**Experiment-1**

Prepare an SRS document in line with the IEEE recommended standards for the specified Case Study. (Functional Requirements)

1. **Introduction**

This Software Requirements Specification (SRS) document describes the functional requirements for a salon management system web application. The application will allow salon owners and managers to manage their business operations more efficiently, including appointment scheduling, customer management, inventory management, and financial reporting.

**2. Objectives**

The objectives of the salon management system web application are to:

* Improve the efficiency of salon operations by automating manual tasks
* Reduce the time and effort required to manage appointments, customers, inventory, and finances
* Provide salon owners and managers with real-time insights into their business performance
* Help salon owners and managers to improve their customer service

**3. Requirements**

The following are the functional requirements for the salon management system web application:

3.1. Appointment Scheduling

* The application allow users to schedule appointments online, over the phone, or in person.
* The application allow users to view and manage their appointments, including rescheduling and canceling appointments.
* The application send reminder notifications to users about their upcoming appointments.
* The application allow users to track the status of their appointments in real time.

3.2. Customer Management

* The application allow users to create and manage customer profiles, including customer contact information, appointment history, and service preferences.
* The application allow users to segment customers based on their demographics, interests, and purchase history.
* The application allow users to create and send targeted marketing campaigns to their customers.
* The application allow users to track customer loyalty and rewards programs.

3.3. Inventory Management

* The application allow users to track their inventory levels of products and services.
* The application allow users to generate reports on inventory usage and trends.
* The application allow users to set reorder points for products and services to ensure that they never run out of stock.
* The application allow users to integrate with their suppliers to automate the ordering process.

3.4. Financial Reporting

* The application generate reports on salon revenue, expenses, and profits.
* The application allow users to track their financial performance over time.
* The application allow users to create custom reports to meet their specific needs.

The Saloon Management System Web Application should be developed in accordance with the following standards:

Web Content Accessibility Guidelines (WCAG) 2.1: The WCAG 2.1 are a set of guidelines that make web content more accessible to people with disabilities.

World Wide Web Consortium (W3C) standards: The W3C develops standards for the World Wide Web, including HTML, CSS, and JavaScript.

Secure Coding Standards: The Secure Coding Standards are a set of guidelines that help developers write secure code