**Software Requirement Specification for JPetStore**

**Introduction**

**Purpose**

The purpose of this document is to develop a pet store application where customers can purchase pets online.

**Scope**

The pet store application will include features like product browsing, user registration, shopping cart management, and secure payment processing.

**Description**

* Product Functions
* User Registration and Login
* Product Listings and Search Functionality
* Shopping Cart and Checkout Process
* Functional Requirements

**Login**

The system must allow users to log in by entering their username and password.

**Registration**

Users should be able to create an account by providing necessary details.

* User Information: Personal details required to create an account.
* Account Information: Login credentials and other related information.
* Profile Information: User's personal profile data.

**Catalog**

* Show a list of available pets, sorted by categories (fish, dogs, cats, reptiles, birds).
* Each pet must have detailed information, such as name, description, price, and a picture.
* Users can search for pets by category, name, or specific keywords.
* Users can add pets to a Wishlist for future reference without adding them to the shopping cart.

**Shopping Cart**

* Users can add pets to the shopping cart.
* They can view and update the cart by modifying quantities or removing items.
* The cart should display a summary, including the total price and item details.

**Checkout Process**

* The system must collect the user’s shipping information, such as address and contact details.
* Multiple payment methods must be supported (debit card, credit card, UPI).
* Users should be able to review their order before confirming the purchase.
* After a successful order placement, a confirmation and receipt must be provided to the user.

**Order Management**

* Users can view their order history, sorted by date and order status.
* The system should notify the admin team about new orders, returns, or cancellations.
* Users must receive notifications at every stage of the order process.
* Users can cancel orders within a specific timeframe before shipping.

**Admin Management**

* Admins can add, remove, and modify pets, including setting quantities, categories, and prices.
* Admins can view and manage order details, update statuses, and track shipments.
* Admins should have access to sales reports, including monthly summaries and analytics.

**Content Management**

* Admins can update frequently asked questions to address common user inquiries.
* Users can leave comments and reviews to improve the experience.
* The content must support translation into multiple languages for a broader audience.
* Site settings can be adjusted based on user preferences.

**Non-Functional Requirements**

**Security**

* The application must have secure layers to protect data.
* Data must be securely transmitted between the client and the server.

**Scalability**

* The system must scale efficiently as more users access the application.

**Performance**

* The application should perform efficiently with low response times.

**User-Friendly Interface**

* The website should be easy to use and visually appealing to the user.

**System Requirements**

* Compatible with Google Chrome and Firefox browsers.
* Requires at least 256MB of RAM.
* Must work on Windows and Mac operating systems.

**Accessibility**

* The application should be accessible to all users and allow settings to be customized according to user preferences.