

Software Requirements Specification (SRS) for Best Vet to Pet Website

1. Introduction

1.1 Purpose

This Software Requirements Specification (SRS) document details the functional and non-functional requirements for the "Best Vet to Pet" website. The purpose of this document is to provide a comprehensive understanding of the website's functionalities, performance criteria, and design constraints, serving as a foundational guide for development, testing, and maintenance teams.

1.2 Scope

The "Best Vet to Pet" website aims to provide a digital platform for veterinary services and pet product sales. The scope of this document covers the core functionalities including homepage display, product catalog management, service information display, an "About Us" section, and contact functionalities. It also addresses non-functional aspects such as availability, performance, usability, security, and responsiveness. Features like advanced user authentication (beyond basic login/registration), a full-fledged shopping cart with checkout, and direct online appointment booking are considered future enhancements but are not within the initial scope unless explicitly stated.

1.3 Definitions, Acronyms, and Abbreviations

- **SRS:** Software Requirements Specification
- **UI:** User Interface
- **UX:** User Experience
- **HTML:** HyperText Markup Language
- **CSS:** Cascading Style Sheets
- **HTTP:** Hypertext Transfer Protocol
- **URL:** Uniform Resource Locator

1.4 References

- Website under analysis: heshamhenry1.github.io/ITI-Projects/
- Requirements document: [requirements.md](#)

1.5 Overview

The remainder of this document is structured as follows: Section 2 provides a general description of the website, including its overall purpose, user characteristics, and general constraints. Section 3 details the specific functional requirements, outlining what the system must do. Section 4 describes the non-functional requirements, specifying criteria such as performance, security, and usability. Finally, Section 5 lists the user stories derived from these requirements.

2. Overall Description

2.1 Product Perspective

The "Best Vet to Pet" website is a standalone web application designed to serve as the primary online presence for a veterinary clinic. It integrates information about veterinary services with an e-commerce platform for pet products. The website is intended to be accessible via standard web browsers on various devices.

2.2 Product Functions

The website will perform the following key functions:

- Presenting information about veterinary services.
- Displaying a catalog of pet products for sale.
- Providing contact information and methods for user inquiries.
- Offering an "About Us" section to build trust and provide company background.
- Allowing users to register and log in (basic functionality).

2.3 User Characteristics

- **Pet Owners:** Individuals seeking veterinary care for their pets or looking to purchase pet-related products. They may vary in technical proficiency but expect an intuitive and easy-to-navigate interface.
- **Clinic Staff:** Administrators responsible for updating website content, managing product listings, and handling customer inquiries. They require a straightforward content management system (though not explicitly part of this SRS, it's an underlying need).

2.4 General Constraints

- **Technology Stack:** The current website is built using HTML, CSS, and JavaScript, hosted on GitHub Pages. Future development should consider compatibility or migration strategies.
- **Language:** The primary language of the website is Arabic.
- **Accessibility:** The website should adhere to basic web accessibility standards to ensure it is usable by individuals with disabilities.

3. Specific Requirements

3.1 Functional Requirements

3.1.1 Homepage Display

Requirement: The system shall display a clear and informative homepage providing an overview of veterinary services, key differentiators, and featured products. It should include sections for expert veterinarians, 24/7 emergency services, and premium products.

3.1.2 Product Catalog Management

Requirement: The system shall allow for the display of a comprehensive product catalog, including product images, descriptions, prices, and an "Add to Cart" functionality for each product. Users should be able to browse products by category, price range, and brand.

3.1.3 Service Information Display

Requirement: The system shall provide detailed information about all veterinary services offered, including but not limited to general veterinary care, vaccinations, surgeries, and emergency services. Each service should have a dedicated page with comprehensive descriptions.

3.1.4 About Us Section

Requirement: The system shall include an "About Us" section detailing the clinic's mission, vision, values, and history. It should also introduce key team members with their roles and expertise.

3.1.5 Contact Information and Form

Requirement: The system shall provide clear contact information, including address, phone number, and email. It should also include a functional contact form or a direct chat option for user inquiries.

3.1.6 User Authentication (Login/Registration)

Requirement: The system shall support user login and registration, allowing users to create accounts, manage their profiles, and potentially view their order history or appointment schedules.

3.2 Non-Functional Requirements

3.2.1 Availability and Uptime

Requirement: The website shall maintain a high level of availability, with a target uptime of 99.9% to ensure continuous access for users seeking veterinary services or products.

3.2.2 Performance

Requirement: The website shall load quickly and respond efficiently to user interactions, with page load times not exceeding 3 seconds under normal network conditions.

3.2.3 Usability

Requirement: The website shall be intuitive and easy to navigate for all users, with clear calls to action and a logical flow of information. The design should be user-friendly and accessible.

3.2.4 Security

Requirement: The system shall implement robust security measures to protect user data and ensure secure transactions, including data encryption and protection against common web vulnerabilities.

3.2.5 Responsiveness

Requirement: The website shall be fully responsive, adapting seamlessly to various screen sizes and devices, including desktops, tablets, and mobile phones, to provide an optimal viewing experience for all users.

3.2.6 Error Handling

Requirement: The system shall gracefully handle errors, such as 404 (Page Not Found) errors, and provide user-friendly error messages to guide users back to relevant content.

4. User Stories

(To be filled in the next phase)

5. User Stories

1. **As a pet owner**, I want to easily find information about veterinary services so that I can understand the care options available for my pet.
2. **As a pet owner**, I want to browse a variety of pet products by category, price, and brand so that I can find the best items for my pet's needs.
3. **As a pet owner**, I want to view detailed descriptions and images of products so that I can make informed purchasing decisions.
4. **As a pet owner**, I want to understand the clinic's mission, vision, and team members so that I can build trust and feel confident in their services.
5. **As a pet owner**, I want to quickly find contact information and a way to inquire about services or products so that I can get my questions answered promptly.
6. **As a pet owner**, I want to be able to register and log in to the website so that I can manage my profile and potentially track my orders or appointments.
7. **As a pet owner**, I want the website to load quickly and be available at all times so that I can access information and services without delay.
8. **As a pet owner**, I want the website to be easy to navigate and understand so that I can find what I need without frustration.
9. **As a pet owner**, I want my personal and payment information to be secure when using the website so that I feel safe making transactions.
10. **As a pet owner**, I want the website to look and function well on my mobile phone or tablet so that I can access it conveniently from any device.