**Software requirement Specification for JPetStore**

**Introduction**

**Purpose**

The purpose of the document is to build the pet store application where the customer can buy pets.

**Scope**

The pet store has functional 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**

* It should allow the user to enter the credentials (username and password).

**Registration**

* It should allow the user to create an account with necessary information.
* User information, Account information, Profile information

**Catalog**

* Display a list of available pets, categorized by types (fish, dogs, cats, reptiles, birds)
* Product details for each pet, including name, description, price and image.
* Users can Search functionality to find 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**

* Add pets to the shopping cart.
* View and update the cart (modify quantity, remove items).
* The cart will display a summary, including total price and item details.

**Checkout process**

* Capture user’s shipping details, including address and contact information.
* Support multiple Payment method (debit card, credit card, upi).
* Review the order before finalizing the purchase.
* Users receive confirmation, and a receipt is generated upon successful order placement.

**Order Management**

* It should display the order history, filtered by date and status.
* Notify the admin team for new orders, returns, or cancellations.
* Send notifications to users at each stage of the order process.
* Users can cancel orders within a specified timeframe before shipment.

**Admin Management**

* Admin can add, remove and modify pets, including setting quantities, category and prices.
* Admin can view and manage order details, status updates, and shipment tracking.
* Admin can access total sales reports, including monthly, summaries and analytics.

**Content Management**

* Frequently asked questions which admins can update with common inquiries and helpful answers.
* Add comments and reviews to improve the users.
* Allow the content to be translated into multiple languages for a different audience.
* Allow the site settings to adjust based on Users.

**Non-Functional Requirements**

**Security**

* Implement secure layer.
* Secure Data transmit between client and server.

**Scalability**

* The system should be scalable based on users accessing the application.

**Performance**

* The application should perform well in low latency.

**User-Friendly Interface**

* The website must have user-friendly access and be attractive to the user.

**System Requirements**

* Google chrome, Firefox
* Ram 256mb
* Windows, mac.

**Accessibility**

* The application can be accessible by all users can change settings based on their preference.