# System Proposal

Veterinary Clinic Management System

**PRESENTED BY;**

Group - BL

Systems Analysis and Design                    SE201.3

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# **Content**

Problem Description

# Organization Introduction

Our organization is a reputable veterinary clinic committed to delivering high-quality pet care. With a growing client base and an increasing demand for efficient management, we recognize the need for a comprehensive veterinary clinic management system.

# Proposed System

Our proposed system aims to revolutionize the way we manage pet lists, appointments, prescriptions, and billing, and generate insightful reports. This system will enhance operational efficiency, streamline administrative tasks, and ultimately improve the quality of care provided to our furry patients.

# System
# Capabilities

**Capability 01**

Admin Login

- Access and manage all system functionalities.
- User authentication and authorization.

**Capability 02**

Doctor Login

- View appointments.
- Access medical history.
- Create prescriptions with digital signatures.

**Capability 03**

Assign Reception Logins

- Manage appointments.
- Handle client inquiries.

**Capability 04**

Add Pets

- Capture pet details such as name, auto-generated unique registration number, species, breed, age, weight, owner name, and owner mobile number.

**Capability 05**

Pets List

- Maintain a comprehensive list of pets.
- Display pet information and medical history.

# System
# Capabilities

**Capability 06**

Appointment Management

- Schedule and manage appointments efficiently.

**Capability 07**

Prescription Management

- Create detailed prescriptions with doctor signatures.
- Maintain a digital record of prescribed medications.

**Capability 08**

Billing Management

- Generate bills for medical charges incurred during appointments.
- Maintain a transparent and accurate billing system.

**Capability 09**

Reports

- Generate insightful reports on a pet-wise and category-wise basis.
- Provide data-driven insights into patient demographics and medical trends.

# Business
# Benefits

**Telemedicine**  ●  remote technology-based healthcare, offering consultations, diagnosis, and treatment without in-person visits. It boosts accessibility, reduces wait times, and broadens patient reach.

**Digital Signatures**  ●  Electronic signatures for document signing, enhance security and speed up paperwork processes. Eliminates physical documents, reduces costs, and streamlines approvals.

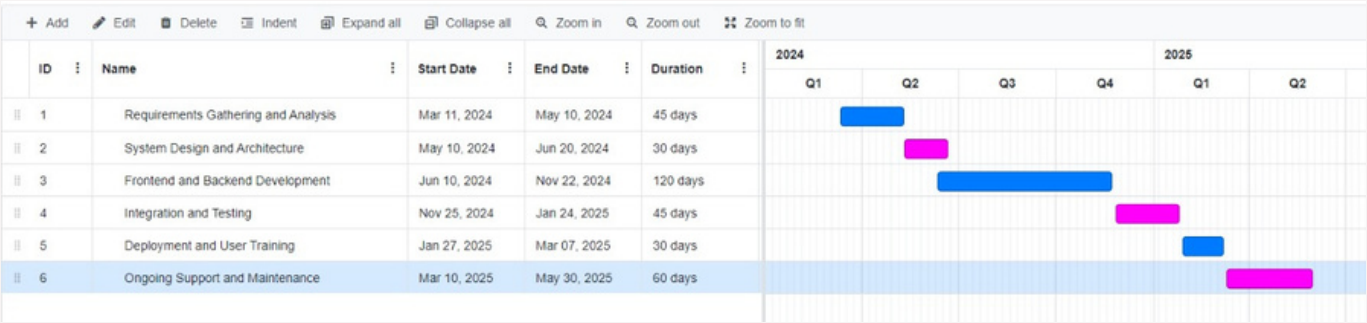**Automated Bill Payments**  ●  Electronic systems for automatic bill payments, minimize manual efforts and errors. It improves cash flow management, reduces late payments, and enhances customer satisfaction.

By implementing the Veterinary Clinic Management System, our organization aims to elevate the level of service provided to our clients while optimizing internal processes for enhanced efficiency and data-driven decision-making.

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# Gantt
# Chart

| | ID | Name | Start Date | End Date | Duration | 2024 | | | | 2025 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 |
| | 1 | Requirements Gathering and Analysis | Mar 11, 2024 | May 10, 2024 | 45 days | | | | | | |
| | 2 | System Design and Architecture | May 10, 2024 | Jun 20, 2024 | 30 days | | | | | | |
| | 3 | Frontend and Backend Development | Jun 10, 2024 | Nov 22, 2024 | 120 days | | | | | | |
| | 4 | Integration and Testing | Nov 25, 2024 | Jan 24, 2025 | 45 days | | | | | | |
| | 5 | Deployment and User Training | Jan 27, 2025 | Mar 07, 2025 | 30 days | | | | | | |
| | 6 | Ongoing Support and Maintenance | Mar 10, 2025 | May 30, 2025 | 60 days | | | | | | |

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# Our
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