

SmartStyle Requirements Specification

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1. Executive Summary

1.1 Project Overview

SmartStyle project is determined to offer the core management and sale activities support in regards to an actual Spa & Hairdresser salon stationed in Tirana, Albania. In this project, our team will design and build a Web-based Application based on the salon's management system. The application will not only be a simple appointment booking and user support regarding the C2B aspect, but also a fairly complex and completely secure management and accounting system, encompassing all the needs of specifically this type of business. The system's users are divided into five main characteristics, each with their own functionalities and support: Admin, Accountant, Secretary, Employee and Client.

1.2 Purpose and Scope of this Specification

The main purpose of SmartStyle's Salon Management System is to track inventory, booking, personnel, in-store sales, accounting and marketing, to then collect all of this data from various sources, processes and to organize it, so that ultimately it generates a user-friendly report that the owners can consult while making decisions.

2. Product/Service Description

A Spa and Hairdresser salon management provides valuable tools to simplify management of different operations. The system keeps track of all the activities that are carried out on a daily basis within the salon. It maintains stock of inventory coming in and going out. Another feature is management of individual employee salary. The system is even equipped to manage customer billing and data storage, with a nice retouch to show a special bonus reminder to each client on their special day. SmartStyle will help improve the scheduling process by managing client appointments and regulating staff members' availability, which will

be transparent to the customer. This fully equipped system alone is able to manage the entire operations of a spa and hairdresser salon, including the accounting aspect.

2.1 Product Context

As the system is fully automated, it does not require human efforts in calculating bill and maintain customer's detail. Also it maintains records of all the employees along with their salary information so there would be systematic way of payment. It saves efforts and time and it is cost-effective.

How does this product relate to other products? Is it independent and self-contained? Does it interface with a variety of related systems? Describe these relationships or use a diagram to show the major components of the larger system, interconnections, and external interfaces.

2.2 User Characteristics

The users of the system will be Admin, Secretary, Accountant, Employee, and Client, and which will include the following functions:

A D M I N

- The Administrator can login in the system.
- S/he may manage and check the employees and their salaries.
- S/he may manage and check the inventory and read reports regarding it.
- S/he may check the client list.
- S/he may manage and check the products and services provided.
- S/he may manage and check the appointments calendar.
- S/he may check bills/invoices.
- S/he may access various financial reports of the business.
- S/he may create or delete accounts for her/his employees in the system.

S E C R E T A R Y

- The Secretary can login in the system.
- S/he may manage and check the appointments calendar.
- S/he may arrange the employees' weekly or monthly schedule.
- S/he may manage and print bills/invoices for clients.

A C C O U N T A N T

- The Accounting can login in the system.
- S/he may manage and check the employees and their salaries.
- S/he may manage and check the inventory.
- S/he may check bills/invoices.
- S/he may create and access various financial reports of the business.

E M P L O Y E E

- An Employee can login in the system.
- They may check and ask for change in their schedule.
- They may check their own salaries and contributions.
- They may request for vacations and/or paid leave.

C L I E N T

- A Client can sign up and login in the system.
- They may access their own page and see their information.
- They may create and change their own appointments online.

2.3 Assumptions

List any assumptions that affect the requirements, for example, equipment availability, user expertise, etc. For example, a specific operating system is assumed to be available; if the operating system is not available, the Requirements Specification would then have to change accordingly.

2.4 Constraints

Some of the calculated constraints or disadvantages of our Salon Management System are as following:

- It requires large database.
- It requires stable internet connection.
- The admin or the accountant has to manually manage the inventory

section in the system like what item have been used and what items are coming.

2.5 Dependencies

The system as a web application will perform most tasks and processes by itself; however, it is not autonomous. Therefore, it requires the input of the human user to input some of the data and to choose some reports and items to be generated, apart from other necessities such as the device and internet for it to function properly.

3. Requirements

A functional requirement, in software and systems engineering, is a declaration of the intended function of a system and its components. Based on functional requirements, the team shall determine output that the system is expected to exhibit in the case of a certain input.

Priority Definitions

The following definitions are intended as a guideline to prioritize requirements.

- Priority 1 – The requirement is a “must have” as outlined by policy/law

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- Priority 2 – The requirement is needed for improved processing, and the fulfillment of the requirement will create immediate benefits
- Priority 3 – The requirement is a “nice to have” which may include new functionality

It may be helpful to phrase the requirement in terms of its priority, e.g., "The value of the employee status sent to DIS **must be** either A or I" or "It **would be nice** if the application warned the user that the expiration date was 3 business days away". Another approach would be to group requirements by priority category.

3.1 Functional Requirements

Req #	Requirement	Comments	Priority	Date Rvw'd	SME Reviewed / Approved
BR_01	The system should allow all the user to be able to access is by a log in interface.	By imputing unique username and password, all users can enter their respective pages.	1		
BR_02	After login, each user should have their unique pages and all user categories have different views.	Each user has bounded access based on their respective roles in the business, except of admin.	1		
BR_03	The admin dashboard shall have full access to the system, which is limited only by the Law.	Admin can view everything in the system and can edit most of the information.	1		
BR_04	A database shall be connected to the interface, in order to hold all the data.	The data shall be well structured to be easily used and contained	1		
BR_05	Each user in the database will be identified by a unique primary key and accompanied by their role in the company.	This will make each user uniquely identified and not duplicated.	1		
BR_06	The system should check with the database if the user exists by checking the username and password.	No two users can have the same username.	1		
BR_07					
BR_08					
BR_09					

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Req #	Requirement	Comments	Priority	Date Rvwd	SME Reviewed / Approved
BR_10					
BR_11					

3.2 Non-Functional Requirements