LAB REPORT

Submitted by

Vanshaj Barnwal [RA2011032010035]

Under the Guidance of

Mr. V Nallarasan

Professor, NWC

In partial satisfaction of the requirements for the degree of

BACHELOR OF TECHNOLOGY
in
COMPUTER SCIENCE ENGINEERING

with specialization in IoT

SCHOOL OF COMPUTING

COLLEGE OF ENGINEERING AND TECHNOLOGY

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

KATTANKULATHUR - 603203

JUNE 2022

SRM INSTITUTION OF SCIENCE AND TECHNOLOGY
KATTANKULATHUR-603203

BONAFIDE CERTIFICATE

Certified that this lab report titled "OVAS" is the bonafide work done by Vanshaj Barnwal RA2011032010035 who carried out the lab exercises under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form part of any other work.

SIGNATURE

Mr.V Nallarasan

SEPM – Course Faculty

Proffessor

Department of NWC

TABLE OF CONTENTS

ABSTRACT

OVAS is a web-based application that provides an online appointment platform for Veterinary Clinic's clients. This project manages the appointment requests of pet owners online. This allows the clients to book an appointment to desired dates if there's a slot available. It has a pleasant user interface and is easy to use.

Department of Networking and Communications

SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	1
Title of Experiment	To identify the Software Project, Create Business Case, Arrive at a Problem Statement
Name of the candidate	Vanshaj Barnwal
Team Members	Anushk Shubham
Register Number	RA2011032010035 RA2011032010056
Date of Experiment	17 /03/2022

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
	Total	**10**	

Staff Signature with date

Aim

To Frame a project team, analyse and identify a Software project. To create a business case and Arrive at a Problem Statement for the OVAS

Team Members:

S. No	Register No	Name	Role
1	RA2011032010035	Vanshaj Barnwal	Member
2	RA2011032010056	Anushk Shubham	Member

Project Title: OVAS

Project Description Logo:

ONE PAGE BUSINESS CASE TEMPLATE

DATE	17-03-2022
SUBMITTED BY	VANSHAJ BARNWAL, ANUSHK SHUBHAM
TITLE / ROLE	OVAS

THE PROJECT
In bullet points, describe the problem this project aims to solve or the opportunity it aims to develop.

- The system is going to reduce the implementation and maintenance costs and to make the system shareable with other veterinary hospitals or research centers without additional costs
- IHE (Integrating the Healthcare Enterprise) is designed to promote the integration of the information systems that support modern healthcare institutions.
- Its fundamental objective is to ensure that in the care of patients all required information for medical decisions is both correct and available to healthcare professionals.

THE HISTORY
In bullet points, describe the current situation.

Pet ownership is increasing, in large part due to the number of millennial pet owners. More pet owners as well as the advent of extensive veterinary care options have resulted in a substantial increase in veterinary care spending. Yet, regardless of client cohort or type of medical procedure performed, communication between clients and veterinarians continues to be a key component in patient care and client satisfaction.
Pet owners also reported wishing to receive medical updates more frequently than they currently experience, with 53.8% of participants reporting they would pay extra for this service.

LIMITATIONS

List what could prevent the success of the project, such as the need for expensive equipment, bad weather, lack of special training, etc.

The diagnostic capability of the veterinarians of the diagnostic sections and the veterinarians of the clinical sections;

The opportunity to carry out correct and efficient epidemiological research or general clinical research activities for the other hospital veterinarians.

APPROACH

List what is needed to complete the project.

The RAD (Rapid Application Development) model is based on prototyping and iterative development with no specific planning involved. The process of writing the software itself involves the planning required for developing the product.

Rapid Application Development focuses on gathering customer requirements through workshops or focus groups, early testing of the prototypes by the customer using iterative concepts, reuse of the existing prototypes (components), continuous integration and rapid delivery.

BENEFITS

In bullet points, list the benefits that this project will bring to the organization.

A veterinary management system is an effective tool for improving the level of a pet's healthcare, delivering better customer service and streamlining most of the associated tasks. Using such a system in your veterinary management provides a veterinarian with the opportunity to create a cutting-edge advantage for patients, owners and employees.

Result

Thus, the project team formed, the project is described, the business case was prepared and the problem statement was arrived.

DEPT. Of NWC

SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	2
Title of Experiment	*Identification of Project Methodology and Stakeholder Description template*
Name of the candidate	Vanshaj Barnwal
Team Members	Anushk Shubham
Register Number	RA2011032010035 RA2011032010056
Date of Experiment	9/04/2022

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
	Total	**10**	

Staff Signature with date

Aim

      To identify the appropriate Process Model for the project and prepare Stakeholder and User Description.

Team Members:

Sl No	Register No	Name	Role
1	RA2011032010035	Vanshaj Barnwal	Member
2	RA2011032010056	Anushk Shubham	Member

Project Title: OVAS

Team Members:

Sl No	Register No	Name	Role
1	RA2011032010056	Anushk Shubham	Project Manager, Company Owner, Creatives and Marketing head, Team member, Resource Manager
2	RA2011032010035	VANSHAJ BARNWAL	Project Manager, Company Owner, Creatives and Marketing head, Team member, Resource Manager
3		Nallarasan V	Mentor

Selection of Methodology

Rapid application development (RAD):

Rapid Application Development (RAD) is a form of agile software development methodology that prioritizes rapid prototype releases and iterations. Unlike the Waterfall method, RAD emphasizes the use of software and user feedback over strict planning and requirements recording.
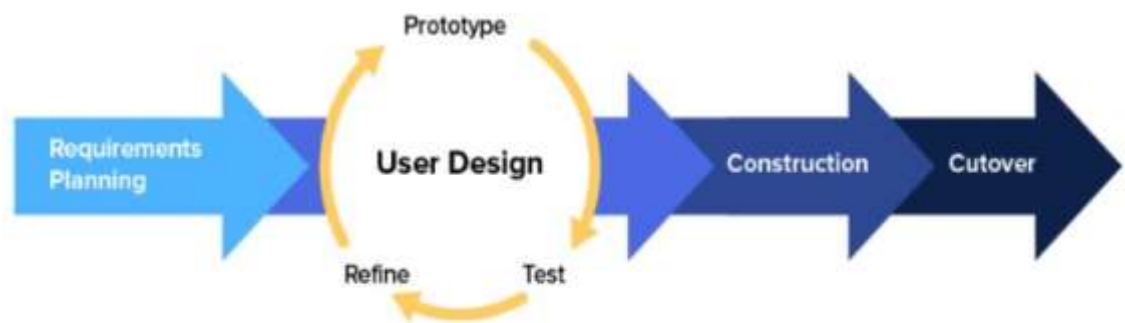
Incorporate *Identification of Project Methodology and Stakeholder Description template*

Stakeholder Name	Activity / Area / Phase	Interest	Influence	Priority
Creatives & marketing head	Promote the product	High	Medium	5
Project Manager	Manage the entire team and project	Medium	High	10
Frontend Developer	Work on developing the website	Medium	Medium	12
Company Owner	Inspire employees	High	High	3
Team Member	Development	Medium	Low	11
Executive Director	Manage executing the project	Low	Medium	8
Maintainer	Maintain the hosted website	Low	Low	4
Tester	Manage automated testing for code	Low	Low	6
Senior Management	Manage staff	Low	High	8
Strategic Management	Manage the project direction over revisions	High	High	7
Resource Manager	Allocate and allot resources to members	Low	Low	9
Mentor	Supervise and guide members to complete the project successfully	High	High	2
User	Use the application with ease	High	High	1

Result

Thus the Project Methodology was identified stakeholders were described.

Department Of Networking and Communications

SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J Course Name: Software Engineering and Project Management

Experiment No	3
Title of Experiment	System, Functional and Non-Functional Requirements of the Project
Name of the candidate	Vanshaj Barnwal
Team Members	Anushk Shubham
Register Number	RA2011032010035 RA2011032010056
Date of Experiment	30/03/2022

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
	Total	**10**	

Staff Signature with date

Aim

      To identify the system, functional and non-functional requirements for the project.

Team Members:

S No	Register No	Name	Role
1	RA2011032010035	Vanshaj Barnwal	Member
2	RA2011032010056	Anushk Shubham	Member

Project Title: OVAS

System Requirements

System Requirements: At least 3 systems with any of the following configurations

	Windows requirements	Mac requirements	Linux requirements
Operating system	Windows 8 or later	macOS Sierra 10.12 or later	64-bit Ubuntu 14.04+, Debian 8+, openSUSE 13.3+, or Fedora Linux 24+
Processor	Intel Pentium 4 or later	Intel	Intel Pentium 4 or later
Memory	2 GB minimum, 4 GB recommended		
Screen resolution	1280x1024 or larger		
Application window size	1024x680 or larger		
Internet connection	Required		

Functional Requirements

- Adding customer: the veterinary clinic system enables the staff to include new customers to the system.

- Record customer's basic data.

- Registration of pet details. search for a pet.

- Book a time for an appointment.

- View visit details.

- Remove medication or procedure from the application.

- Add medication or a procedure to application.

- update medication or procedure from the application.

- track the detailed information of pet, booking, appointment, medicine. doctors can view their patients' treatment records and details easily.

Non-Functional Requirements

- Flexibility: The system is convenient and flexible to be used.

- Availability: The system is available all the time.

- Usability: the system is easy to use by Staff.

- Maintainability: the system is easy to modify and maintain

Result

Thus the requirements were identified and accordingly described.

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SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	4
Title of Experiment	Prepare Project Plan based on scope, Calculate Project effort based on resources and Job roles and responsibilities
Name of the candidate	Vanshaj Barnwal
Team Members	Anushk Shubham
Register Number	RA2011032010035
	RA2011032010056
Date of Experiment	19/04/2022

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
	Total	**10**	

Staff Signature with date

Aim

To Prepare Project Plan based on scope, Calculate Project effort based on resources, Find Job roles and responsibilities

Team Members:

Sl No	Register No	Name	Role
1	RA2011032010035	Vanshaj Barnwal	Lead
2	RA2011032010056	Anushk Shubham	Member
			Member

1. Project Management Plan

Describe the key issues driving the project. **[Min 3 Focus Areas]**

Focus Area	Details
Integration Management	All project decisions must be made after weighing all of the benefits and drawbacks, and in the event of a disagreement, a vote must be conducted and the outcome must stand. Team roles and responsibilities: Project Manager Front end developer Back end developer
Communication Management	All vital details and information should be provided to the team's official group, along with a label indicating the message's urgency. All deadlines will be communicated and informed well in advance. The team will work with the customer for two months to oversee any bugs and provide assistance as needed
Stakeholder	Project manager, Front end developer, Back end developer Business analyst, Cost estimation, Tester

2. Estimation

2.1. Effort and Cost Estimation

Activity Description	Sub-Task	Sub-Task Description	Effort (in hours)	Cost in INR

Design the user screen	E1R1A1T1 (Effort-Requirement-Activity-Task)	Developing front end of the website	30	15000
	E1R1A1T2	Developing back end of the website	30	15000
	E1R1A1T3	Database	10	5000
Identify Data Source for displaying units of Energy Consumption	E1R1A1T4	Document	8	4000

Effort (hr)	Cost (INR)
1	500

2.2. Infrastructure/Resource Cost [CapEx]

< OneTime Infra requirements >

Infrastructure Requirement	Qty	Cost per qty	Cost per item
Hosting server	1	4000/month	4000
Hardware	3	50000	1.5lakh

2.3 Maintenance and Support Cost [OpEx]

Category	Details	Qty	Cost per qty per annum	Cost per item
People	Network, System, Middleware and DB admin Developer , Support Consultant	3	2,000,000	6,000,000
License	Operating System Database Middleware IDE	10	10000	100,000
Infrastructures	Server, Storage and Network	20	20000	400,000

3. Project Team Formation

3.1. Identification Team members

Name	Role	Responsibilities
Vanshaj	Key Business User	Provide clear business and user requirements
Vanshaj	Project Manager	Manage the project
Anushk	Business Analyst	Discuss and Document Requirements

Vanshaj	Technical Lead	Design the end-to-end architecture
Anushk	UX Designer	Design the user experience
Vanshaj	Frontend Developer	Develop user interface
Shruti	Backend Developer	Design, Develop and Unit Test Services/API/DB
Shruti	Cloud Operations	Provision required Services
Shruti	Tester	Define Test Cases and Perform Testing

3.2. Responsibility Assignment Matrix

RACI Matrix	Team Members			
Activity	Name (BA)	Name (Developer)	Name (Project Manager)	Key Business User
User Requirement Documentation	A Vanshaj Anushk	C/I	I	R
Front end Development	R	A	C	I
Backend Development	R	A	C	I
Testing	R	C	A	I
Database Management	I	C	R	C

A	Accountable
R	Responsible
C	Consult
I	Inform

Result:

Thus, the Project Plan was documented successfully.

Reference

1. https://www.pmi.org/
2. https://www.projectmanagement.com/
3. https://www.tpsgc-pwgsc.gc.ca/biens-property/sngp-npms/ti-it/ervcpgpm-dsfvpmpt-eng.html

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SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	5
Title of Experiment	Prepare Work breakdown structure, Timeline chart, Risk identification table
Name of the candidate	Vanshaj Barnwal
Team Members	Anushk Shubham
Register Number	RA2011032010035
	RA2011032010056
Date of Experiment	19/04/2022

Mark Split Up

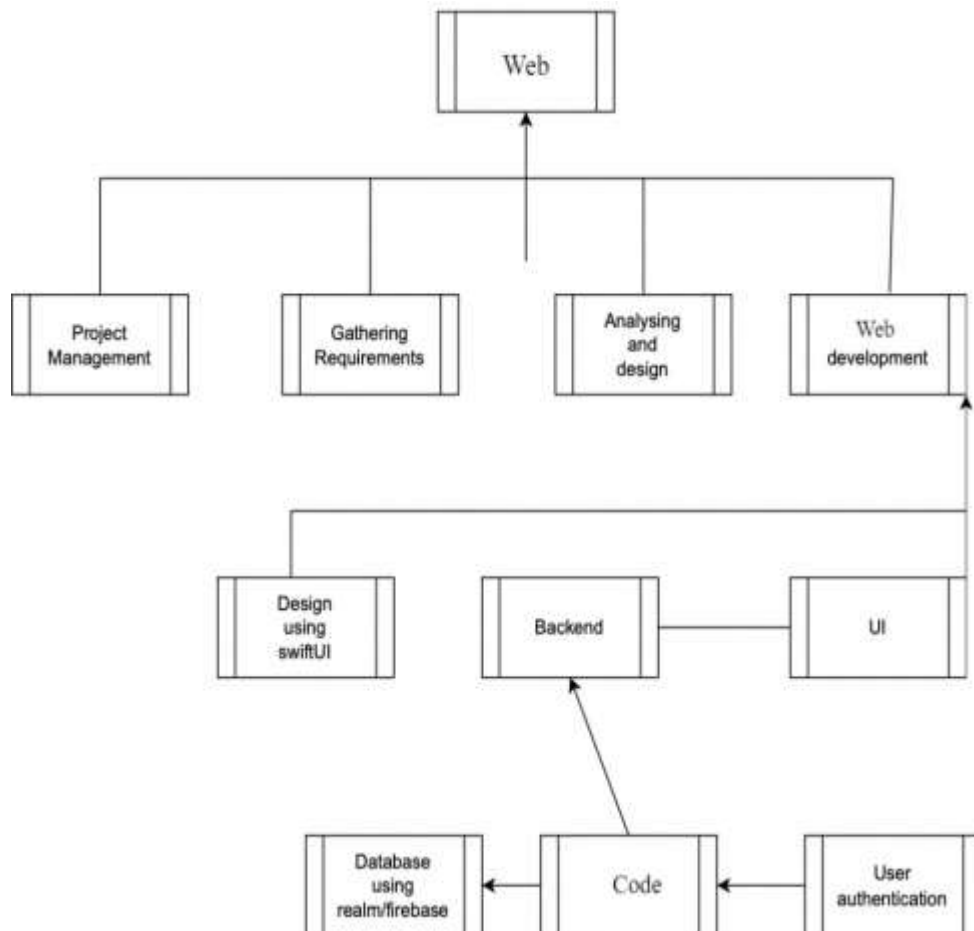| S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
	Total	**10**	

Staff Signature with date

Aim

To Prepare Work breakdown structure, Timeline chart and Risk identification table

Team Members:

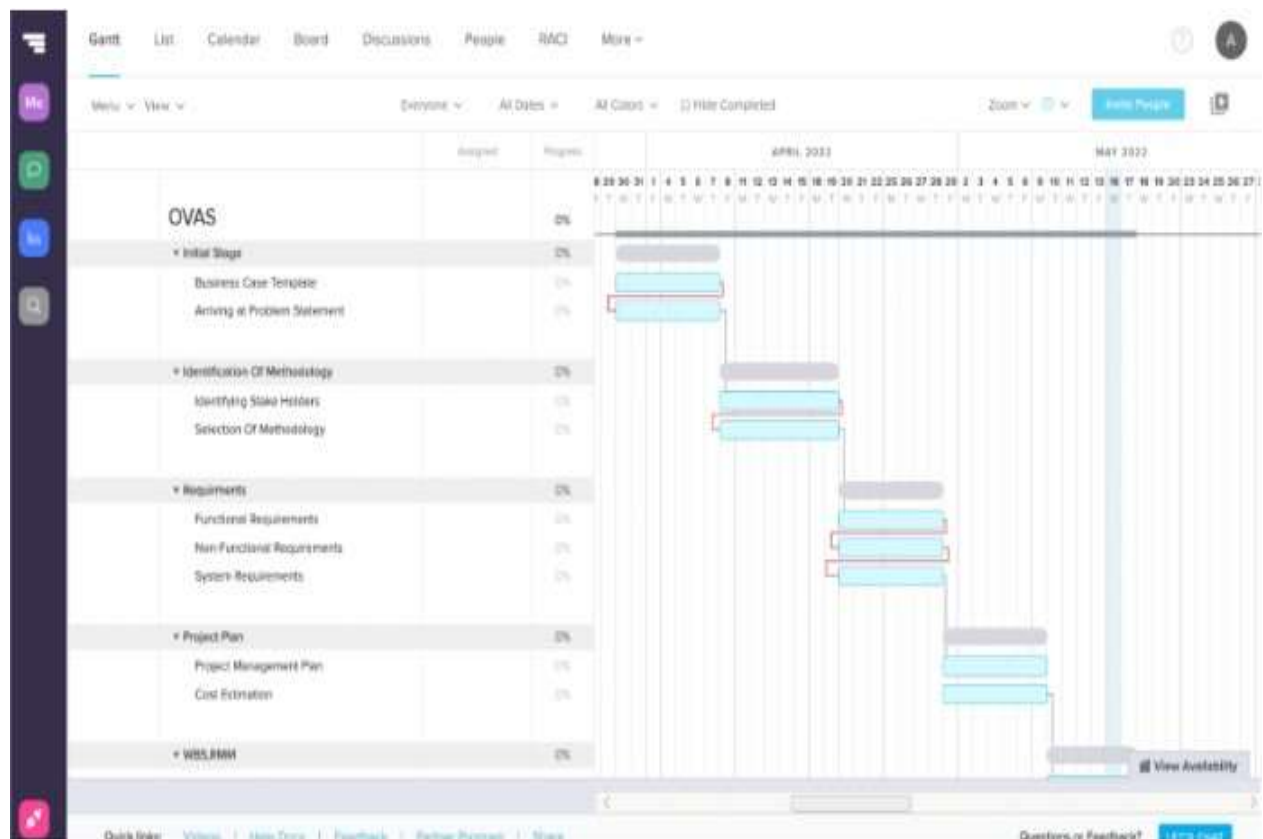| Sl No	Register No	Name	Role
1	RA2011032010035	Vanshaj Barnwal	Rep
2	RA2011032010056	Anushk Shubham	Member
3			Member

Work Breakdown Structure

0.0 Retail Web Site
1.0 Project Management
2.0 Requirements Gathering
3.0 Analysis & Design
4.0 Site Software Development
- ◦ 4.1 HTML Design and Creation
- ◦ 4.2 Backend Software
  - • 4.2.1 Database Implementation
  - • 4.2.2 Middleware Development
  - • 4.2.3 Security Subsystems
  - • 4.2.4 Catalog Engine
  - • 4.2.5 Transaction Processing
- ◦ 4.3 Graphics and Interface
- ◦ 4.4 Content Creation
5.0 Testing and Production

TIMELINE – GANTT CHART

RISK ANALYSIS – SWOT & RM

	Positive	Negative
Internal	**Strengths** - Disintermediation and automation - Immutability - Trust - Transparency - Privacy	**Weaknesses** - Operation costs - Creation of possible forks - Lack of flexibility - Need of greater capability of data storage on local servers
External	**Opportunities** - Greater collaboration among the operators of the healthcare system - Increase of the technological awareness and development of new expertise	**Threats** - Resistance to change - Lack of expertise - Lack of trust in the application of a new technology by healthcare workers

Risk Management Framework

RESPONSE	STRATEGY	EXAMPLES
AVOID	Risk avoidance is a strategy where the project team takes action to remove the threat of the risk or project from the impact	-Scope of work is poorly specified. -Running the site could become challenging. -Scope creep. -Latest curriculum
TRANSFER	Risk transference involves shifting or transferring the risk occurring. This dose not risk or potential impact, but rather reduces the likelihood of it becoming real.	-Time to Learn -Selecting the material -Unmet expectation -Lacking resource
MIGRATE	Risk migration is a strategy were by the project team takes an action to reduce the probability of the risk occurring. This dose not risk or potential impact, but rather the likelihood of it becoming real.	-Unstable workload. -Lack of developers -Working on feedbacks
ACCEPT	Risk acceptance means the team acknowledges the risk and its potential impact, but decides not to take any preemptive action to action to prevent it. It is dealt with only if it occurs.	-Updating material -Improving design -Making interface as easy as a user need.

Result:

Thus, the work breakdown structure with timeline chart and risk table were formulated successfully.

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SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	6
Title of Experiment	Design a System Architecture, Use Case and Class Diagram
Name of the candidate	Vanshaj Barnwal
Team Members	Anushk Shubham
Register Number	RA2011032010035 RA2011032010056
Date of Experiment	19/04/2022

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
	Total	**10**	

Aim

To Design a System Architecture, Use case and Class Diagram

Team Members:

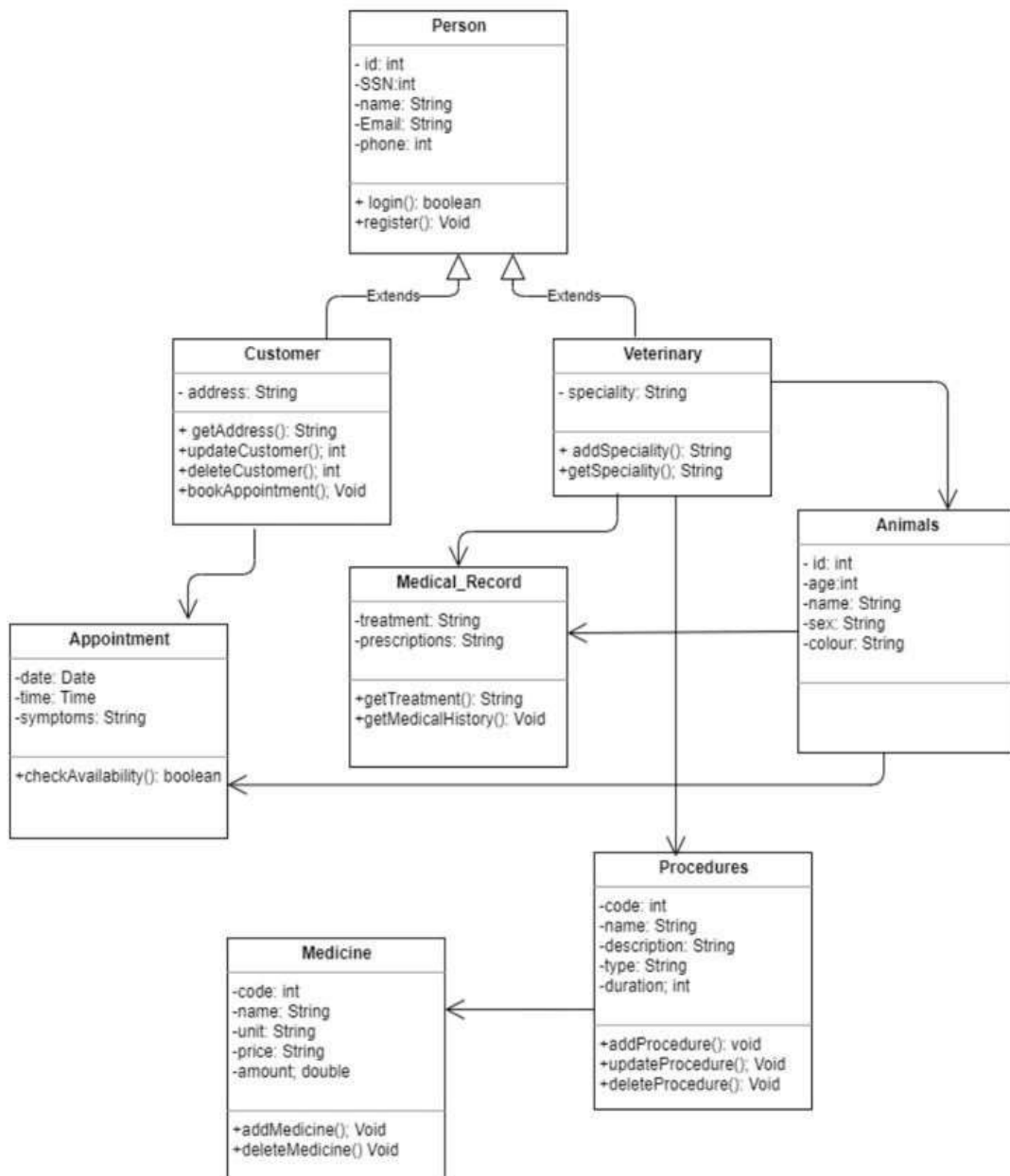| Sl No	Register No	Name	Role
1	RA2011032010035	Vanshaj Barnwal	Rep
2	RA2011032010056	Anushk Shubham	Member

System Architecture
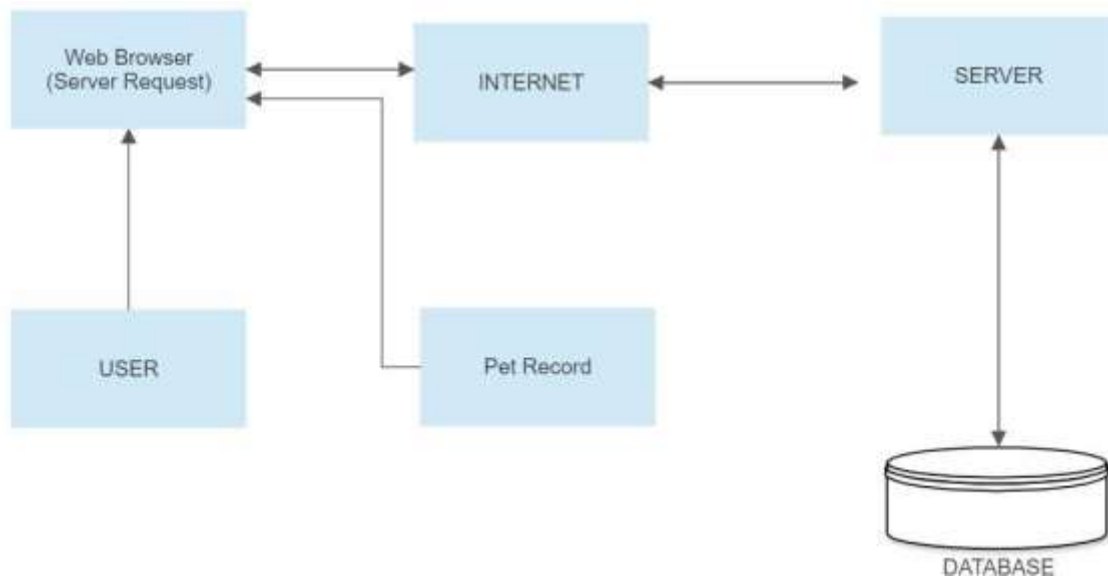
Use Case Diagram
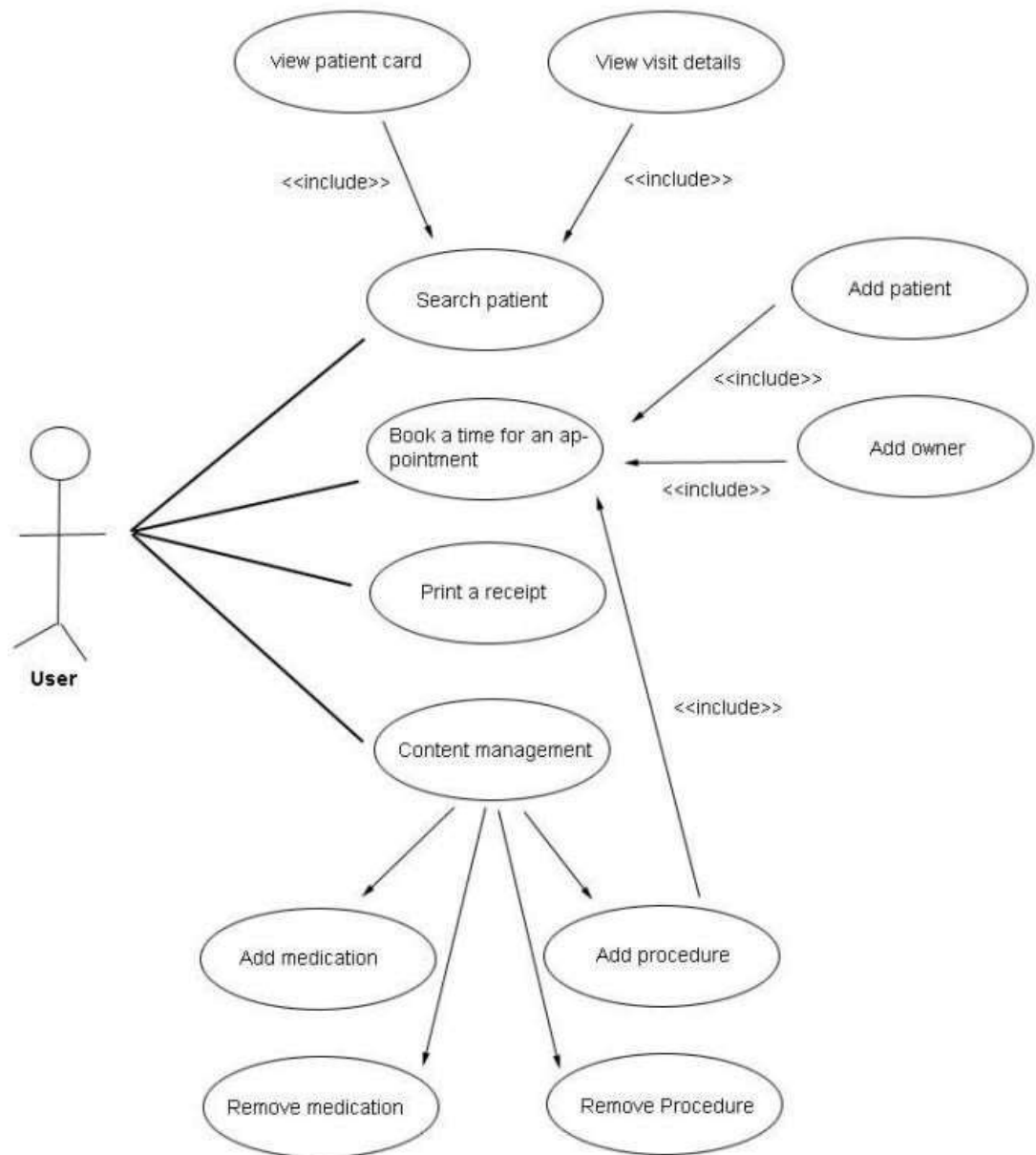
Class Diagram

Result:

Thus, the system architecture, use case and class diagram created successfully.

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SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	7
Title of Experiment	Design a Entity relationship diagram
Name of the candidate	Vanshaj Barnwal
Team Members	Anushk Shubham
Register Number	RA2011032010035 RA2011032010056
Date of Experiment	09/05/2022

Mark Split Up

S. No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
	Total	**10**	

Aim

      To create the Entity Relationship Diagram

Team Members:

S No	Register No	Name	Role
1	RA2011032010035	VANSHAJ BARNWAL	Member
2	RA2011032010056	ANUSHK SHUBHAM	Member

ER Diagram
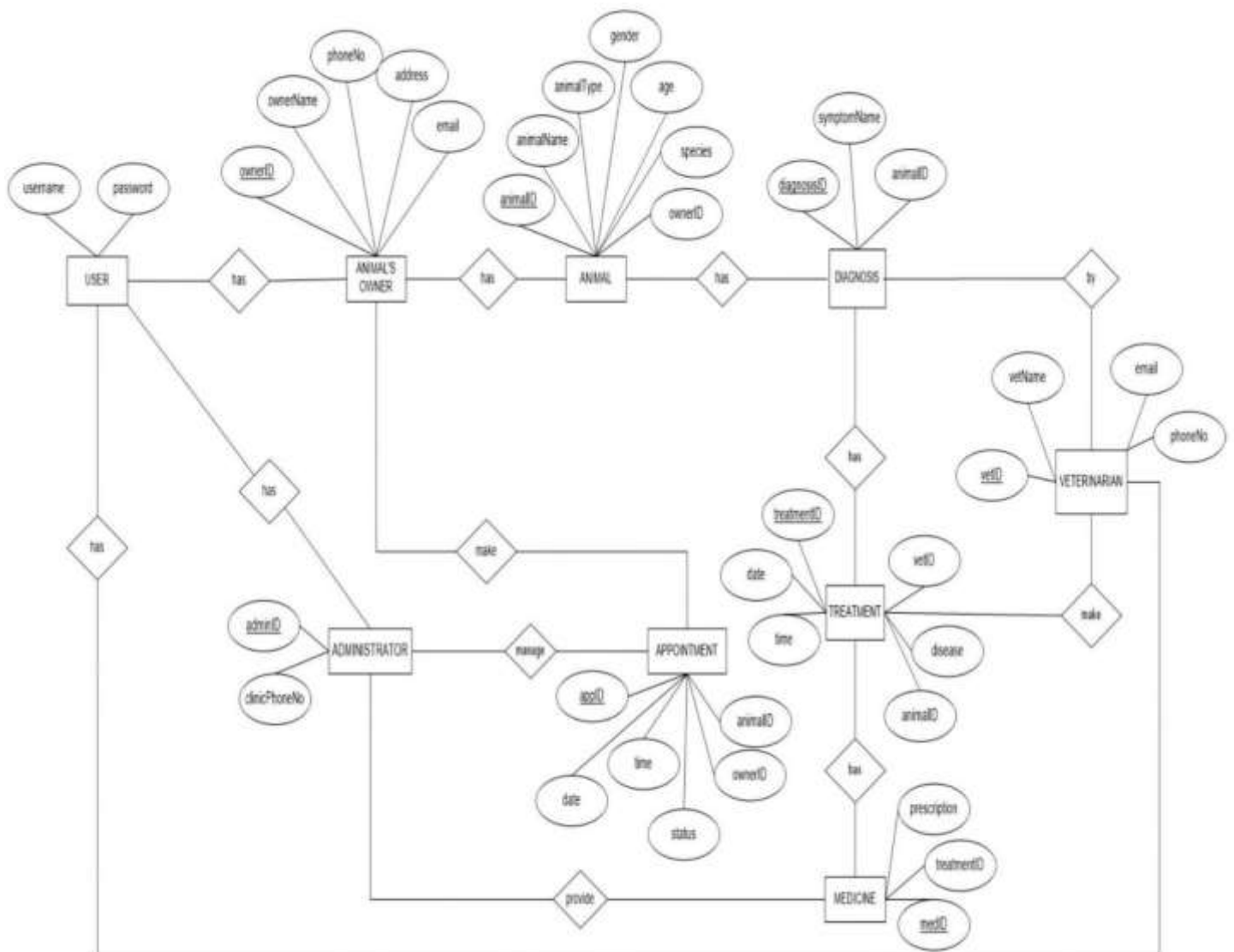
Result:

        Thus, the entity relationship diagram was created successfully.

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SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	8
Title of Experiment	Develop a Data Flow Diagram (Process-Up to Level 1)
Name of the candidate	Vanshaj Barnwal
Team Members	Anushk Shubham
Register Number	RA2011032010035 RA2011032010056
Date of Experiment	09/05/2022

Mark Split Up

S. No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
	Total	**10**	

Staff Signature with date

Aim

To develop the data flow diagram up to level 1 for the Veterinary Clinic System
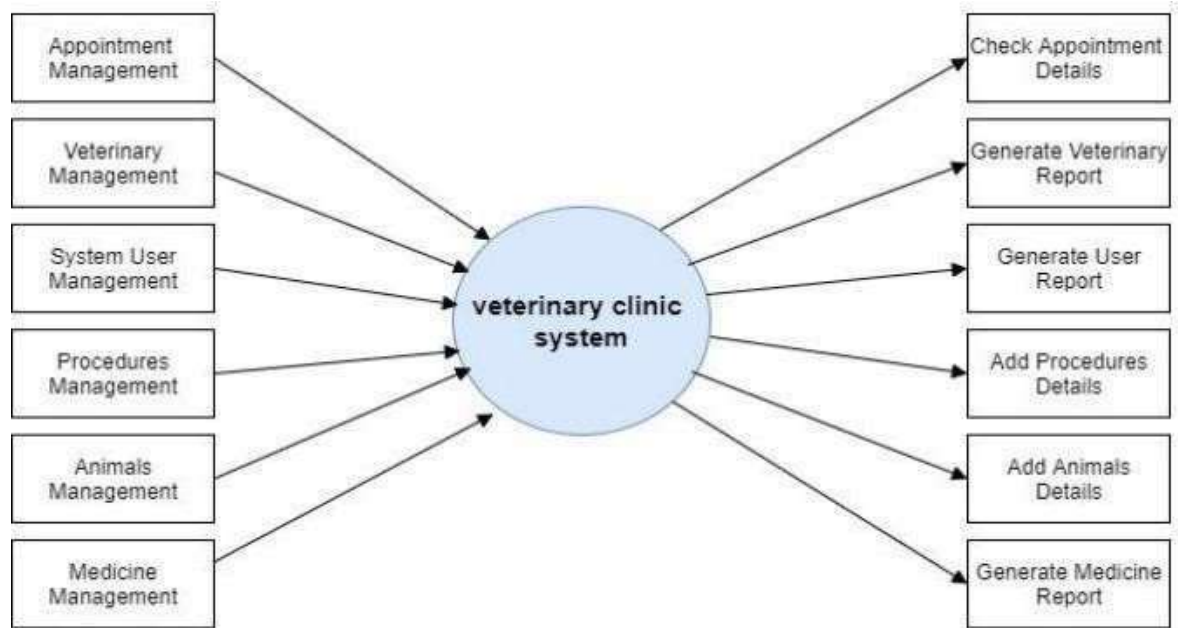
Team Members:

S No	Register No	Name	Role
1	RA2011032010035	VANSHAJ BARNWAL	Member
2	RA2011032010056	ANUSHK SHUBHAM	Member

Data Flow Diagram

DFD Level 0

DFD Level 1

Result:

      Thus, the data flow diagrams have been created for the Veterinary Clinic System.

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SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	9
Title of Experiment	Design a Sequence and Collaboration Diagram
Name of the candidate	Vanshaj Barnwal
Team Members	Anushk Shubham
Register Number	RA2011032010035
	RA2011032010056
Date of Experiment	12/05/2022

Mark Split Up

S. No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
	Total	**10**	

Staff Signature with date

Aim
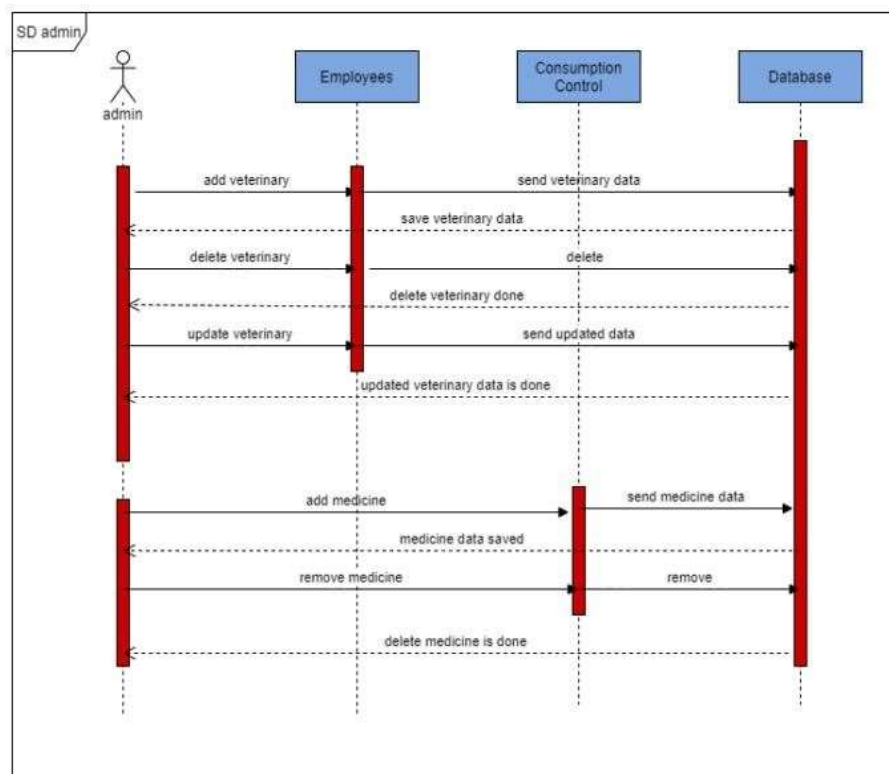
To create the sequence and collaboration diagram for the Veterinary Clinic System

Team Members:

S No	Register No	Name	Role
1	RA2011032010035	VANSHAJ BARNWAL	Rep/Member
2	RA2011032010056	ANUSHK SHUBHAM	Member
			Member

Sequence Diagram

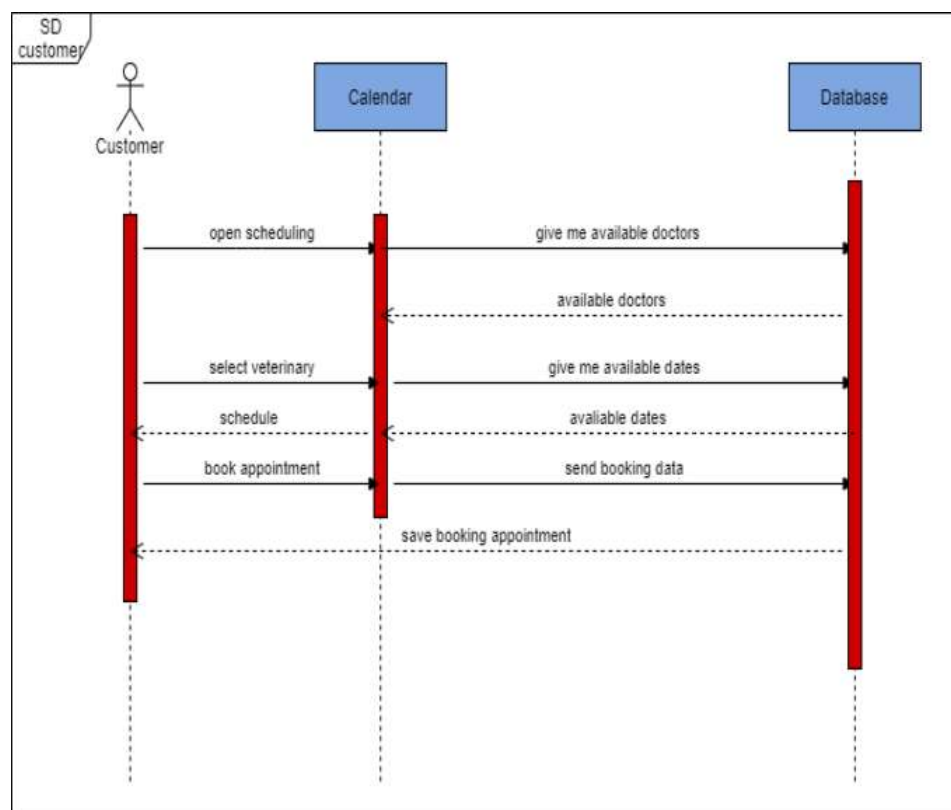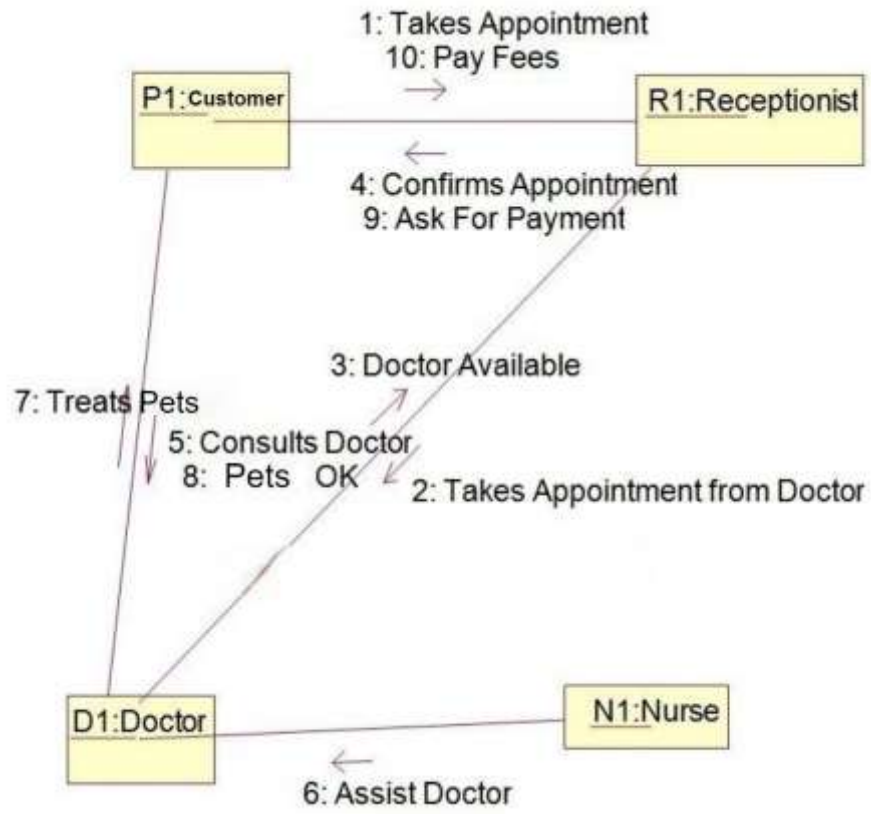Admin sequence diagram

Veterinary sequence diagram
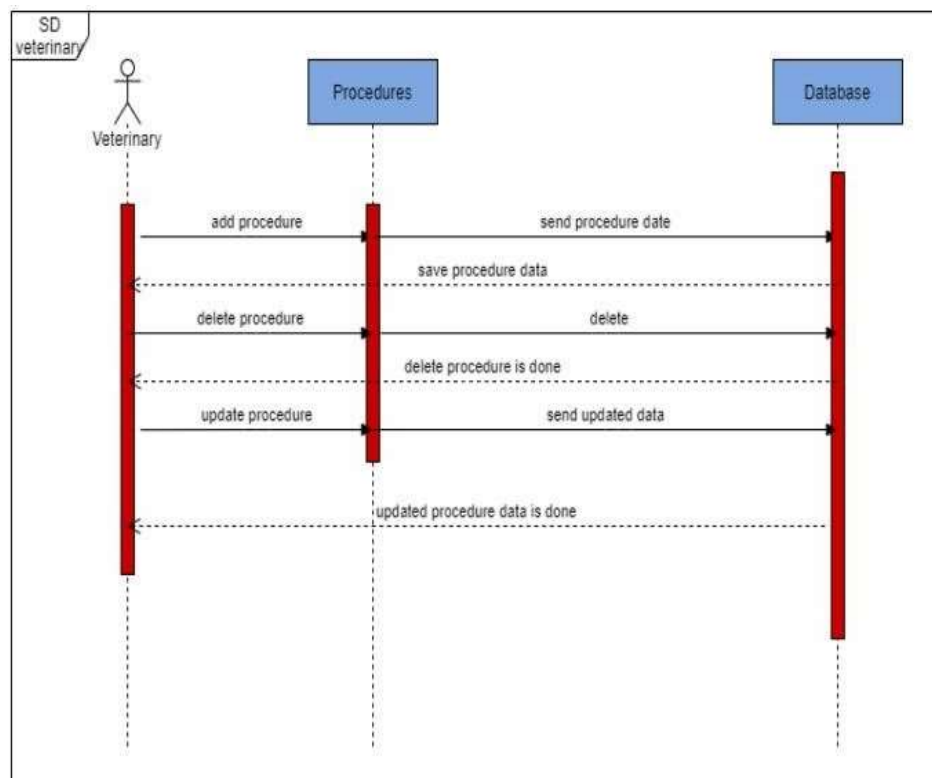
Customer sequence diagram

Collaboration Diagram

Result:

Thus, the sequence and collaboration diagrams were created for the Veterinary Clinic System .

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SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	10
Title of Experiment	Develop a Testing Framework/User Interface
Name of the candidate	Vanshaj Barnwal
Team Members	Anushk Shubham
Register Number	RA2011032010035 RA2011032010056
Date of Experiment	23/06/2022

Mark Split Up

S. No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
	Total	**10**	

Staff Signature with date

Aim

To develop the testing framework and/or user interface framework for the OVAS

Team Members:

S No	Register No	Name	Role
1	RA2011032010035	Vanshaj Barnwal	Member
2	RA2011032010056	Anushk Shubham	Member

Home Page

Appointment Availability Calendar
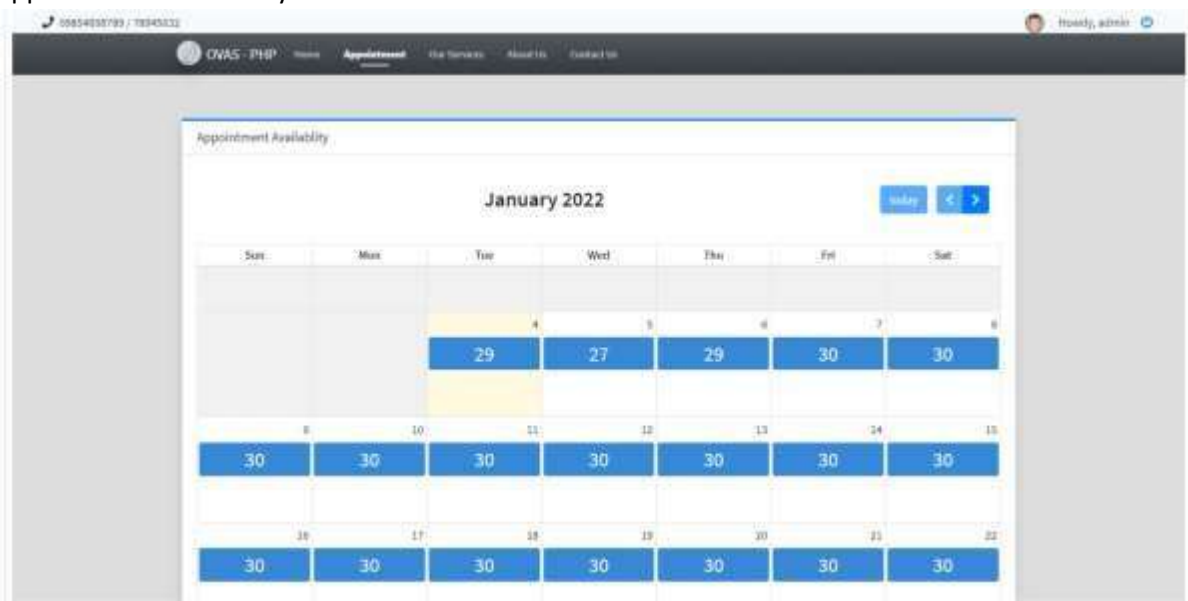
Appointment Form Modal

Dashboard Page

Appointment Requests View Page

Types of Testing, Methodology, Tools

Category	Methodology	Tools Required
Functional Requirements	Manual	Word Template
Non Functional Testing	Manual	Word Template

Result:

Thus, the testing framework/user interface framework has been created for the OVAS.

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SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	11
Title of Experiment	Test Cases
Name of the candidate	Vanshaj Barnwal
Team Members	Anushk Shubham
Register Number	RA2011032010035 RA2011032010056
Date of Experiment	30/06/22

Mark Split Up

S. No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
	Total	**10**	

Staff Signature with date

Aim

To develop the test cases manual for the OVAS.

Team Members:

S No	Register No	Name	Role
1	RA2011032010035	Vanshaj Barnwal	Member
2	RA2011032010056	Anushk Shubham	Member

Test Case

Functional Test Cases

Test ID (#)	Test Scenario	Test Case	Execution Steps	Expected Outcome	Actual Outcome	Status	Remarks
1	Verify Successful Login	Login with registered username and password	1. Click on the Login/Signup option in the homepage 2. User enters their username and password 3. Click on Login button.	User will be able to see their profile	User will be redirected to the home page upon successful login.	Pass	Success
2	Manage Appointment	User select "Make Appointment" to book an appointment	1. Click on add Appointment. 2. User insert their appointment details	User will be able to to see appointment details.	System displayed appointment details.	Pass	Success
3	Add Disease	User select "Add Disease" to add new disease	User insert the disease details by choose the animal type and tick their symptom for new the disease	User select "Display List Disease" to view list disease and then the list appears.	System displayed the list of disease	Pass	Success

4	Treatment Report	Admin select "Treatment Report"	Admin need to choose animal type in a dropdown menu.	System should show the treatment report	The system shows all the treatment details based on animal type	Pass	Success

Non-Functional Test Cases

Test ID (#)	Test Scenario	Test Case	Execution Steps	Expected Outcome	Actual Outcome	Status	Remarks
1	Capacity	Signing up for a new account	1.Login 2.Access to Home Page	Access to website features	Access to personalized transaction log	Pass	Success
2	Security	Unauthorized Access	1.Accessing user account using account link without login privileges	Should redirect to login page	Redirect to login page	Pass	Success
3	Reliability	Access to data 24x7	1.Login with user account in separate intervals	Successful Login	Successful Login	Pass	Success
4	Accuracy	Accurate transaction details	1.Login 2.Monitor the transaction log and pie charts for every individual transaction	Proper tracking of transactions	Accurate monitoring of transaction	Pass	Success

Result:

Thus, the test case manual has been created for the OVAS

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SRM IST, Kattankulathur – 603 203

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	12
Title of Experiment	Manual Test Case Reporting
Name of the candidate	Vanshaj Barnwal
Team Members	Anushk Shubham
Register Number	RA2011032010035 RA2011032010056
Date of Experiment	02/06/2022

Mark Split Up

S. No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
	Total	**10**	

Staff Signature with date

Aim

To prepare the manual test case report for the OVAS

Team Members:

S No	Register No	Name	Role
1	Vanshaj Barnwal	RA2011032010035	Rep/Member
2	Anushk Shubham	RA2011032010056	Member

Functional Module	Submodule	Module ID	Test Case Coverage	Status
Authentication	Login	A01	50%	In Progress
	Signup	A02	100%	Completed
Manage Transactions	Appointment	B01	50%	In Progress
	Service	B02	100%	Completed
	Report	B03	50%	In Progress
Administrator	Manage	C01	100%	Completed

Non-Functional Module	Module ID	Test Case Coverage	Status
Accuracy	**NFA01**	**100%**	**Completed**
Scalability	**NFA02**	**100%**	**Completed**
Reliability	**NFA03**	**100%**	**Completed**

Result:

    Thus, the test case report has been created for the OVAS.

Course Code: 18CSC206J

Course Name: Software Engineering and Project Management

Experiment No	13
Title of Experiment	Provide the details of Architecture Design/Framework/Implementation
Name of the candidate	Vanshaj Barnwal
Team Members	Anushk Shubham
Register Numbers	RA2011032010035 RA2011032010056
Date of Experiment	02/06/2022

Mark Split Up

S. No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
	Total	**10**	

Staff Signature with date

Aim

To provide the details of architectural design/framework/implementation

Team Members:

S No	Register No	Name	Role
1	RA2011032010035	Vanshaj Barnwal	Rep/Member
2	RA2011032010056	Anushk Shubham	Member

Architechture:
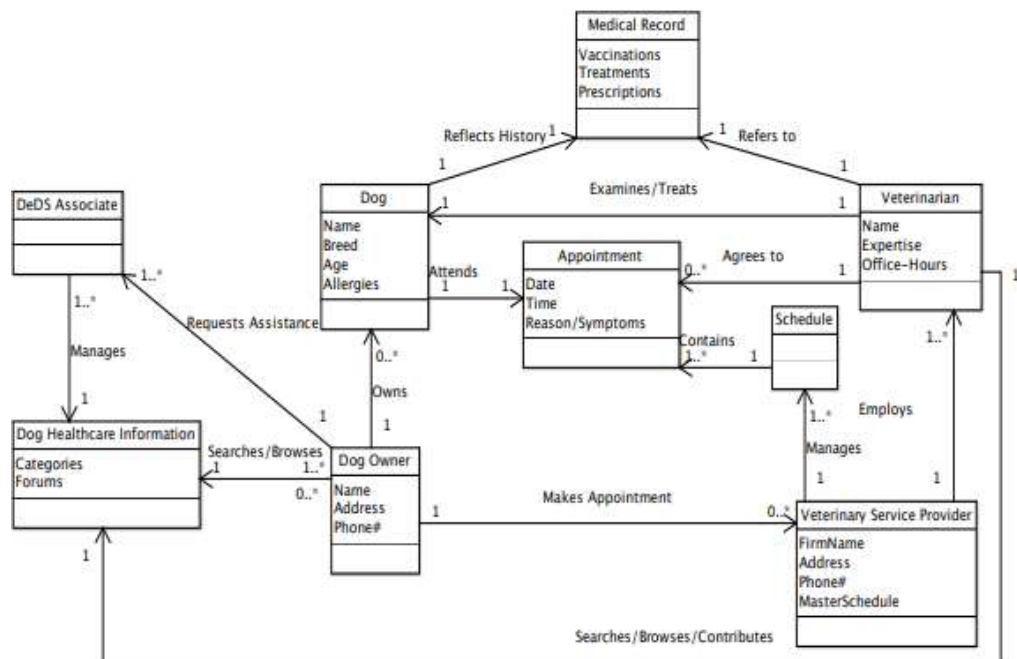
Implementation:
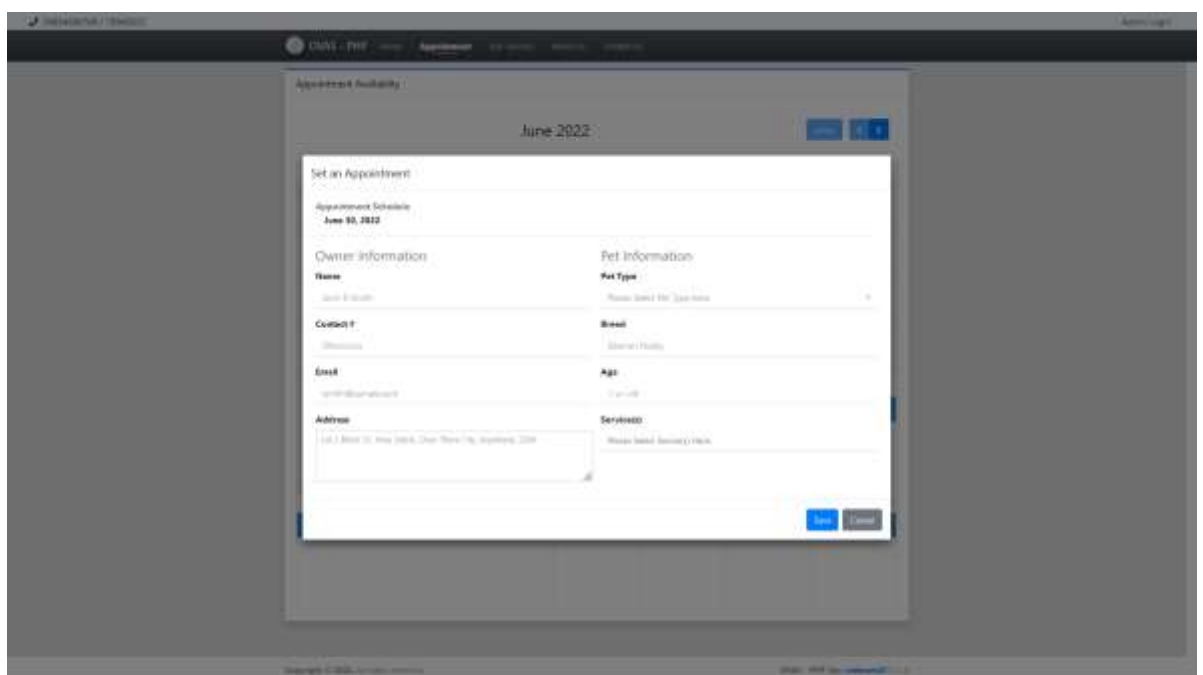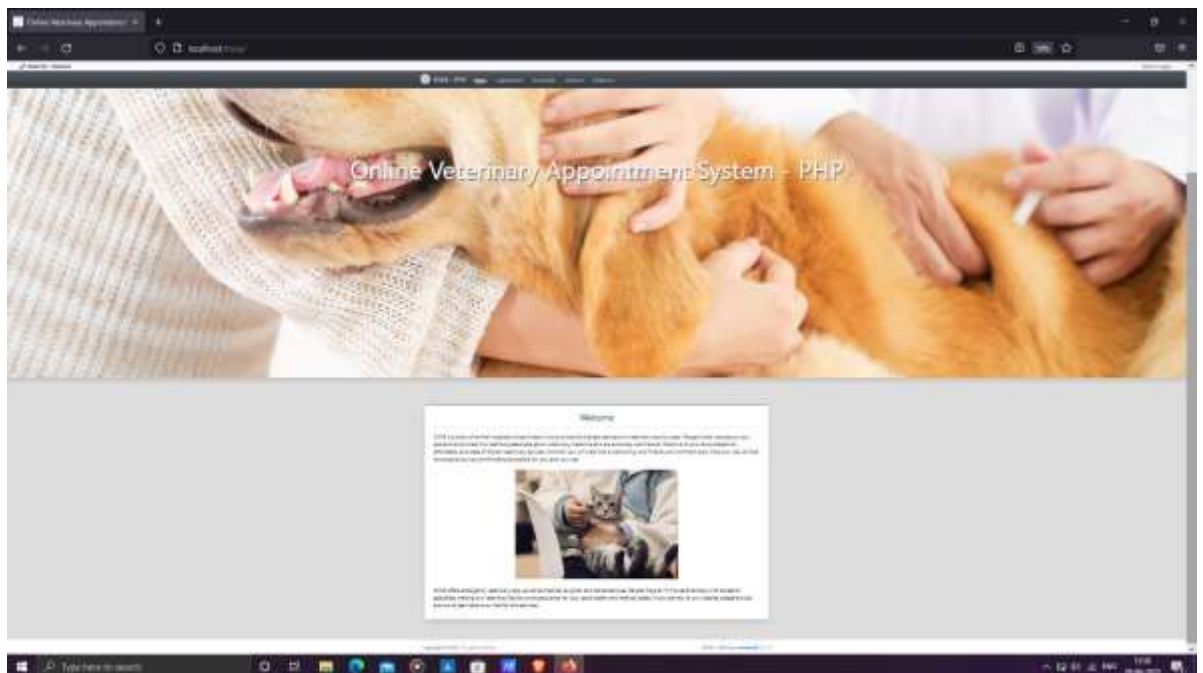
```
<!DOCTYPE html>
<html lang="en" class="" style="height: auto;">
<style>
 #header{
 height:70vh;
  width:calc(100%);
  position:relative;
  top:-1em;
 }
 #header:before{
  content:"";
```

```css
    position:absolute;
    height:calc(100%);
    width:calc(100%);
    background-image:url(http://localhost/ovas/uploads/cover-1641262651.png);
    background-size:cover;
    background-repeat:no-repeat;
    background-position: center center;
}
#header>div{
    position:absolute;
    height:calc(100%);
    width:calc(100%);
    z-index:2;
}

#top-Nav a.nav-link.active {
    color: #f8f9fa;
    font-weight: 900;
    position: relative;
}
#top-Nav a.nav-link.active:before {
    content: "";
    position: absolute;
    border-bottom: 2px solid #f8f9fa;
    width: 33.33%;
    left: 33.33%;
    bottom: 0;
}
</style>
<head>
 <style>
  :root{
    --bg-img:url('http://localhost/ovas/uploads/cover-1641262651.png');
  }
 </style>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
        <title>Online Veterinary Appointment System - PHP</title>
  <link rel="icon" href="http://localhost/ovas/uploads/logo-1641262650.png" />
  <!-- Google Font: Source Sans Pro -->
                                            <!--        <link        rel="stylesheet"
href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,400i,700&amp;display=fall
back"> -->
        <!-- Font Awesome -->
                                                     <link            rel="stylesheet"
href="http://localhost/ovas/plugins/fontawesome-free/css/all.min.css">
        <!-- Ionicons -->
                                            <!--        <link        rel="stylesheet"
href="https://code.ionicframework.com/ionicons/2.0.1/css/ionicons.min.css"> -->
        <!-- Tempusdominus Bootstrap 4 -->
```
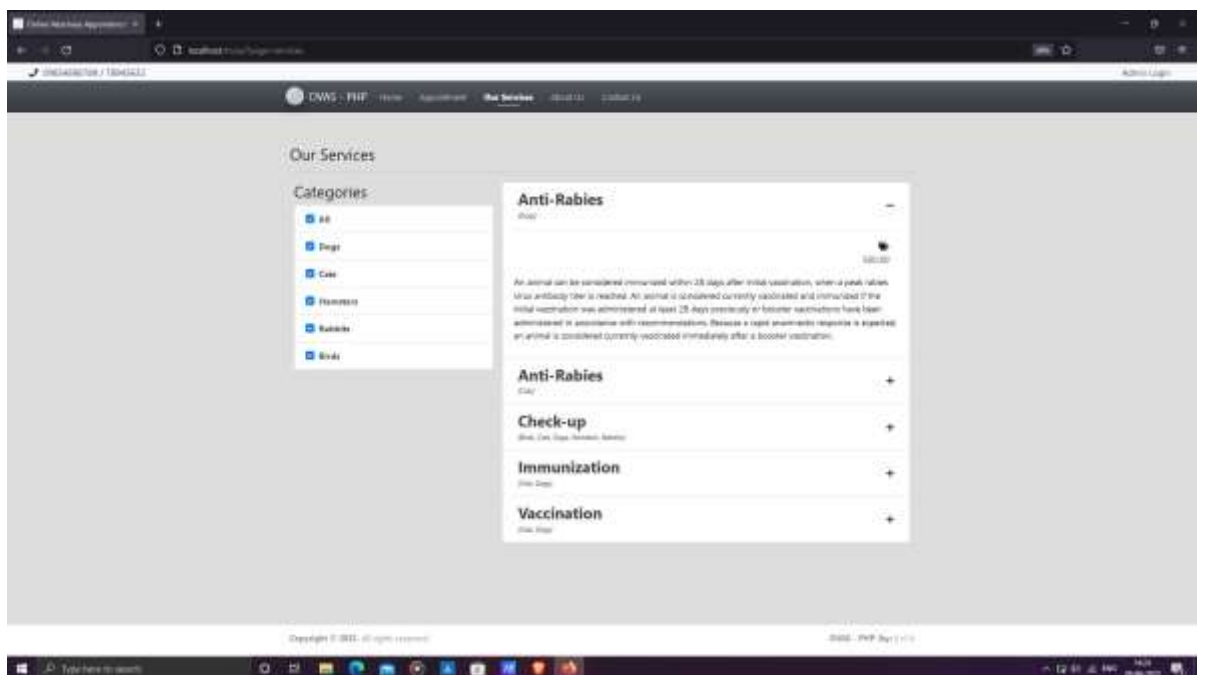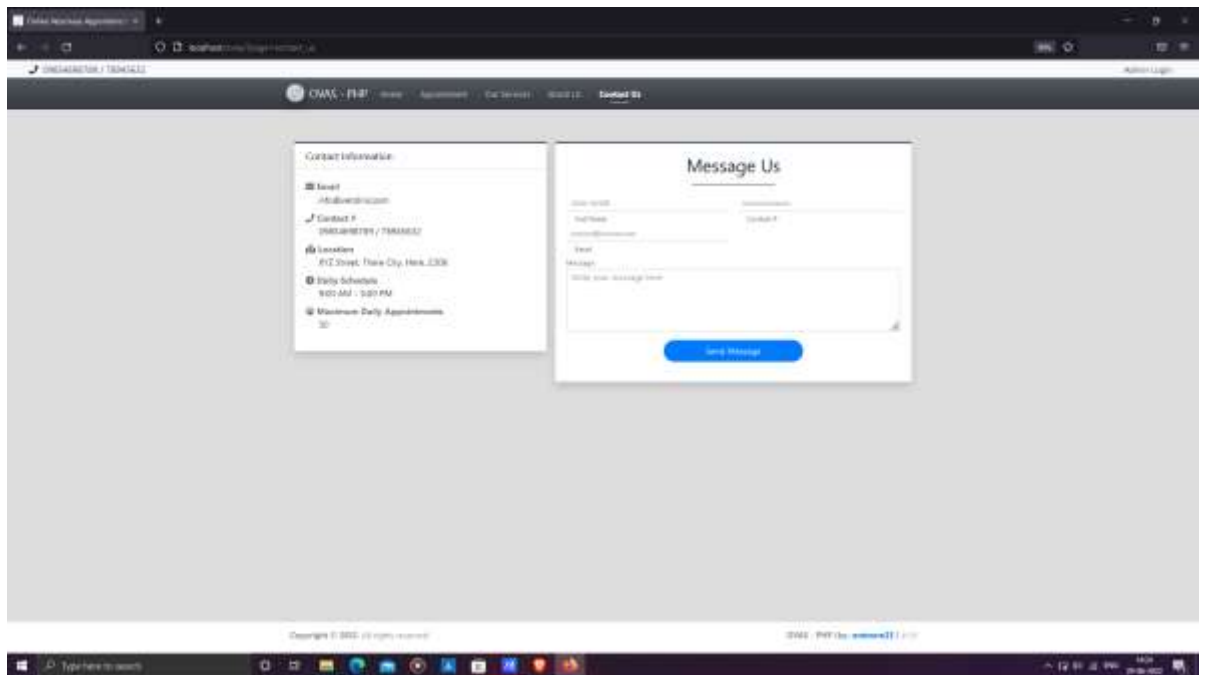
```html
        <link            rel="stylesheet"
href="http://localhost/ovas/plugins/tempusdominus-bootstrap-4/css/tempusdominus-bootstrap-4.
min.css">
        <!-- DataTables -->
                                    <link                rel="stylesheet"
href="http://localhost/ovas/plugins/datatables-bs4/css/dataTables.bootstrap4.min.css">
                                    <link                rel="stylesheet"
href="http://localhost/ovas/plugins/datatables-responsive/css/responsive.bootstrap4.min.css">
                                    <link                rel="stylesheet"
href="http://localhost/ovas/plugins/datatables-buttons/css/buttons.bootstrap4.min.css">
        <!-- Select2 -->
        <link rel="stylesheet" href="http://localhost/ovas/plugins/select2/css/select2.min.css">
                                    <link                rel="stylesheet"
href="http://localhost/ovas/plugins/select2-bootstrap4-theme/select2-bootstrap4.min.css">
        <!-- iCheck -->
                                    <link                rel="stylesheet"
href="http://localhost/ovas/plugins/icheck-bootstrap/icheck-bootstrap.min.css">
        <!-- JQVMap -->
        <link rel="stylesheet" href="http://localhost/ovas/plugins/jqvmap/jqvmap.min.css">
        <!-- fullCalendar -->
        <link rel="stylesheet" href="http://localhost/ovas/plugins/fullcalendar/main.css">
        <!-- Theme style -->
        <link rel="stylesheet" href="http://localhost/ovas/dist/css/adminlte.css">
        <link rel="stylesheet" href="http://localhost/ovas/dist/css/custom.css">
        <link rel="stylesheet" href="http://localhost/ovas/assets/css/styles.css">
        <!-- overlayScrollbars -->
                                    <link                rel="stylesheet"
href="http://localhost/ovas/plugins/overlayScrollbars/css/OverlayScrollbars.min.css">
        <!-- Daterange picker -->
                                    <link                rel="stylesheet"
href="http://localhost/ovas/plugins/daterangepicker/daterangepicker.css">
        <!-- summernote -->
                                    <link                rel="stylesheet"
href="http://localhost/ovas/plugins/summernote/summernote-bs4.min.css">
        <!-- SweetAlert2 -->
                                    <link                rel="stylesheet"
href="http://localhost/ovas/plugins/sweetalert2-theme-bootstrap-4/bootstrap-4.min.css">
        <style type="text/css">/* Chart.js */
                                                            @keyframes
chartjs-render-animation{from{opacity:.99}to{opacity:1}}.chartjs-render-monitor{animation:chartjs-r
ender-animation
1ms}.chartjs-size-monitor,.chartjs-size-monitor-expand,.chartjs-size-monitor-shrink{position:absolute
;direction:ltr;left:0;top:0;right:0;bottom:0;overflow:hidden;pointer-events:none;visibility:hidden;z-in
dex:-1}.chartjs-size-monitor-expand>div{position:absolute;width:1000000px;height:1000000px;left:0
;top:0}.chartjs-size-monitor-shrink>div{position:absolute;width:200%;height:200%;left:0;top:0}
        </style>

        <!-- jQuery -->
        <script src="http://localhost/ovas/plugins/jquery/jquery.min.js"></script>
        <!-- jQuery UI 1.11.4 -->
        <script src="http://localhost/ovas/plugins/jquery-ui/jquery-ui.min.js"></script>
```

```html
<!-- SweetAlert2 -->
<script src="http://localhost/ovas/plugins/sweetalert2/sweetalert2.min.js"></script>
<!-- Toastr -->
<script src="http://localhost/ovas/plugins/toastr/toastr.min.js"></script>
<script>
  var _base_url_ = 'http://localhost/ovas/';
</script>
<script src="http://localhost/ovas/dist/js/script.js"></script>
<style>
#main-header{
   position:relative;
   background: rgb(0,0,0)!important;
             background: radial-gradient(circle, rgba(0,0,0,0.48503151260504207) 22%,
rgba(0,0,0,0.39539565826330536) 49%, rgba(0,212,255,0) 100%)!important;
   }
#main-header:before{
   content:"";
   position:absolute;
   top:0;
   left:0;
   width:100%;
   height:100%;
   background-image:url(http://localhost/ovas/uploads/cover-1641262651.png);
   background-repeat: no-repeat;
   background-size: cover;
   filter: drop-shadow(0px 7px 6px black);
   z-index:-1;
   }

</style>
   </head>   <body class="layout-top-nav layout-fixed layout-navbar-fixed" style="height:
auto;">
    <div class="wrapper">
       <style>
 .user-img{
    position: absolute;
    height: 27px;
    width: 27px;
    object-fit: cover;
    left: -7%;
    top: -12%;
 }
 .btn-rounded{
    border-radius: 50px;
 }
</style>
<!-- Navbar -->
   <style>
   #login-nav {
     position: fixed !important;
     top: 0 !important;
```

```
          z-index: 1037;
          padding: 0.3em 2.5em !important;
        }
        #top-Nav{
         top: 2.3em;
        }
                   .text-sm .layout-navbar-fixed .wrapper .main-header ~ .content-wrapper,
.layout-navbar-fixed .wrapper .main-header.text-sm ~ .content-wrapper {
          margin-top: calc(3.6) !important;
          padding-top: calc(3.2em) !important
        }
        </style>
        <nav class="w-100 px-2 py-1 position-fixed top-0 bg-light text-dark" id="login-nav">
         <div class="d-flex justify-content-between w-100">
          <div>
                     <span class="mr-2"><i class="fa fa-phone mr-1"></i> 09854698789 /
78945632</span>
          </div>
          <div>
                 <a href="./admin" class="mx-2 text-dark">Admin Login</a>
             </div>
          </div>
         </nav>

             <nav class="main-header navbar navbar-expand navbar-dark border-0 text-smbg-
gradient-dark" id='top-Nav'>

          <div class="container">
           <a href="./" class="navbar-brand">
                 <img src="http://localhost/ovas/uploads/logo-1641262650.png" alt="Site Logo"
class="brand-image img-circle elevation-3" style="opacity: .8">
              <span>OVAS - PHP</span>
           </a>

                 <button class="navbar-toggler order-1" type="button" data-toggle="collapse"
data-target="#navbarCollapse"        aria-controls="navbarCollapse"        aria-expanded="false"
aria-label="Toggle navigation">
              <span class="navbar-toggler-icon"></span>
           </button>

           <div class="collapse navbar-collapse order-3" id="navbarCollapse">
            <!-- Left navbar links -->
            <ul class="navbar-nav">
             <li class="nav-item">
              <a href="./" class="nav-link active">Home</a>
             </li>
             <li class="nav-item">
              <a href="./?page=appointment" class="nav-link ">Appointment</a>
             </li>
             <li class="nav-item">
              <a href="./?page=services" class="nav-link ">Our Services</a>
             </li>
```

```html
            <li class="nav-item">
              <a href="./?page=about" class="nav-link ">About Us</a>
            </li>
            <li class="nav-item">
              <a href="./?page=contact_us" class="nav-link ">Contact Us</a>
            </li>
                    <!-- <li class="nav-item">
              <a href="#" class="nav-link">Contact</a>
            </li> -->
          </ul>


        </div>
        <!-- Right navbar links -->
        <div class="order-1 order-md-3 navbar-nav navbar-no-expand ml-auto">
        </div>
      </div>
    </nav>
    <!-- /.navbar -->
    <script>
      $(function(){

      })
    </script>
    <!-- Content Wrapper. Contains page content -->
    <div class="content-wrapper pt-5" style="">
            <div id="header" class="shadow mb-4">
            <div class="d-flex justify-content-center h-100 w-100 align-items-center flex-column
px-3">
                    <h1 class="w-100 text-center site-title px-5">Online Veterinary Appointment
System - PHP</h1>
                        <!-- <h3 class="w-100 text-center px-5 site-subtitle">Online Veterinary
Appointment System - PHP</h3> -->
                </div>
            </div>
                <!-- Main content -->
        <section class="content ">
          <div class="container">
            <style>
        .car-cover{
          width:10em;
        }
        .car-item .col-auto{
          max-width: calc(100% - 12em) !important;
        }
        .car-item:hover{
          transform:translate(0, -4px);
          background:#a5a5a521;
        }
        .banner-img-holder{
          height:25vh !important;
```

```css
      width: calc(100%);
      overflow: hidden;
    }
    .banner-img{
      object-fit:scale-down;
      height: calc(100%);
      width: calc(100%);
      transition:transform .3s ease-in;
    }
    .car-item:hover .banner-img{
      transform:scale(1.3)
    }
    .welcome-content img{
      margin:.5em;
    }
  </style>
  <div class="col-lg-12 py-5">
    <div class="contain-fluid">
      <div class="card card-outline card-lightblue shadow rounded-0">
        <div class="card-body rounded-0">
          <div class="container-fluid">
            <h3 class="text-center">Welcome</h3>
            <hr>
            <div class="welcome-content">
                    <p style="margin-right: 0px; margin-bottom: 15px; padding: 0px;">OVAS is a
chain of animal hospitals whose mission is to provide the highest standard of veterinary care for pets.
We genuinely care about your pets and all animals! Our staff are passionate about veterinary
medicine and are extremely well trained. We strive to provide professional, affordable, and state of
the art veterinary services. At OVAS, you will walk into a welcoming, and friendly environment every
time you visit, so that the experience is as comfortable as possible for you and your pet.</p><p
style="text-align: center; margin-right: 0px; margin-bottom: 15px; padding: 0px;"><img
src="data:image/jpeg;base64,/9j/ZZZ2YWLExGZKbrxyxYgCFyyDFyuB23WLEAFO2ym2h18eS2jwQRZYs
WDZTZFLDfzWTExmuFixFAVyaqeJGJFK22WLECKjrKIlYsWkImgOXue6xYkM2Ma6uiccBSqxYk0CZna11PV
V40UGw0WLELsbKsRiduCcRzS0WCdYZzA01a+uvMgg+oXqxT/kK8bKYH/dAuYHePVeLFiiujqP/9k="
style="width: 50%;" data-filename="vet-1.jpg"><br></p><p style="text-align: center; margin-right:
0px; margin-bottom: 15px; margin-left: 0px; padding: 0px;"></p><p style="text-align: left; margin-
right: 0px; margin-bottom: 15px; margin-left: 0px; padding: 0px;"><span style="color: rgb(0,0, 0);
font-family: " open="" sans",="" arial,="" sans-serif;="" font-size:="" 14px;="" text-align:=""
justify;"="">OVAS offers emergency veterinary care, as well as medical, surgical, and dental services.
We also have an in-house pharmacy with access to specialists, making our veterinary facility a one
stop shop for your pet's health and medical needs. If you are new to our website, please browse
around to learn about our facility and services. </span><br></p>            </div>
          </div>
        </div>
      </div>
    </div>
  </div>        </div>
    </section>
    <!-- /.content -->
  <div class="modal fade rounded-0" id="confirm_modal" role='dialog'>
    <div class="modal-dialog modal-md modal-dialog-centered" role="document">
```

```html
<div class="modal-content">
  <div class="modal-header rounded-0">
  <h5 class="modal-title">Confirmation</h5>
  </div>
  <div class="modal-body rounded-0">
   <div id="delete_content"></div>
  </div>
  <div class="modal-footer">
                        <button    type="button"    class="btn    btn-primary"    id='confirm'
onclick="">Continue</button>
                                        <button    type="button"    class="btn    btn-secondary"
data-dismiss="modal">Close</button>
  </div>
  </div>
 </div>
</div>

<div class="modal fade rounded-0" id="uni_modal" role='dialog'>
 <div class="modal-dialog modal-md modal-dialog-centered rounded-0" role="document">
  <div class="modal-content rounded-0">
   <div class="modal-header rounded-0">
   <h5 class="modal-title"></h5>
  </div>
  <div class="modal-body rounded-0">
  </div>
  <div class="modal-footer">
        <button type="button" class="btn btn-primary" id='submit' onclick="$('#uni_modal
form').submit()">Save</button>
                                        <button    type="button"    class="btn    btn-secondary"
data-dismiss="modal">Cancel</button>
  </div>
  </div>
 </div>
</div>
<div class="modal fade rounded-0" id="uni_modal_right" role='dialog'>
 <div class="modal-dialog modal-full-height  modal-md" role="document">
  <div class="modal-content">
   <div class="modal-header rounded-0">
   <h5 class="modal-title"></h5>
   <button type="button" class="close" data-dismiss="modal" aria-label="Close">
    <span class="fa fa-arrow-right"></span>
   </button>
  </div>
  <div class="modal-body rounded-0">
  </div>
  </div>
 </div>
</div>
<div class="modal fade" id="viewer_modal" role='dialog'>
 <div class="modal-dialog modal-md" role="document">
  <div class="modal-content">
```

```html
                    <button type="button" class="btn-close" data-dismiss="modal"><span class="fa
fa-times"></span></button>
                <img src="" alt="">
        </div>
      </div>
    </div>
      </div>
      <!-- /.content-wrapper -->
      <script>
  $(document).ready(function(){
   $('.list-group').each(function(){
    if(String($(this).text()).trim() == ""){
      $(this).html("")
    }
   })

    window.viewer_modal = function($src = ''){
    start_loader()
    var t = $src.split('.')
    t = t[1]
    if(t =='mp4'){
      var view = $("<video src='"+$src+"' controls autoplay></video>")
    }else{
      var view = $("<img src='"+$src+"' />")
    }
    $('#viewer_modal .modal-content video,#viewer_modal .modal-content img').remove()
    $('#viewer_modal .modal-content').append(view)
    $('#viewer_modal').modal({
        show:true,
        backdrop:'static',
        keyboard:false,
        focus:true
      })
      end_loader()

  }
   window.uni_modal = function($title = '' , $url='',$size=''){
     start_loader()
     $.ajax({
       url:$url,
       error:err=>{
         console.log()
         alert("An error occured")
       },
       success:function(resp){
         if(resp){
           $('#uni_modal .modal-title').html($title)
           $('#uni_modal .modal-body').html(resp)
           if($size != ''){
             $('#uni_modal .modal-dialog').addClass($size+' modal-dialog-centered')
           }else{
```

```
                            $('#uni_modal .modal-dialog').removeAttr("class").addClass("modal-dialog
modal-md modal-dialog-centered")
                    }
                $('#uni_modal').modal({
                  show:true,
                  backdrop:'static',
                  keyboard:false,
                  focus:true
                })
                end_loader()
            }
          }
        })
    }
   window._conf = function($msg='',$func='',$params = []){
     $('#confirm_modal #confirm').attr('onclick',$func+"("+$params.join(',')+")")
     $('#confirm_modal .modal-body').html($msg)
     $('#confirm_modal').modal('show')
   }
  })
 </script>
 <footer class="main-footer text-sm">
  <div class="container">
      <strong>Copyright © 2022.
      <!-- <a href=""></a> -->
      </strong>
      All rights reserved.
      <div class="float-right d-none d-sm-inline-block">
                      <b>OVAS - PHP (by: <a href="mailto:oretnom23@gmail.com"
target="blank">oretnom23</a> )</b> v1.0
      </div>
     </div>
    </footer>
   </div>
   <!-- ./wrapper -->
  <div id="libraries">
    <!-- Resolve conflict in jQuery UI tooltip with Bootstrap tooltip -->
    <script>
     $.widget.bridge('uibutton', $.ui.button)
    </script>
    <!-- Bootstrap 4 -->
                                                                            <script
src="http://localhost/ovas/plugins/bootstrap/js/bootstrap.bundle.min.js"></script>
      <!-- ChartJS -->
      <script src="http://localhost/ovas/plugins/chart.js/Chart.min.js"></script>
      <!-- Sparkline -->
      <script src="http://localhost/ovas/plugins/sparklines/sparkline.js"></script>
      <!-- Select2 -->
      <script src="http://localhost/ovas/plugins/select2/js/select2.full.min.js"></script>
      <!-- JQVMap -->
      <script src="http://localhost/ovas/plugins/jqvmap/jquery.vmap.min.js"></script>
```

```html
<script src="http://localhost/ovas/plugins/jqvmap/maps/jquery.vmap.usa.js"></script>
<!-- jQuery Knob Chart -->
<script src="http://localhost/ovas/plugins/jquery-knob/jquery.knob.min.js"></script>
<!-- daterangepicker -->
<script src="http://localhost/ovas/plugins/moment/moment.min.js"></script>
<script src="http://localhost/ovas/plugins/daterangepicker/daterangepicker.js"></script>
<!-- Tempusdominus Bootstrap 4 -->
<script
src="http://localhost/ovas/plugins/tempusdominus-bootstrap-4/js/tempusdominus-bootstrap-4.min
.js"></script>
<!-- Summernote -->
<script
src="http://localhost/ovas/plugins/summernote/summernote-bs4.min.js"></script>
<script src="http://localhost/ovas/plugins/datatables/jquery.dataTables.min.js"></script>
<script
src="http://localhost/ovas/plugins/datatables-bs4/js/dataTables.bootstrap4.min.js"></script>
<script
src="http://localhost/ovas/plugins/datatables-responsive/js/dataTables.responsive.min.js"></script>
<script
src="http://localhost/ovas/plugins/datatables-responsive/js/responsive.bootstrap4.min.js"></script>
<script src="http://localhost/ovas/plugins/moment/moment.min.js"></script>
<script src="http://localhost/ovas/plugins/fullcalendar/main.js"></script>
<!-- overlayScrollbars -->
<!--                     <script
src="http://localhost/ovas/plugins/overlayScrollbars/js/jquery.overlayScrollbars.min.js"></script> -->
<!-- AdminLTE App -->
<script src="http://localhost/ovas/dist/js/adminlte.js"></script>
</div>
<div class="daterangepicker ltr show-ranges opensright">
 <div class="ranges">
  <ul>
   <li data-range-key="Today">Today</li>
   <li data-range-key="Yesterday">Yesterday</li>
   <li data-range-key="Last 7 Days">Last 7 Days</li>
   <li data-range-key="Last 30 Days">Last 30 Days</li>
   <li data-range-key="This Month">This Month</li>
   <li data-range-key="Last Month">Last Month</li>
   <li data-range-key="Custom Range">Custom Range</li>
  </ul>
 </div>
 <div class="drp-calendar left">
  <div class="calendar-table"></div>
  <div class="calendar-time" style="display: none;"></div>
 </div>
 <div class="drp-calendar right">
  <div class="calendar-table"></div>
  <div class="calendar-time" style="display: none;"></div>
 </div>
  <div class="drp-buttons"><span class="drp-selected"></span><button class="cancelBtn
btn btn-sm btn-default" type="button">Cancel</button><button class="applyBtn btn btn-sm btn-
primary" disabled="disabled" type="button">Apply</button> </div>
```

```
        </div>
                <div    class="jqvmap-label"    style="display:    none;    left:    1093.83px;    top:
394.361px;">Idaho</div>
        <script>
         $(function(){
                        $('.wrapper>.content-wrapper').css("min-height",$(window).height()        -
$('#top-Nav').height() - $('#login-nav').height() - $("footer.main-footer").height())
         })
        </script> </body>
        </html>
```

Result:

Thus, the details of architectural design/framework/implementation along with the screenshots were provided.