***PET SHOP SRS***

1.***Introduction***

Purpose: Define system requirements for managing pet shop operations, including inventory, sales, and customer management.

Scope: The system will handle inventory management, point-of-sale (POS) transactions, customer data, employee management, and reporting.

2.***Overall Description:***

Product Perspective: Software-based Product designed for pet shop operations, scalable for future integration.

Product Functions: Manage inventory (add/edit/delete products), Process sales transactions (multiple payment methods), Maintain customer profiles and loyalty programs, manage employee records and performance, Generate various reports (sales, inventory, customer insights).

User Classes: Store Manager, Sales Staff, Administrator

3.***Specific Requirements***

Functional Requirements

1.Inventory Management: Track stock levels, reorder alerts.

2.Sales and POS: Process transactions, print receipts.

3.Customer Management: Login, Create/update profiles, track purchase history.

4.Employee Management: Add/edit employee records, track performance.

5.Reporting: Generate reports on sales and inventory status.

Non-Functional Requirements

1.Performance: System to support 100 concurrent users, <3 seconds response time.

2.Security: Role-based access, data encryption.

3.Usability: Intuitive UI, minimal training.

4.Reliability: 99.9% uptime, daily data backups.

4.***External Interface Requirements***

1.User Interfaces: Web-based dashboard and POS interface.

2.Hardware Interfaces: Compatible with standard POS hardware (scanners, printers).

3.Software Interfaces: Integration with payment gateways and e-commerce platforms.

5.***System Requirements***

1.Hardware: Server- Minimum 8GB RAM, 4 CPU cores. Client: Standard PC/laptop.

2.Software: OS: Windows/Linux server, Database: MySQL or PostgreSQL.

6.***Appendices***

1.Glossary: Definitions of key terms.

2.References: Relevant documents, resources, links.