Software Requirements Specification (SRS) Document

For

Online Pet Care System

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Group Number: 20

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O1.Introduction -->

1.1 Purpose :

The purpose of this document is to define the requirements for the development of a Pet Care System that enables users to schedule veterinary appointments, track their dogs' vaccination details, receive notifications for missed or pending vaccinations, and allows veterinarians and administrators to manage and update data.

1.2 Scope :

This system will serve pet owners who want to manage multiple dogs, schedule veterinary appointments, and keep track of their dogs' vaccination history. Veterinarians and administrators will have the capability to update and manage records.

1.3 Overall Description :

1.3.1 Product Perspective

The Pet Care System will be a standalone system that interfaces with users (pet owners), veterinarians, and administrators. It does not integrate with external systems.

1.3.2 Product Features

* User registration and login.

* Dog profile management for users with the ability to manage multiple dogs.

* Appointment scheduling for veterinary visits.

* Vaccination tracking with notifications for missed or pending vaccinations.

* Veterinarians can update vaccination details.

* Administrators can edit all data.

1.3.3 User Classes and Characteristics

* Pet Owners: Users who own one or more dogs and want to schedule veterinary appointments and track vaccination details.

* Veterinarians: Users responsible for providing veterinary services and updating vaccination records.

* Administrators: Users with elevated privileges to edit all data within the system.

02. Functional Requirements-->

2.1 User Registration and Login :

* Pet owners, veterinarians, and administrators must register for an account.

* Secure login functionality.

2.2 Dog Profile Management :

* Pet owners can add, edit, or remove dog profiles.

* Each dog profile includes basic information and vaccination history.

2.3 Appointment Scheduling :

* Pet owners can schedule veterinary appointments.

* Veterinarians can view and manage their appointment schedules.

2.4 Vaccination Tracking :

* Pet owners receive notifications for upcoming, missed, or pending vaccinations.

* Veterinarians can update vaccination details for each dog.

2.5 Data Management by Administrators :

* Administrators have the ability to edit all data within the system.

* This includes user profiles, dog profiles, appointments, and vaccination records

2.6 User Stories :

*As a user, I want to Register to site.

*As a user, I want to Login to site.

* As a user, I want to create a profile for each of my pets.

* As a user, I want to see the my registered dogs and there details.

* As a user, I want to see my dogs vaccinations details.

* As a user, I want to contact the available persons who are responsible for the system and its problems.

* As a user, I want to see the the available services regarding to my dogs health.

* As a user, I want to see available doctors near my location.

* As a user, I want to see available doctors and the time available for them.

* As a user, I want to see the doctor and how many channels have be reserved at that time.

* As a user, I want to channel a doctor through the system.

* As a user, I want to see a detailed receipt about the channel.

* As a user, I want to check out the channelling process.

*As a user, I want to see the available categories of products.

* As a user, I want to see available products that dogs need like accessories.

*As a user, I want to add my desired products to cart.

*As a user, I want to buy things in my cart at ones. multiple products at ones.

*As a user, I want to remove items from the cart.

*As a veterinarian ,I want to Register to site.

*As a veterinarian ,I want to Login to site.

*As a veterinarian ,I want to see the clients pets and there information on the system.

*As a veterinarian ,I want to search dogs by there ID.

*As a veterinarian ,I want to see the details of history of vaccinations of dogs.

*As a veterinarian ,I want to update the vaccinations when vaccinate the dog.

*As a veterinarian ,I want to receive the user massages and reply to there problems.

*As a system Administrator, I want to Login site.

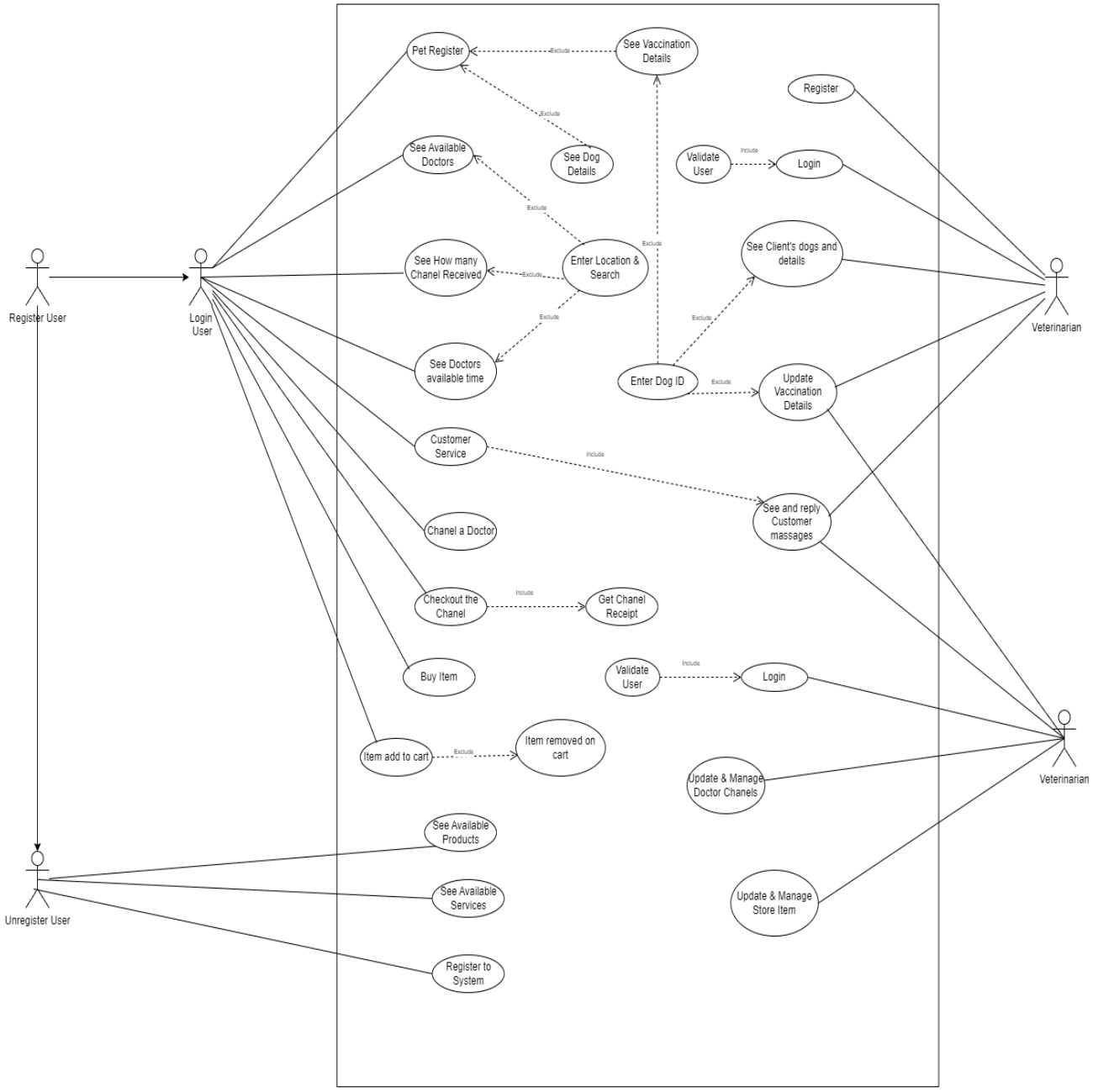
*As a system Administrator, I want to update and manage the doctors available to channel in the system.

*As a system Administrator, I want to update the available vaccinations for the dogs.

*As a system Administrator, I want to add and remove available items in the store .

*As a system Administrator, I want to receive the user massages and reply to there problems.

2.7 Use Case Diagram:



03. Non-functional Requirements-->

3.1 Usability Requirements :

* The system should be intuitive and easy to navigate for pet owners, veterinarians, and administrators.

* The system should provide a user-friendly experience with clear instructions and intuitive navigation.

3.2 Reliability Requirements :

* The system should be available 24/7 with minimal downtime.

* The system should be reliable, ensuring that users can access and update information consistently.

3.3 Performance Requirements :

* The system should handle concurrent user interactions efficiently.

* The system should handle a concurrent user load without significant degradation in performance.

04. CONSTRAINTS-->

4.1 Environmental Constraints:

Specify any external factors or conditions that may impact the operation of the Pet Care System (e.g., internet connectivity, device compatibility).

4.2 Regulatory Constraints:

Identify any legal or regulatory requirements that the system must comply with (e.g., data protection laws, veterinary regulations).

4.3 Technical Constraints:

Detail any limitations or dependencies on specific technologies, frameworks, or tools.

02.Specific Requirements

2.1 External Interfaces

2.1.1 User Interfaces

* User-friendly web and mobile interfaces for pet owners.

* A dedicated interface for veterinarians to access and update vaccination details.

* An admin interface with elevated privileges for data Management.

2.1.2 Hardware Interfaces

Compatible with standard web browsers and mobile devices.

3.1.3 Software Interfaces

Integration with a notification system to send reminders to pet owners.

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