SOFTWARE REQUIREMENTS SPECIFICATIONS

SALOON MANAGEMENT SYSTEM
version 1.0

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INTRODUCTION

- **Purpose**

  This document is meant to delineate the features of Saloon Management System, so as to serve as a guide to the developers on one hand and a software validation document for the prospective client on the other. The Saloon Management System is intended to view available services and book a service in a saloon at any time according to the convenience of the customer (during the working hours of the saloon) through a single gateway. It will eliminate the waiting time for the customer and would empower them to reserve a seat according to their convenience. This would also enable customers to view and select and also pay in advance for the service of their choice.

- **Intended Audience**

  The intended audience for this Saloon Management System will be the different Saloon owners (shopkeepers), their management staff and the general public (customers).

- **Document Conventions**

  The abbreviation (conventions) used in this document are
  - SMS- Saloon Management System
  - SRS- Software Requirement Specification
  - GUI- Graphical User Interface
  - Stakeholder- The person who will participate in system. Ex. Customers, shopkeepers, etc.

- **Product Scope**

  This system would allow customers to view different saloons listed on the application, and view their services offered; also reserve seats for a specific service at any date and time according to their convenience and also pay in advance for the service they which they opted for. The shopkeepers also get an interface to update the seats reservations and their services, also auto-generate invoice for the customers.

- **References**

  Standard IEEE (Institute of Electrical and Electronics Engineers) SRS (Software Requirement Specification) document reference.

OVERALL DESCRIPTION

- **Product Perspective**

  This system is aimed towards people who want to checkout the available saloon services and their details, also book a certain service from specific saloon on a specific date and time according to their convenience.

- **Product Functions**

  - **Customer Section :**
    1. Authentication (Signup, Login, etc.)
    2. Search through listed Saloons.
    3. Select a saloon and view its details.
    4. Go through the services it's offering.
    5. Book a slot for him/herself.
    6. Can also pay in advance for the service(s) selected.

- **Seller Section :**
  1. Authentication (Signup, Login, etc.)
  2. Add new services.
  3. Update existing service details.
  4. Delete services.
  5. View orders.
  6. Update orders and available seats.
  7. Auto-generate order invoice.

- **User Classes and Characteristics**

  The user should have basic knowledge of authentication (signup, login, etc).
  The shopkeeper should have knowledge of CMS (Content Management System) and reservation system.

- **Operating Environment**

  The user would interact using an iOS/Android application.
  The shopkeeper would interact with the system using a web application (website).

- **Design and Implementation Constraints**

  This is a web based system, hence the only major constrain is internet connectivity. Also the users who would be using this system should be resisted/authenticated on the application platform.

- **Assumptions and Dependencies**

  For the working of SMS, an active internet connection is required.
  For the customer, the application is required to be installed in their mobile device.
  For the shopkeeper, a computer which is capable of networking is required.

SYSTEM FEATURES

1. ## CUSTOMER AUTHENTICATION
   - **Description**

     This feature would enable customers to create an account on the platform. Then after verifying their email, customers can login into their account using their email ID and password respectively. If they forget their password, they can also change their account password using the forgot and reset password feature.
   - **Requirements**
     1. REQ-1: Customers should enter their email ID to create an account.
     2. REQ-2: Customers should verify their email by entering the OTP sent on their email on the verification page.

2. ## VIEW LIST OF SALOONS AND THEIR SERVICES LISTED
   - **Description**

     This feature would enable customers to view all the listed saloons on the platform. Customers can also search for any specific saloon listed on the platform by searching by name. Also customers can search for nearby restaurants by searching by location details.
   - **Requirements**
     1. REQ-1: Customers should search saloons by name or by using their location data.

3. **BOOK A SERVICE AT A SALOON ON ANY SPECIFIC TIME**
   - **Description**
     This feature would enable customers to book any service listed on the platform at any specific date and time according to their convenience, provided that the respective saloon is open at that time.
   - **Requirements**
     1. REQ-1: Customers should be authenticated(logged in) to perform this acton.
     2. REQ-2: Customers should select date and time for service they requested.

4. **PAY FOR ANY SERVICE IN ADVANCE**
   - **Description**
     This feature would enable customers to book and pay for any service in advance.
   - **Requirements**
     1. REQ-1: Customers should be authenticated(logged in) to perform this acton.
     2. REQ-2: Customers should select date and time for service they requested.
     3. REQ-3: Customers should make payment using any of the payment method available on the platform.

5. **SELLER AUTHENTICATION**
   - **Description**
     This feature would enable saloon owners (seller) to create an account on the platform. Then after verifying their email and login into their account using their email ID and password respectively. If they forget their password, they can also change their account password using the forgot and reset password feature.
   - **Requirements**
     1. REQ-1: Sellers should enter their email ID to create an account.
     2. REQ-2: Sellers should verify their email by entering the OTP sent on their email on the verification page.

5. **ADD/MODIFY/DELETE SHOP (SALOON) DETAILS**
   - **Description**
     This feature would enable saloon owners (seller) to add their saloon details. This would list the saloon on the platform.
   - **Requirements**
     1. REQ-1: Sellers should be authenticated(logged in) to perform this acton.
     2. REQ-2: Sellers should add all the requested details about the saloon.

6. **ADD/MODIFY/DELETE SERVICES DETAILS**
   - **Description**
     This feature would enable saloon owners (seller) to add various services details in their saloon. This would list all the services provided by the saloon on the platform.
   - **Requirements**
     1. REQ-1: Sellers should be authenticated(logged in) to perform this acton.
     2. REQ-2: Sellers should add all the requested details about the services.

6. **VIEW AND MANAGE ORDERS AND RESERVATIONS**
   - **Description**
     This feature would enable saloon owners (seller) to view and manage orders and reservations made by various customers in their shop/saloon.
   - **Requirements**
     1. REQ-1: Sellers should be authenticated(logged in) to perform this acton.

OTHER NON-FUNCTIONAL REQUIREMENTS

- **Performance Requirements**
  - For the customer app, an iOS/android device is required with minimum of 2GB RAM and 50MB of free space for the installation and functioning of the app.
  - For the seller application a computer with minimum 4GB RAM and a web browser is required for the functioning of the application.
- **Safety Requirements**
  A secure and encrypted network connection is recommended.
- **Security Requirements**
  - All users need a valid email address.
  - All users should verify their email by entering the OTP sent on their email on the verification page.
- **Business Rules**
  - All users need a valid email address.
  - The enrolment system shall include a mandatory email input on the user enrolment form page.
  - If the Submit button is pressed on the user enrolment form page and all mandatory fields are present, the enrolment system shall send a confirmation email to the email address provided.
  - The systems admin shall receive activity reports daily.