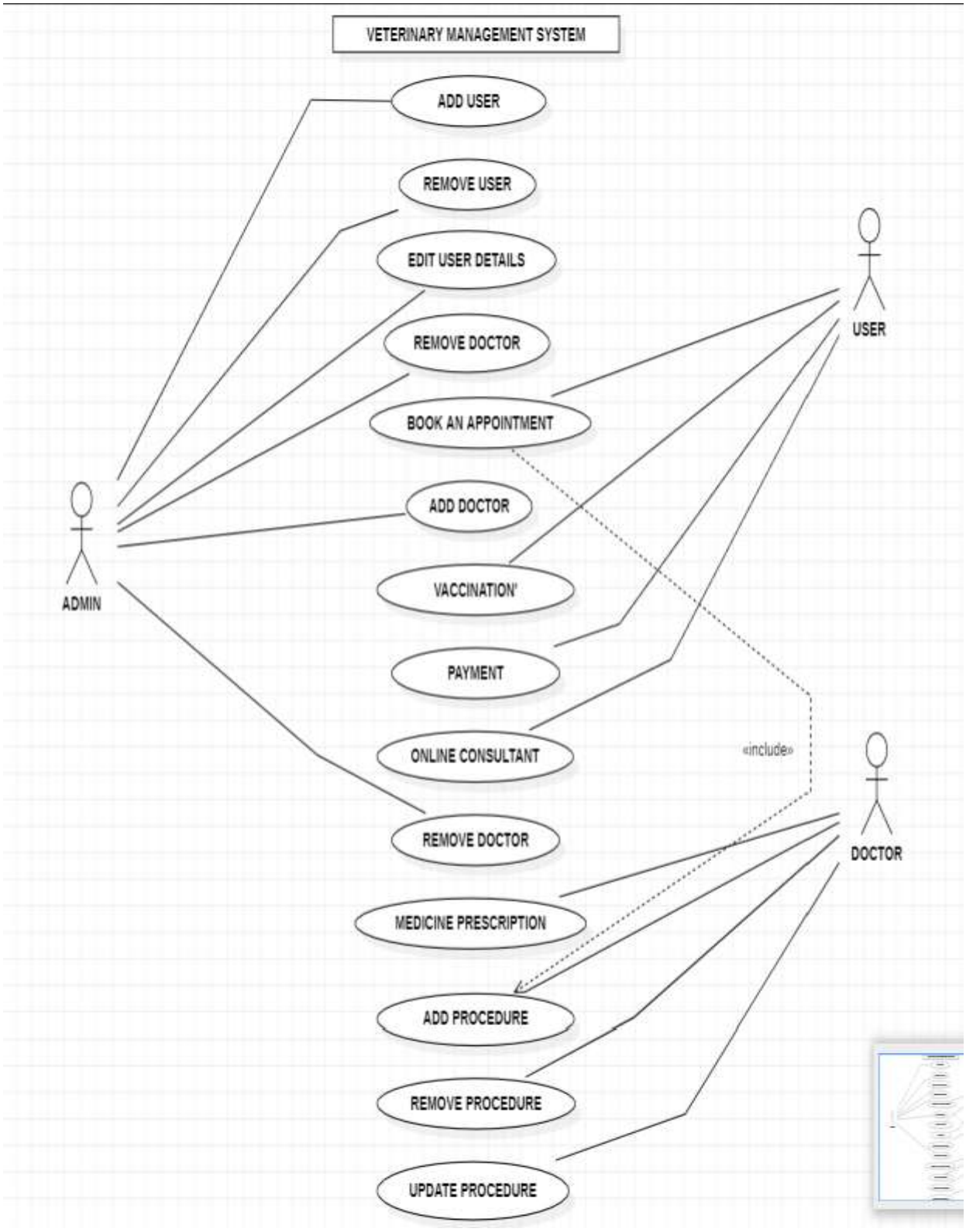


3.2 WBS Chart


VETERINARY MANAGEMENT SYSTEM
1: Project Initiation
1.1: Scope And Objectives
1.2: Uses
1.3: Market Survey
1.4: Advantages And Disadvantages
1.5: Risks And Schedule
1.6: Project Plan
2: Design
2.1: Selection of tools
2.2: Interface Design
2.3: Features Design
3: Development
3.1: Develop Interface
3.2: Implements Features
3.3: Implement Database
3.4: Develop final system
4: Testing
4.1: Test Features
4.2: Test Interface
5: Closure
5.1: Documentation
5.2: Deliver

CHAPTER 4: SYSTEM DESIGN

4.1 USE CASE Diagram

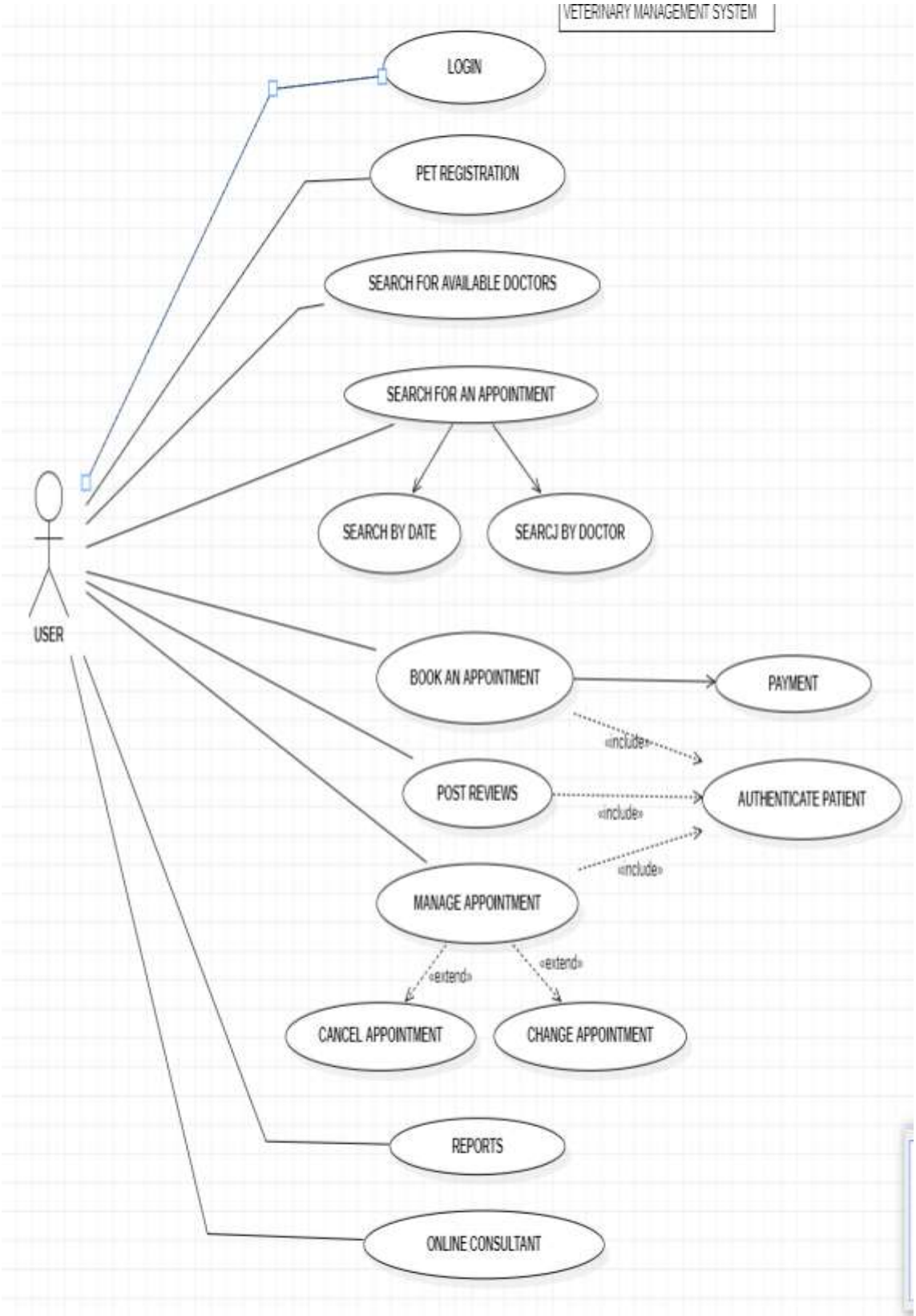


The ADMIN has access to all the functionalities in the diagram of veterinary management system involving removing user, adding user, adding doctor, removing doctor, updating all the functions, cancel booking, reschedule the appointments.

The USER has access to the functionalities of booking an appointment, vaccination, payment.

The DOCTOR has access to the functionalities of scheduling booking, online consulting, medicine prescription, details or reports.

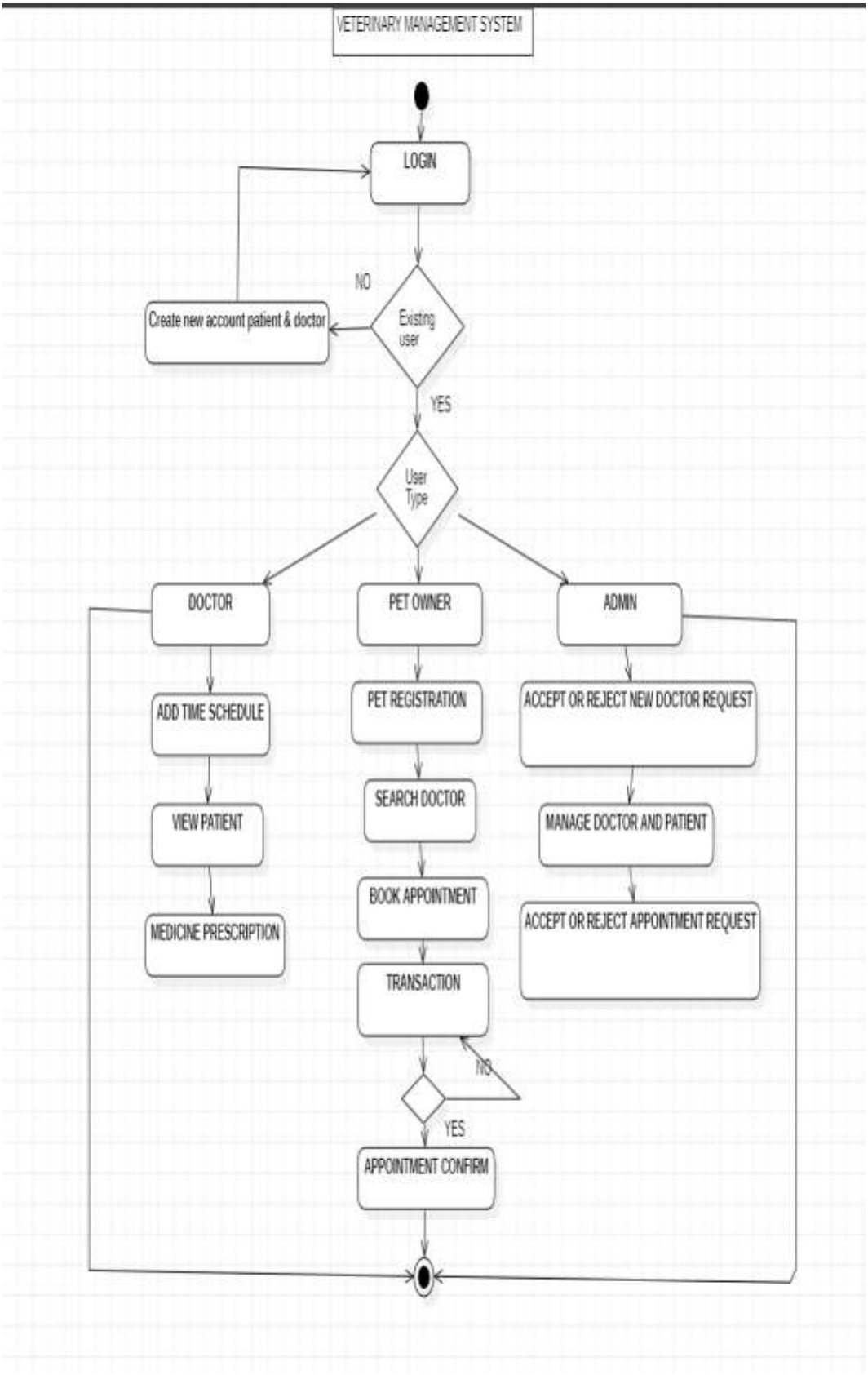
4.1.2 USE CASE DIAGRAM



In this diagram USER access are given in detail starting with login, pet registration, search for available doctors, search by doctor and search by date for an appointment and then book appointment, cancel appointment, change appointment, get the reports by the online consultant. Once appointment is done do the payment.

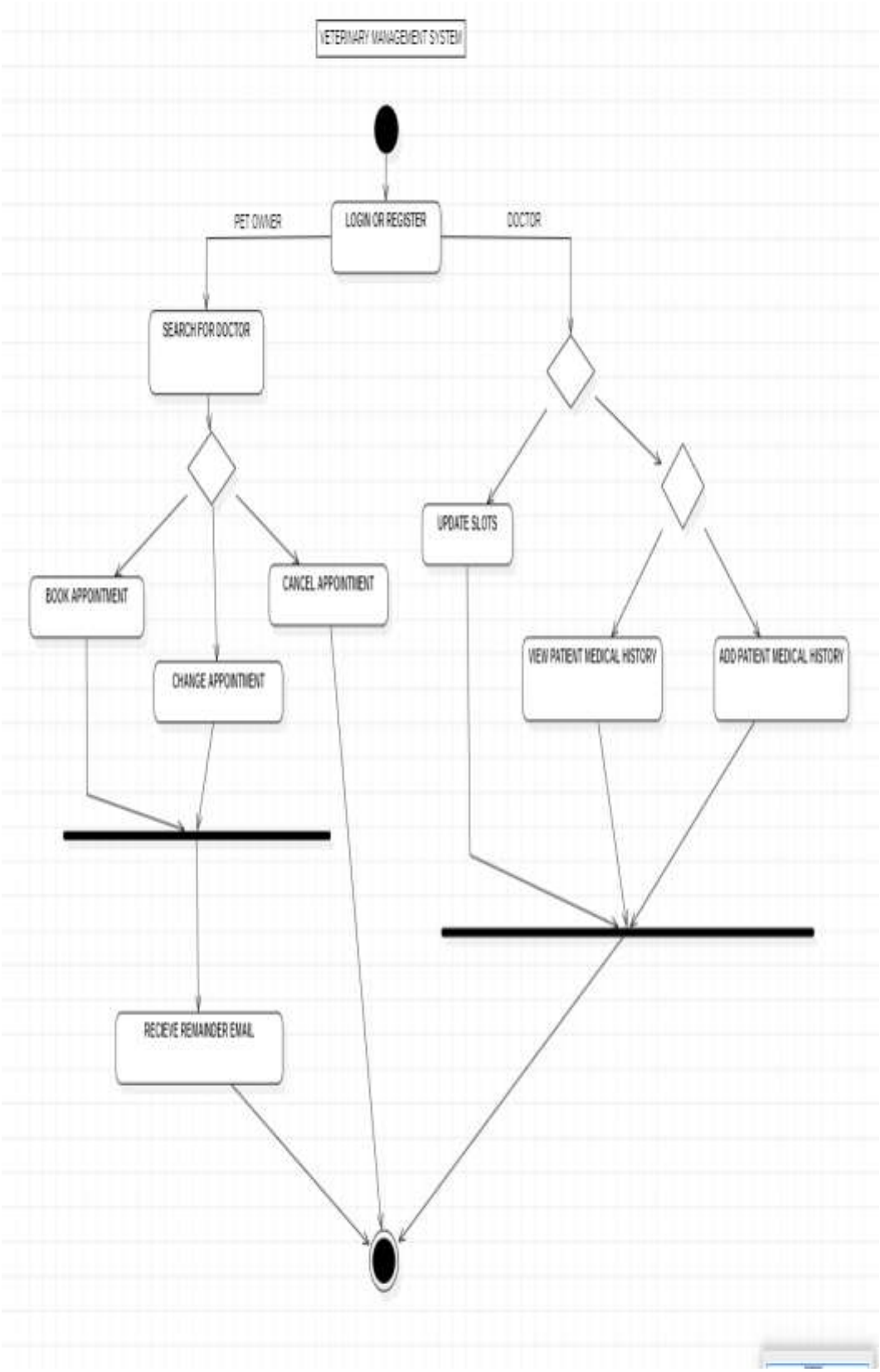
4.2 ACTIVITY Diagram

4.2.1 ACTIVITY DIAGRAM



This diagram shows login detail for all the modules. In this first we need to create an account if we are the not the existing user or doctor otherwise we can directly login if we are the existing user or doctor. Doctor module shows that a doctor can add the time schedule, can view the patient details and give the medicine prescription to the pet owner. Pet Owner has to do the registration of his/her pet. Search a doctor for the appointment, book the slot and do the payment for confirm booking. Admin can accept or reject the new doctor requests. Manage the whole functionality of the management of doctor and patient. Accept or reject the appointments.

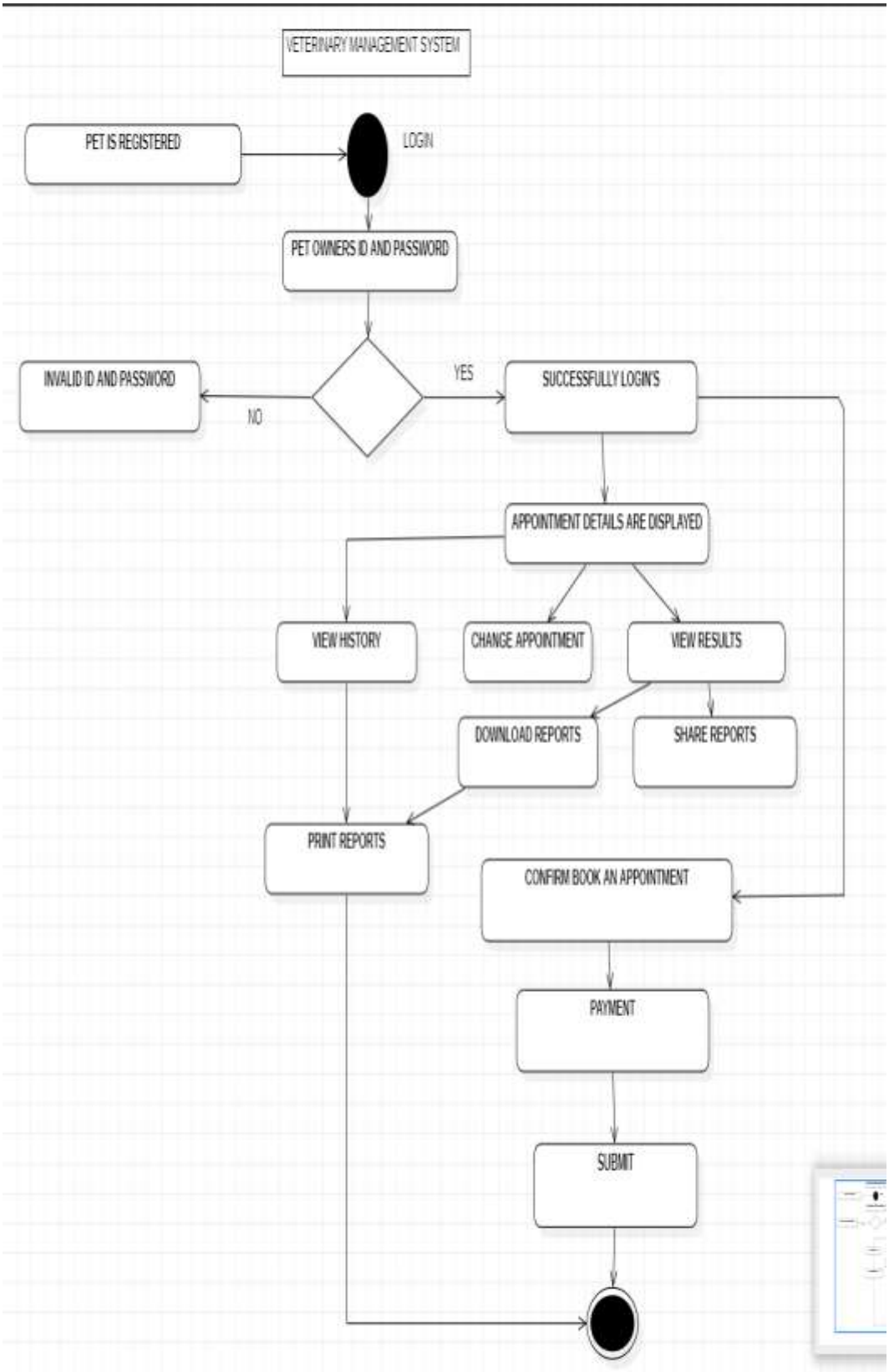
4.2.2 ACTIVITY DIAGRAM



This shows the login of pet owner and doctor both first they have to fill the register form and then proceed to login. After the login of pet owner he can search for a doctor for the booking purpose. For booking he/she needs to fill the form of pet registration and appointment form for booking. They can do the booking as per the search of doctor. They can change the booking by updating the form or they cancel the booking if they don't need it. After the booking they will get the remainder in the email for their appointment.

In doctor slot he/she can update the slots of appointments, view patients history & details, add patient medical history and provides a medicine prescription if needed.

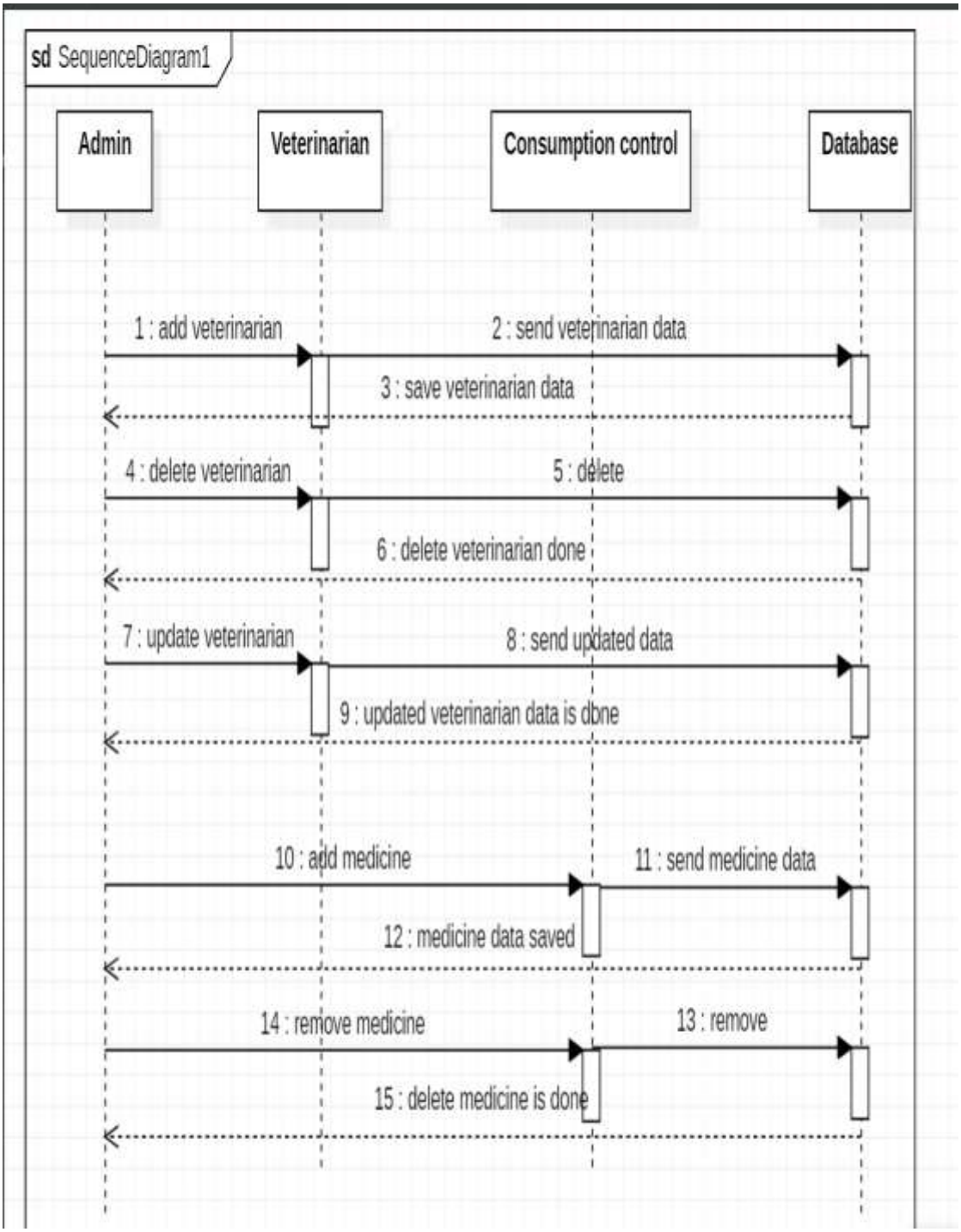
4.2.3 ACTIVITY DIAGRAM



In this diagram the login details for the pet owner is given in detailed they have to fill the form of pet registration then they can proceed further for login we need to fill the ID & Password if the password or ID will be invalid he/she can't be logged in, if the ID & password are correct the user can go for further details of booking an appointment the user needs to fill the form or he can view the history of his previous checkups, can change booking date & time, view the reports in history section the user can download the reports and take a print of it, confirm the booking, do the payment, submit the form and can log out.

4.3 SEQUENCE DIAGRAM

ADMIN:

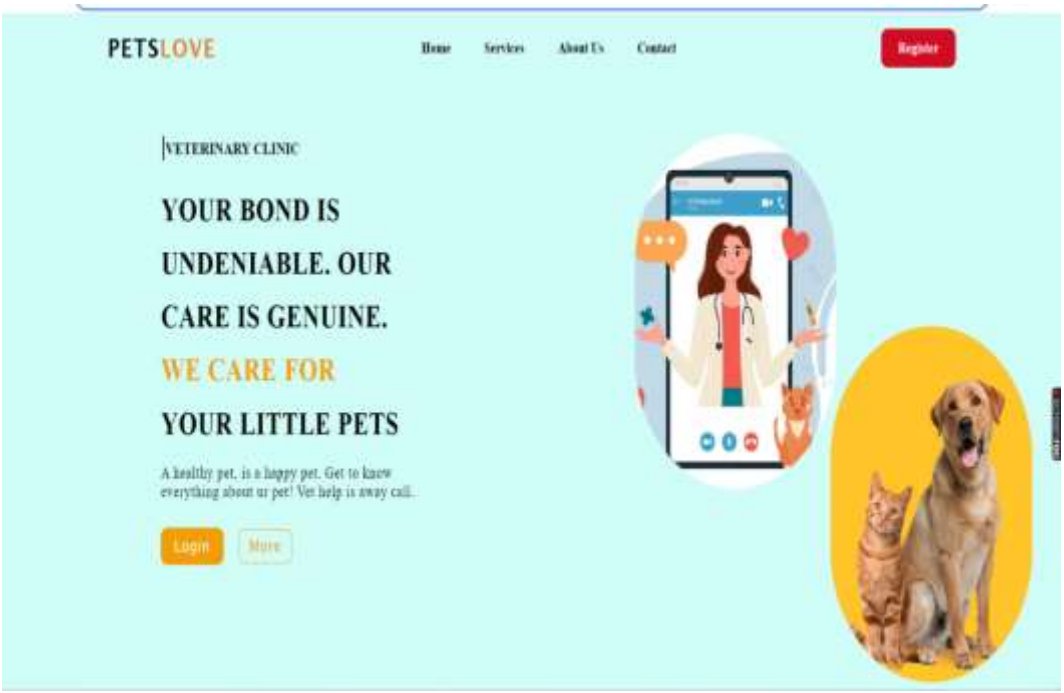


In this diagram, the admin can add veterinarian, provide data, save the details, delete the profile of the veterinarian, update the details, add medicine, delete medicine, send the details of the needed and common medicines, remove medicine.

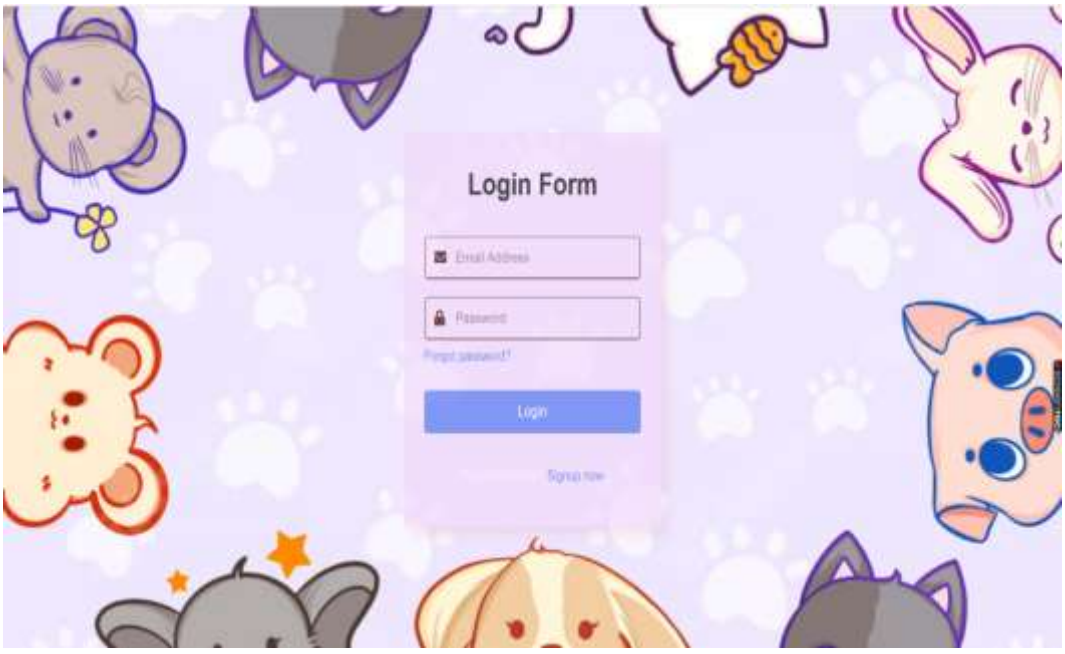
CHAPTER 5: IMPLEMENTATION AND TESTING

5.1 FINAL GUI

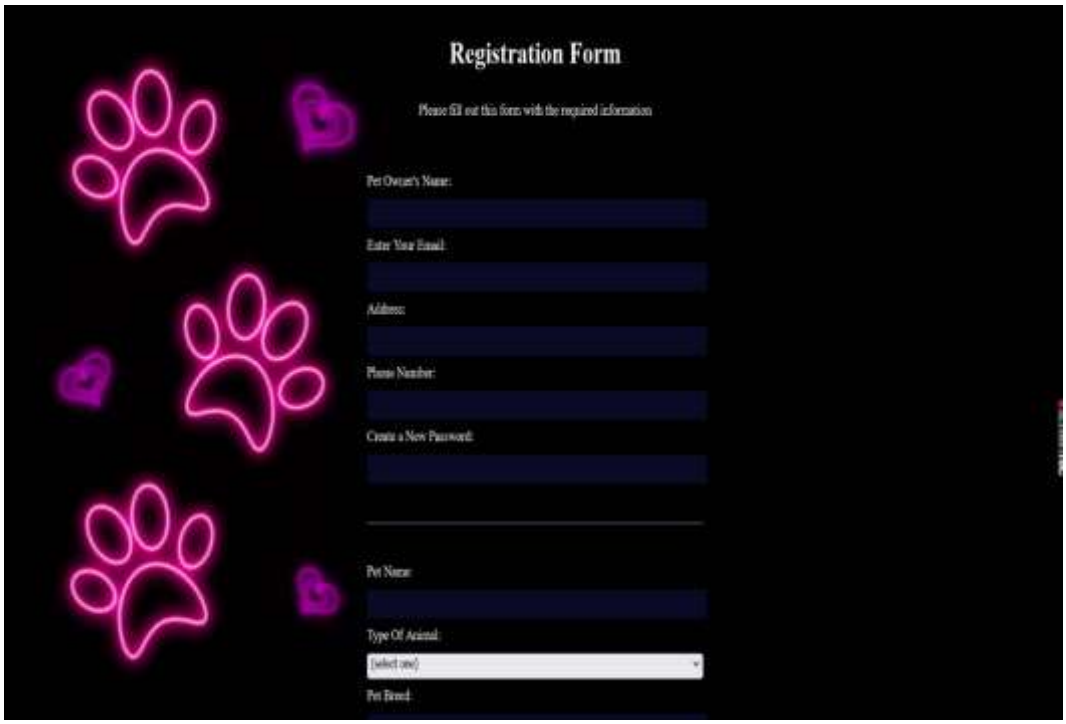
1. Home Page



2. Login Page



3. Registration Page

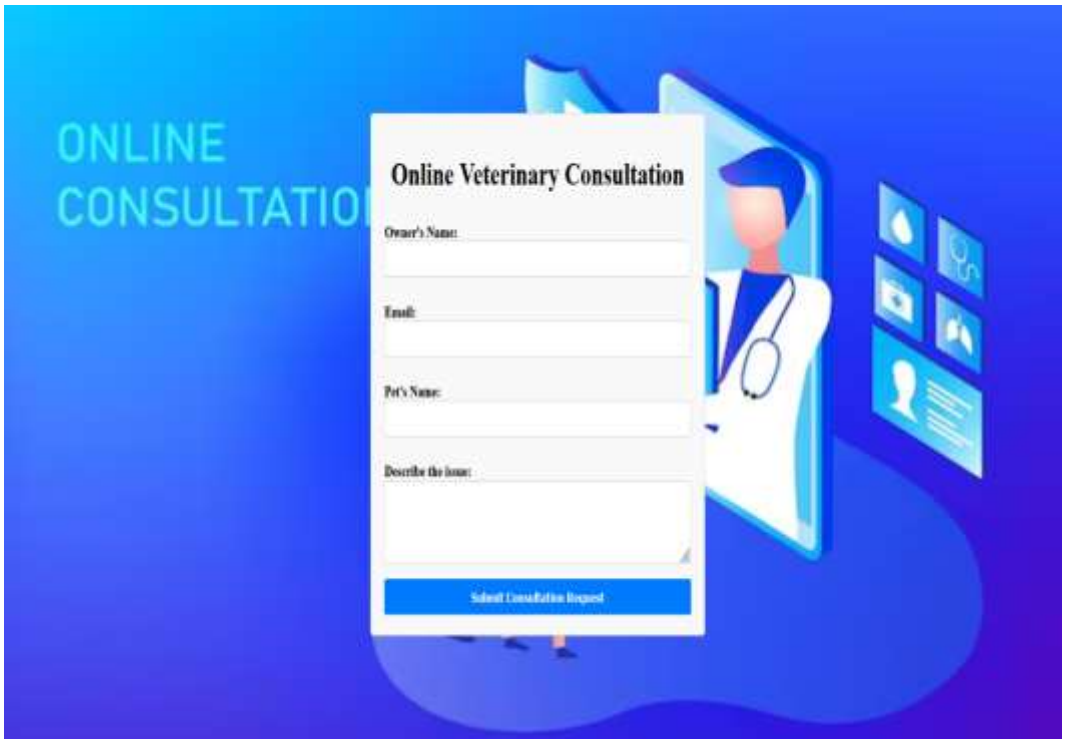


4. Appointment Booking

5. Vaccination Booking

6. Prescription

7. Online Consultation



8. Review Page

5.2 CODING

Frontend Code:

index.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-
scale=1.0" />
    <title>Document</title>
    <style>
      * {
        margin: 0;
        padding: 0;
        box-sizing: border-box;
      }
      html,
      body {
        height: 100%;
        width: 100%;
      }
      .main {
        height: 100%;
        width: 100%;
        background-color: rgb(209, 253, 249);
      }
      header {
        padding-left: 10%;
        padding-right: 10%;
        height: 10%;
        display: flex;
        justify-content: space-between;
        align-items: center;
        /* background-color: blueviolet; */
      }
      header h1 {
        letter-spacing: 2px;
        font-size: 28px;
        text-transform: capitalize;
        font-weight: 700;
        font-family: "Lucida Sans", "Lucida Sans Regular", "Lucida
Grande",
          "Lucida Sans Unicode", Geneva, Verdana, sans-serif;
```

```
}
h1 span {
  color: rgb(234, 121, 28);
  text-transform: capitalize;
}
nav {
  display: flex;
  gap: 50px;

  font-size: 17px;
}
nav a {
  color: black;
  text-decoration: none;
  text-transform: capitalize;
  font-weight: 600;
   transition: .2s;
}
nav a:hover{
  text-decoration: underline;
  font-weight: 600;
}
header button{
  font-size: 17px;
  padding: 12px 25px;
  border: none;
  border-radius: 10px;
  background-color: rgb(210, 12, 35);
  color:rgb(255, 255, 255);
  cursor: pointer;
  text-transform: capitalize;
  font-family: 'Times New Roman', Times, serif;
  font-weight: 600;
}
header button:hover{
  background-color: white;
  color: rgb(235, 162, 5);
  border: 1px solid gray;
}
.main .para{
  position: absolute;
  top: 17%;
  left: 15%;
  font-size: 19px;
  font-weight: 700;
  text-transform: capitalize;
}
```

```
      .main .para span{

        font-size: 30px;
        font-weight: 900;
      }
      .txt{
        position: absolute;
        top: 25%;
        left: 15%;
        height: 400px;
        width: 400px;
        /* background-color: blueviolet; */
      }
      .txt h3{
        line-height: 60px;
        font-size: 35px;
        text-transform: capitalize;
        font-family: gilroy;
        font-weight: 900;
        letter-spacing: 1px;
      }
      .txt h3 span{
        color: rgb(241, 159, 6);
      }
      .txt p{
        margin-top: 15px;
        font-size: 18px;
        width: 100%;
        letter-spacing: 1px;
      }
      .txt button{
        cursor: pointer;
        margin-top: 30px;
         font-size: 18px;
         letter-spacing: 1px;
         text-transform: capitalize;
         font-family: 'Lucida Sans', 'Lucida Sans Regular', 'Lucida
Grande', 'Lucida Sans Unicode', Geneva, Verdana, sans-serif;
         padding: 10px 20px;
         border: none;
         border-radius: 10px;
      }
      .txt .btn1{
        color: #fff;
        background-color:rgb(241, 159, 6);
      }
       .txt .btn1:hover{
```

```
        color: rgb(255, 170, 13);
        background-color:rgb(158, 156, 153);
      }
      .txt .btn2{
        padding: 8px 15px;
        margin-left: 18px;
        background-color: transparent;
        color:rgb(241, 159, 6);
        border: 1px solid rgb(241, 159, 6);
      }
      .txt .btn2:hover{
         color: #fff;
        background-color:rgb(241, 159, 6);
      }
      .box{
        margin: 20px;
        height: 400px;
        width: 300px;
        background-color: rgb(241, 159, 6);
        border-radius: 450px;
      }
      .a{
        position: absolute;
        top: 15%;
        right: 20%;
        background-image:
url(file:///C:/Users/Suresh/Desktop/images/onnn.png);
        background-position: center;
        background-size: cover;
      }
      .b{
        background-position: center;
        background-size: cover;
        background-image:
url(file:///C:/Users/Suresh/Desktop/images/dog.jpg);
        position: absolute;
        bottom: -10px;
        right: 1.5%;
      }
      h4{
        font-size: 15px;
        position: absolute;
       bottom: 10px;
       left: 45%;
       text-transform: capitalize;
       letter-spacing: 3px;
       text-align: center;
```

```
       font-weight: 500;
       font-family: Impact, Haettenschweiler, 'Arial Narrow Bold',
sans-serif;
      }
      h1 img {
    width: 25px; /* Adjust size as needed */
    height: 25px; /* Adjust size as needed */
    margin-right: 10px; /* Adjust spacing between icon and text */
}

    </style>

  </head>
  <body>

    <div class="main">
      <header>
        <h1><img src="pet_icon.png" alt="Pet
Icon">PETS<span>LOVE</span></h1>
        <nav>
          <a href="index.html">Home</a>
          <a href="services.html">Services</a>
          <a href="aboutus.html">About us</a>
          <a href="contact.html">Contact</a>
          <a href="obooking.html">Online Booking</a>
          <a href="oconsult.html">Online Consult</a>
          <a href="review.html">Review</a>

        </nav>
        <a href="reg.html"><button>Register</button></a>
      </header>
      <p class="para"> <span>|</span>VETERINARY CLINIC</p>
      <div class="txt">
        <h3>YOUR BOND IS UNDENIABLE. OUR CARE IS
GENUINE.<br><span>WE CARE FOR</span> <br> YOUR LITTLE PETS</h3>
        <p>A healthy pet, is a happy pet. Get to know everything
about ur pet! Vet help is away call.</p>
        <a href="login.html"><button class="btn1">Login</button></a>
        <button class="btn2">More</button>
      </div>
      <div class="box a"></div>
      <div class="box b"></div>
    </div>
  </body>
</html>
```

appoint.html

```
      <!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1.0">
    <title>Veterinary Appointment Booking</title>
    <link rel="stylesheet" href="styles.css">
<style>
body {
    font-family: Times New Roman, sans-serif;
font-size: 25px;
    background-color:#d3f3f0;
    background-image:
url('file:///C:/Users/Suresh/Desktop/Project%20folder/ddcc.jpg');
  background-repeat: no-repeat;
  background-attachment: fixed;
  background-size: 100% 100%;
}

.container {
    max-width: 700px;
    margin: 0 auto;
    padding: 100px;
    background-color:#B0E0E6;
    border-radius: 5px;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.2);
opacity: 0.7;
}

h1 {
    text-align: center;
    margin-bottom: 20px;
}

label {
    display: block;
    margin-bottom: 5px;
font-weight: bold;
font-size: 20px;
  color: black;
  padding: 8px;
  font-family: Times New Roman;
}
```

```
input {
    width: 100%;
    padding: 10px;
    margin-bottom: 15px;
    border: 1px solid #ccc;
    border-radius: 3px;
}

button {
    background-color: #007BFF;
    color: #fff;
    border: none;
    padding: 10px 20px;
    cursor: pointer;
background-color: green;
        box-shadow: 0 8px 16px 0 rgba(0, 0, 0, 0.6),
                    0 6px 20px 0 rgba(0, 0, 0, 0.24);
}

    button:hover {
        background-color: #0056b3;
    }

#confirmation {
    margin-top: 20px;
    text-align: center;
    font-weight: bold;
}
select {
display: block;
        width: 250px;
        margin: 8px;
font-weight: normal;
font-size: 20px;
padding: 8px;

    }
    select:focus {
        min-width: 250px;
        width: auto;
    }
    .bg{
        background-repeat: no-repeat;
  background-attachment: fixed;
```

```
  background-size: 100% 100%;
    width: 120%;
    height: 160%;
    position: absolute;
    z-index: -1;
    opacity: 0.6;
}

</style>
</head>
<link rel="stylesheet" href="StyleSheet1.css" />
<body>
    <img class="bg" src="ddcc.jpg" >
    <div class="container">
        <h1>Veterinary Appointment Booking</h1>
        <form id="appointmentForm" action="appont.php"
method="post">

            <label for="pet_name">Pet Name:</label>
            <input type="text" name="pet_name" id="pet_name"
required>

            <label for="petBreed">Pet Breed:(optional)</label>
            <input type="text" name="pet_breed" id="pet_breed"
optional>

        <label for="animal">Animal:</label>
            <select name="animal" id="animal">
            <option value="dog">Dog</option>
            <option value="cat">Cat</option>
            <option value="bird">Bird</option>
            <option value="rabbit">Rabbit</option>
            <option value="other">Other</option>
            </select>

            <label for="owner_name">Owner's Name:</label>
            <input type="text" name="owner_name" id="owner_name"
required>

            <label for="app_date">Appointment Date:</label>
            <input type="date" name="app_date" id="app_date"
required>

            <label for="app_time">Appointment Time:</label>
            <input type="time" name="app_time" id="app_time"
required>
```

```
            <label for="email">Email Id:</label>
            <input type="text" name="email" id="email" required />

            <label for="ph_no">Phone Number:</label>
            <input type="number" name="ph_no" id="ph_no" required />

            <button type="submit">Book Appointment</button>
        </form>
        <div id="confirmation"></div>
    </div>
    <script src="appoint.js"></script>
</body>
</html>
```

Backend Code:

db.php

```
      <?php

$servername = "localhost";
$username = "root";
$password = "";
$dbname = "vms";

// Create connection
$conn = new mysqli($servername, $username, $password, $dbname);

// Check connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}
```

login.php

```php
<?php
$insert = false;
if(isset($_POST['email'])){
    // Set connection variables
    $server = "localhost";
    $username = "root";
    $password = "";

    // Create a database connection
    $con = mysqli_connect($server, $username, $password);

    // Check for connection success
    if(!$con){
        die("connection to this database failed due to" .
mysqli_connect_error());
    }
    // echo "Success connecting to the db";

    // Collect post variables
    $email = $_POST['email'];
    $password = $_POST['password'];

    $sql = "INSERT INTO `vms`.`loginp` (`email`, `password`) VALUES
('$email', '$password');";
    // echo $sql;

    // Execute the query
    if($con->query($sql) == true){
        // echo "Successfully inserted";

        // Flag for successful insertion
        $insert = true;
        header("Location: obooking.html");
    exit();
    }
    else{
        echo "ERROR: $sql <br> $con->error";
    }

    // Close the database connection
    $con->close();
}
?>
```

reg.php

```php
<?php
$insert = false;
if(isset($_POST['email'])){
    // Set connection variables
    $server = "localhost";
    $username = "root";
    $password = "";

    // Create a database connection
    $con = mysqli_connect($server, $username, $password);

    // Check for connection success
    if(!$con){
        die("connection to this database failed due to" .
mysqli_connect_error());
    }
    // echo "Success connecting to the db";

    // Collect post variables
    $owner_name = $_POST['owner_name'];
    $email = $_POST['email'];
    $address = $_POST['address'];
    $ph_no = $_POST['ph_no'];
    $new_pass = $_POST['new_pass'];
    $pet_name = $_POST['pet_name'];
    $animal = $_POST['animal'];
    $pet_breed = $_POST['pet_breed'];
    $pet_gender = $_POST['pet_gender'];
    $pet_profile = $_POST['pet_profile'];
    $pet_age = $_POST['pet_age'];
    $pet_health_bio = $_POST['pet_health_bio'];

    $sql = "INSERT INTO `vms`.`reg` (`owner_name`, `email`,
`address`, `ph_no`, `new_pass`, `pet_name`, `animal`, `pet_breed`,
`pet_gender`, `pet_profile`, `pet_age`, `pet_health_bio`) VALUES
('$owner_name', '$email', '$address', '$ph_no', '$new_pass',
'$pet_name', '$animal', '$pet_breed', '$pet_gender', '$pet_profile',
'$pet_age', '$pet_health_bio')";
    // echo $sql;

    // Execute the query
    if($con->query($sql) == true){
        // echo "Successfully inserted";

        // Flag for successful insertion
```

```
        $insert = true;
    }
    else{
        echo "ERROR: $sql <br> $con->error";
    }

    // Close the database connection
    $con->close();
}
?>
```

admin_dashboard.php

```
      <?php
session_start();

// Check if the form is submitted
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    // Check login credentials (you may replace this with your
authentication logic)
    $adminname = $_POST["adminname"];
    $adminpass = $_POST["adminpass"];

    // Assuming the correct username and password are "admin"
    if ($adminname=== "SMRUTI" && $adminpass === "smruti123") {
        // Set session variables
        $_SESSION["admin_login"] = true;

        // Redirect to admin panel
        header("Location: admin_dashboard.php");
        exit();
    } else {
        // Redirect back to login page with error message
        header("Location: admin_login.php?error=1");
        exit();
    }
}

// If the session variable is not set, redirect back to login page
if (!isset($_SESSION["admin_login"])) {
    header("Location: admin_login.php");
    exit();
}
?>
<?php
```

```
    // Database connection
    $db_host = 'localhost'; // Database host
    $db_username = 'root'; // Database username
    $db_password = ''; // Database password
    $db_name = 'vms'; // Database name

    // Create connection
    $conn = new mysqli($db_host, $db_username, $db_password,
$db_name);

    // Check connection
    if ($conn->connect_error) {
        die("Connection failed: " . $conn->connect_error);
    }

    // Query to fetch users
    $sql_users = "SELECT * FROM users";
    $result_users = $conn->query($sql_users);

    // Query to fetch doctors
    $sql_doctors = "SELECT * FROM doctors";
    $result_doctors = $conn->query($sql_doctors);

     // Query to fetch appointmentss
     $sql_appointbook = "SELECT * FROM appointbook";
     $result_appointbook = $conn->query($sql_appointbook);


    // Calculate total users and doctors
    $total_users = $result_users->num_rows;
    $total_doctors = $result_doctors->num_rows;
    $total_appointbook = $result_appointbook->num_rows;

    ?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1.0">
    <title>Admin Dashboard</title>
    <style>
        /* CSS styles */
        .container {
            display: flex;
        }
```

```
        .sidebar {
            width: 250px;
            background-color: pink;
        }

        .sidebar h2 {
            padding: 20px;
        }

        .sidebar ul {
            list-style-type: none;
            padding: 0;
        }

        .sidebar ul li {
            padding: 10px 20px;
            font-size: 25px; /* Increase font size */
        font-weight: xx-large; /* Make text bold */

    }

        .sidebar ul li a {
            text-decoration:underline;
            color: darkred;
            font-weight: bold;
        }
        .sidebar ul li img {
    width: 25px; /* Adjust size as needed */
    height: 25px; /* Adjust size as needed */
    margin-right: 10px; /* Adjust spacing between icon and text */
}
        .main-content {
            flex-grow: 1;
            padding: 20px;
        }

        .info-box {
            background-color: papayawhip;
            border-radius: 10px;
            padding: 20px;
            margin-bottom: 20px;
            font-size: bold;
            color: black;
        }
        .info-box p {
        display: inline-block;
        border: 2px solid #4CAF50;
```

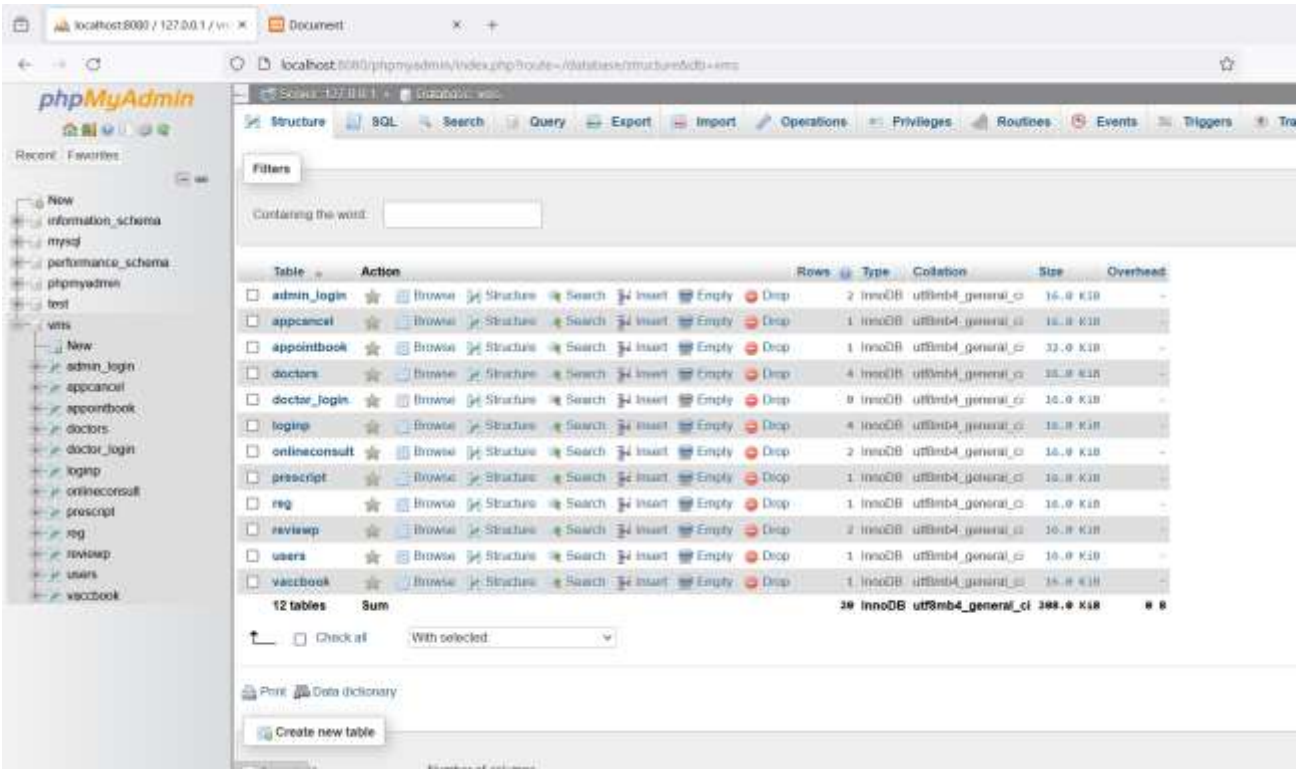
```
        padding: 20px;
        margin: 0 10px;
        border-radius: 10px;
        box-shadow: 0 4px 6px rgba(0, 0, 0, 0.1);
        font-weight: x-large; /* Make text bold */
        color: #333;
        font-size:30px;
        transition: all 0.3s ease-in-out;
        font-style:bold;

    }
    .info-box p:hover {
        transform: translateY(-5px);
        box-shadow: 0 8px 12px rgba(0, 0, 0, 0.1);
    }

    .total-users {
        background-color: pink; /* Light red */
        border: 2px solid #ff6666; /* Red */
    }
    .total-doctors {
        background-color: #99ccff; /* Light blue */
        border: 2px solid #6699ff; /* Blue */
    }
    .total-appointbook {
        background-color: #b3ffb3; /* Light green */
        border: 2px solid #00b300; /* Green */
    }

        .info-box h3 {
            margin-top: 0;
            font-size: 30px;
            font-family: 'Times New Roman', Times, serif;
            color: black;
            font-weight: xx-large;
        }

        .user-list {
            list-style-type: none;
            padding: 0;
        }

        .user-list li {
            margin-bottom: 10px;
        }

        .doctor-list {
```

```
            list-style-type: none;
            padding: 0;
        }

        .doctor-list li {
            margin-bottom: 10px;
        }

        .appointment-list {
            list-style-type: none;
            padding: 0;
        }

        .appointment-list li {
            margin-bottom: 10px;
        }
        .info-box .user-list li,
    .info-box .doctor-list li,
    .info-box .appointment-list li {
        font-size: 25px; /* Increase font size */
        font-weight: x-large; /* Make text bold */
    }
    h2{
        font-size: 30px; /* Increase font size */
        font-weight: x-large; /* Make text bold */
    }
    </style>
</head>
<body>
    <div class="container">
        <div class="sidebar">
            <h2>Admin Dashboard</h2>
            <ul>
                <li><a href="users.php"><img src="user_icon.png"
alt="User Icon">Users</a></li>
                <li><a href="doctors.php"><img src="doctor_icon.png"
alt="Doctor Icon">Veterinarians</a></li>
                <li><a href="appointments.php"><img
src="appoint_icon.png" alt="App Icon">Appointments</a></li>
                <li><a href="admin_logout.php"><img
src="logout_icon.png" alt="Logout Icon">Logout</a></li>
            </ul>
        </div>
        <div class="main-content">
            <div class="info-box">
                <h3>Total Users, Veterinarians, and
Appointments</h3>
```

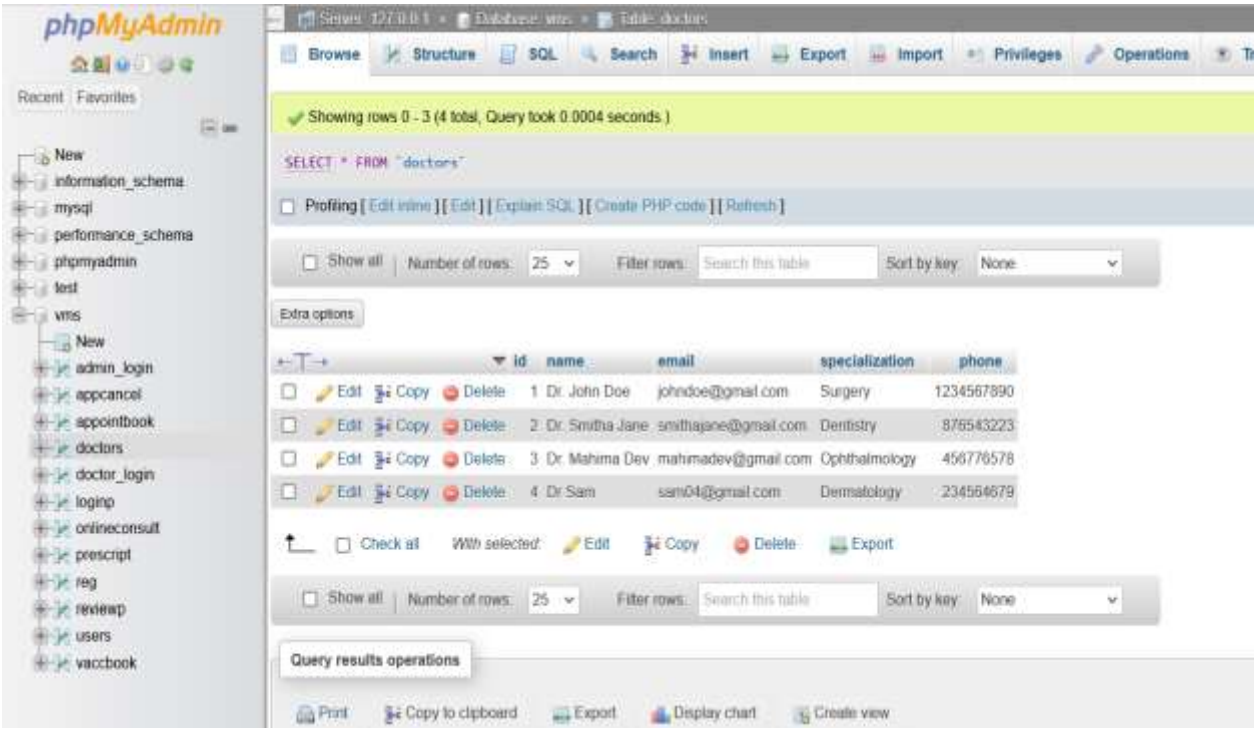
```
                <p class="total-users">Total Users: <?php echo
$total_users; ?></p>
                <p class="total-doctors">Total Veterinarians: <?php
echo $total_doctors; ?></p>
                <p class="total-appointbook">Total Appointments:
<?php echo $total_appointbook; ?></p>
            </div>

            <div class="info-box">
                <h3>User List</h3>
                <ul class="user-list">
                <?php
                    if ($result_users->num_rows > 0) {
                        while ($row = $result_users->fetch_assoc())
{
                            echo "<li>" . $row['id']. " - " .
$row['username'] . " - " . $row['email'] . "</li>";
                        }
                    } else {
                        echo "No users found.";
                    }
                    ?>
                </ul>
            </div>

            <div class="info-box">
                <h3>Veterinarians List</h3>
                <ul class="doctor-list">
                <?php
                    if ($result_doctors->num_rows > 0) {
                        while ($row = $result_doctors-
>fetch_assoc()) {
                            echo "<li>" . $row['name'] . " - " .
$row['email'] .  " - " . $row['specialization'] ."</li>";
                        }
                    } else {
                        echo "No doctors found.";
                    }
                    ?>
                </ul>
            </div>

            <div class="info-box">
                <h3>Appointments List</h3>
                <ul class="appointment-list">
                <?php
                    if ($result_appointbook->num_rows > 0) {
```

```
                        while ($row = $result_appointbook-
>fetch_assoc()) {
                            echo "<li>" . $row['id']. " - " .
$row['pet_name'] . " - " . $row['email'] ." - " . $row['owner_name']
."</li>";
                        }
                    } else {
                        echo "No users found.";
                    }
                    ?>
                </ul>
            </div>
            <!-- You can add more sections for doctors,
appointments, etc. -->

        </div>
    </div>
</body>
</html>
```

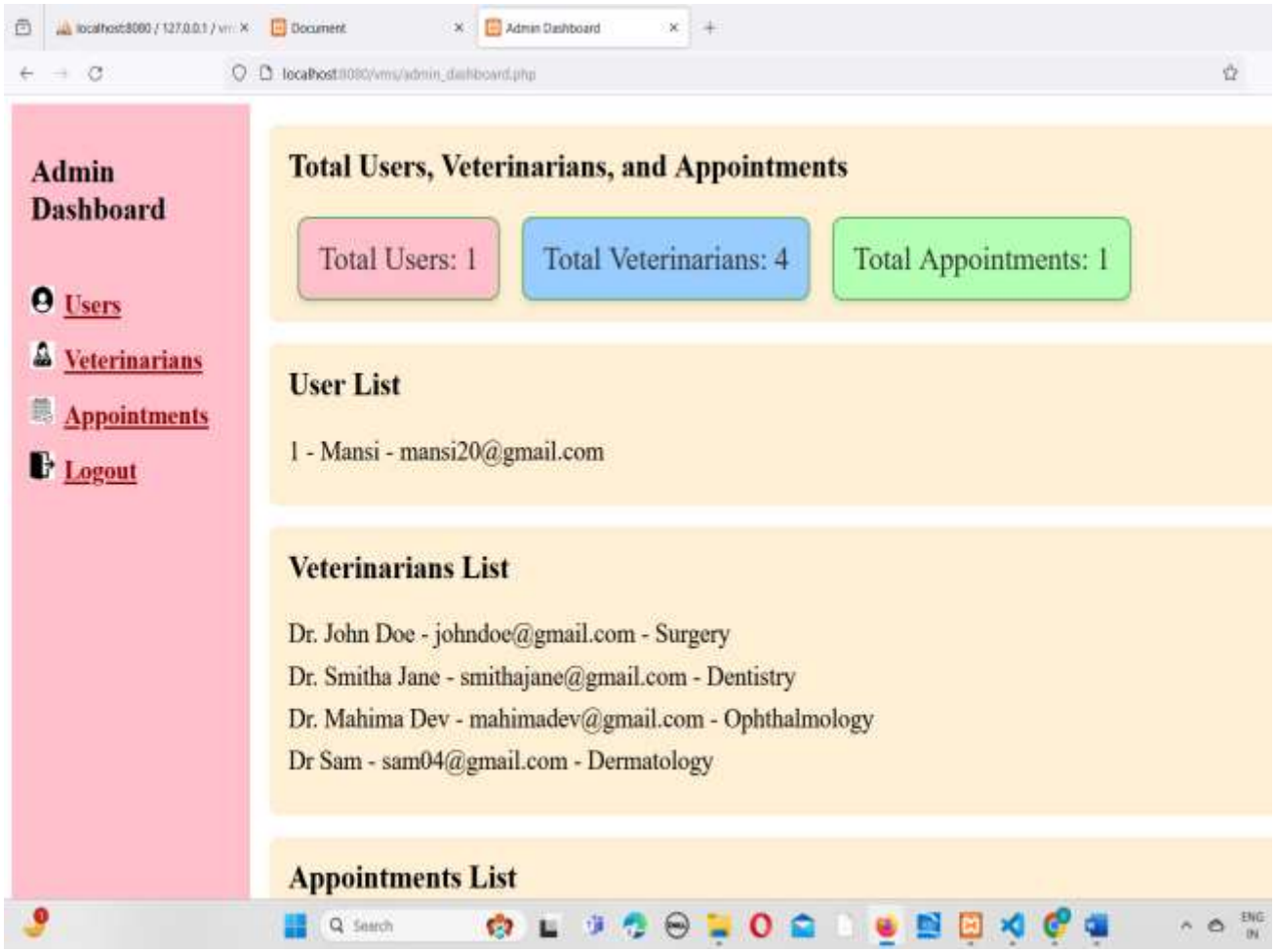
Backend Data in DB:



Doctors Data in DB:



Admin Dashboard:



5.3 TEST CASES

TEST CASES FOR LOGIN PAGE.

Test No	Test Case	Expected results	Pass/ Fail
1	Test with valid email address and valid password	Successful Login	Pass
2	Test with valid email address and blank password	Password can't be blank	Pass
3	Test with blank email address and blank password	Email can't be blank and Password can’t be blank.	Pass
4	Email address without @ symbol	Enter a valid email address	Pass
5	Test with blank email address and valid password	Email can’t be blank	Pass

TEST CASES FOR REGISTRATION PAGE.

Test No	Test Case	Expected results	Pass/ Fail
1	Test with valid details filled	Successful Login	Pass
2	Empty owner’s name with other details filled	Please fill out this field	Pass

TEST CASES FOR APPOINTMENT BOOKING:

Test No	Test Case	Expected results	Pass/ Fail
1	Test with appointment form filled properly	Successfully Booked	Pass
2	Any field remains empty in the form	Please fill out the details	Pass

TEST CASES FOR REVIEW PAGE:

Test No	Test Case	Expected results	Pass/ Fail
1	Do rating and a review in review page.	Pop up message box will come up with all the details wriiten in the form	Pass
2	Some box remains empty to fill	Pop up message will come up but only of the details field in	Pass

CHAPTER 6: CONCLUSIONS

6.1 CONCLUSION

The Veterinary Management System website serves as a valuable hub of information for both pet owners and veterinary clinic staff alike. Its user-friendly interface caters to the needs of pet owners, allowing them to conveniently schedule appointments, online consultation form, vaccination booking, and book grooming services online. By offering these features, pet owners can effortlessly manage their pet's healthcare needs from the comfort of their own home.

This project is poised to revolutionize the veterinary industry by streamlining the appointment process, vaccination process, eliminating the need for time-consuming phone calls or in-person visits. With just a few clicks, pet owners can efficiently book services, saving them precious time, energy, and money. Pet Owner;s can fill the consult form and they will get a call from the staff and can provide and suggest medicines for there pet on video call or call.

Furthermore, the website acts as a pivotal communication channel between clients and veterinary management staff.It provide owners to view the service's on the website's service's page, Ensuring pet owners stay informed about any recent activities or important information related to their pets' care.

In essence, the Veterinary Management System website not only enhances the convenience and efficiency of managing pet healthcare but also fosters a stronger connection between pet owners and veterinary clinics, ultimately promoting the well-being of our beloved animal companions.

6.2 REFERENCES

- https://www.vetport.com/what-is-veterinary-practice-management software#:~:text=Veterinary%20practice%20management%20software%20is,day%20jobs%20of%20Veterinary%20operations.
- https://www.g2.com/categories/veterinary-practice-management
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- https://youtu.be/vAF6_RTqmZk?si=Qzds2E23ZbE3Xjih
- https://youtu.be/CgCPP2KO5ds?si=I6fGDk8TrCNPueWQ
- https://www.w3schools.com/w3css/defaulT.asp
- https://www.w3schools.com/php/php_mysql_connect.asp