**P&A FARMS WEBSITE**

SOFTWARE REQUIREMENT SPECIFICATION

DOCUMENT.

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# **1. Introduction**

The Software Requirements Specification (SRS) document outlines the functional and non-functional requirements for the development of the Poultry Farm Website. The purpose of this document is to clearly define the scope, objectives, and constraints of the project, ensuring a comprehensive understanding of what the system must achieve. The SRS serves as a blueprint for designers and developers to build a system that meets the specified requirements, without delving into design specifics.

## 1.1 Purpose

This document is created to gather requirements for creating a website for a poultry farm. The intended audience for this document will be software developers who will build the website.

## 1.2 Scope

The scope of the Poultry Farm Website encompasses the development of an online platform to showcase the products, services, and information offered by the poultry farm. The website will provide users with access to a comprehensive product catalog, information about various services, engaging articles and news, as well to interact with the farm through inquiries and comments. The website will also include an administrative dashboard to manage content and user interactions.

## 1.3 Overview

This document highlights the features of the website for P&A farms. It touches on the product’s functions, user requirements, system requirements, design constraints and other aspects necessary to develop the website.

## 1.4 Objectives

The main objectives of the Poultry Farm Website project are as follows:

User Engagement: Develop a user-friendly and responsive website that engages users and provides valuable information about poultry products, services, and industry insights.

Accessibility: Ensure the website is accessible across various devices and browsers, allowing users to interact seamlessly.

Content Management: Create an intuitive admin dashboard that allows administrators to manage products, services, blog posts, and user inquiries efficiently.

Security: Implement robust security measures to safeguard user data, transactions, and administrative access.

Enhanced Communication: Facilitate communication between the poultry farm and its customers through contact forms, inquiries, and comments.

## 1.5 Constraints

The development of the Poultry Farm Website must adhere to the following constraints:

Budget: The project must be completed within the allocated budget for development, testing, and deployment.

Timeline: The website development is subject to a specified timeline to ensure timely delivery.

Compliance: The website must adhere to relevant data protection and privacy regulations, ensuring the security of user data.

## 1.6 Intended Audience

This SRS document is intended for various stakeholders involved in the project, including:

Client: To understand the scope and requirements of the project.

Development Team: To use as a guide for building the system as per the defined specifications.

Quality Assurance Team: To validate the developed system against the specified requirements.

Project Managers: To track the progress of the project and ensure its alignment with the documented goals.

# **2. The Overall Description**

In developing our software, we shall consider certain demographic factors. Demographic factors such as age, gender, education level, and income can all influence the design of the website. For example, if our target audience is primarily elderly individuals, we may need to design the website with larger text and simpler navigation to accommodate their needs.

Another important factor is user needs and goals. Understanding what our users are trying to accomplish on our website is crucial in designing a website that meets their needs. For example, if our users are primarily looking for information about P&A Farm’s mission and goals, we may need to prioritize this information on the homepage. Industry standards and best practices are also important factors we will consider. By following established industry standards and best practices, we can ensure that our website is both functional and user-friendly. For example, using responsive design to ensure that our website is mobile-friendly is an important best practice that can improve the user experience.

## 2.1 Product Perspective

The Poultry Farm Website is an independent and self-contained digital platform designed to showcase the poultry farm's products, services, and information. It serves as the online presence for the poultry farm, enabling users to access information, make inquiries, and engage with the farm's offerings. Unlike a traditional brick-and-mortar setup, the website extends the reach of the poultry farm to a wider audience through the digital medium.

The Poultry Farm Website operates as an integral component of the poultry farm's marketing and customer engagement strategy. While the website is an independent product, it interacts with various aspects of the larger system, which includes the physical farm, production processes, and customer interactions.

## 2.2 System Interfaces

The Poultry Farm Website interacts with various external systems to provide a seamless user experience and fulfill its functionality. The following system interfaces have been identified:

### **2.2.1 Email Notification Interface**

Interface Description:

The Email Notification Interface enables the website to send automated email notifications to users and administrators. It integrates with an external email service to ensure timely and reliable communication.

Functionality of the Software:

User Registration: The software uses the Email Notification Interface to send verification emails to users during registration.

Order Confirmations: The software sends order confirmation emails to users after successful purchases.

Admin Notifications: The software notifies administrators via email about user inquiries and transactions.

### **2.2.2 User Interaction**

Users interact with the website through web browsers on various devices, such as desktop computers, tablets, and smartphones. The website's responsive design ensures a seamless user experience across different screen sizes and resolutions.

### **2.2.3 Admin Interface**

Admin users interact with the website through a secure admin dashboard. This interface allows administrators to manage content, including products, services, and blog posts. Admins can also handle user inquiries and comments.

# **3. Functional Requirements**

## 3.1 User-Facing Functionality

### **3.1.1 Product Catalog**

Users can browse the product catalog.

Users can search for products by keywords or categories.

Users can view individual product details.

### **3.1.2 Services Information**

Users can access detailed information about the available services.

Users can request appointments for specific services.

### **3.1.3 Blog/News Section**

Users can view articles and news updates.

Users can interact with articles by commenting and sharing.

### **3.1.4 Contact**

Users can view contact details.

Users can submit inquiries using the contact form.

## 3.2 Admin Functionality

### **3.2.1 Content Management**

Admins can add new products, services, and blog posts.

Admins can edit or delete existing products, services, and blog posts.

# **4. Non-Functional Requirements**

## 4.1 Performance

The website shall load within 3 seconds on standard internet connections.

The website shall handle concurrent user sessions without significant performance degradation.

## 4.2 Security

User passwords shall be securely hashed and stored.

Admin access shall be protected through robust authentication mechanisms.

4.3 User Experience

The website shall have a responsive design to ensure usability across various devices.

The interface shall be intuitive and user-friendly.

## 4.4 Compatibility

The website shall be compatible with modern web browsers, including Chrome, Firefox, and Safari.

# **5. Constraints**

The website development shall be completed within the allocated budget and timeline.

The website shall comply with all relevant data protection and privacy regulations.

# **6. Glossary**

Provide definitions for technical terms and jargon used throughout the document.