Software Requirement Specification (SRS) for SpaceSRM System:

1. Introduction: SpaceSRM is a Supplier Relationship Management (SRM) system designed to streamline procurement processes and enhance supplier management for businesses in industries such as cafeterias, detailing studios, and others. This document outlines the functional and non-functional requirements of the SpaceSRM system.

2. Functional Requirements:

2.1 User Management:

Users should be able to register and create accounts with SpaceSRM.

Users should be able to login securely with username and password.

Users should be categorized into roles such as Administrator, Procurement Manager, and Supplier.

2.2 Supplier Management:

Users should be able to add, edit, and delete supplier information.

Users should be able to view a list of suppliers and their contact details.

Users should be able to categorize suppliers based on product/service offerings.

2.3 Procurement Process:

Users should be able to create purchase orders for products or services from suppliers.

Users should be able to track the status of purchase orders from creation to delivery.

Users should receive notifications for order status updates and delivery confirmations.

2.4 Inventory Management:

Users should be able to manage inventory levels and stock availability.

Users should receive alerts for low stock levels and inventory shortages.

Users should be able to generate reports on inventory status and usage.

2.5 Invoice and Payment Management:

Users should be able to generate invoices for received goods or services.

Users should be able to track payments made to suppliers.

Users should receive reminders for pending payments and overdue invoices.

2.6 Communication and Collaboration:

Users should be able to communicate with suppliers through messaging or email within the system.

Users should be able to collaborate with team members on procurement decisions and supplier negotiations.

Users should be able to share documents and files related to supplier contracts and agreements.

3. Non-Functional Requirements:

3.1 Performance:

The system should be able to handle concurrent user interactions without significant slowdowns.

Response times for user actions should be within acceptable limits (<2 seconds).

3.2 Security:

User authentication and authorization should be implemented securely using encryption and access control mechanisms.

Sensitive data such as user credentials, supplier information, and financial records should be encrypted at rest and in transit.

3.3 Scalability:

The system should be scalable to accommodate increasing numbers of users and data volume over time.

Scalability should be achieved through modular architecture and efficient resource utilization.

3.4 Usability:

The user interface should be intuitive and easy to navigate, with clear labeling and organization of features.

User interactions should follow common design patterns and conventions to minimize learning curves.

4. Use Case Diagram:

5. Mockups:

(Insert mockups of SpaceSRM user interface here)

User Stories:

As a Procurement Manager, I want to be able to create purchase orders and track their status to ensure timely delivery of goods.

As a Supplier, I want to be notified of new purchase orders and provide delivery confirmations to the buyer.

As an Administrator, I want to manage user accounts and permissions to control access to sensitive information.

As a User, I want to receive alerts for low inventory levels and generate reports on inventory usage for better planning.

As a User, I want to communicate with suppliers within the system to discuss product specifications and negotiate terms.

As a User, I want to generate invoices for received goods/services and track payments made to suppliers.

(Note: The list of user stories can be expanded further to cover all functionalities and user interactions within the SpaceSRM system.)

This Software Requirement Specification (SRS) document outlines the functional and non-functional requirements of the SpaceSRM system, along with a use case diagram and mockups for reference.