**Software Requirements Specification (SRS)**

**Machine Translation**

**Software Requirements Specification**

**Document**

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# 1. Introduction

*The following subsections of the Software Requirements Specifications (SRS) document should provide an overview of the entire SRS. The thing to keep in mind as you write this document is that you are telling what the system must do – so that designers can ultimately build it. Do not use this document for design!!!*

## 1.1 Purpose

*The Salon Management Application will be designed with the idea of creating an easy sign-in application for Halo Nails’ customers.*

## 1.2 Scope

*Machine Translation will be creating the application: Salon Management.*

*Salon Management will be used as a sign in tool for customers who have entered the store and employees who answer the phone for call-ins. It will also be used as a way to track which employee worked with which customer that day and will have a function to print off the day’s work at the end of each day.*

*The quick benefits of this product is to allow Halo Nails an easier/quicker time handling its guests while being able to keep track of timing of each individual employee. We are hoping that this can lead to additional training to those who may need it.*

*Salon Management will* ***NOT*** *act on multiple different screens. It will only act on a single device located at the front of the store, an iPad. It will* ***NOT*** *be usable in any different language besides Swift and its subsidiaries. Any additional languages or devices will come at the cost of Halo Nails, not Machine Translation.*

## 1.3 Definitions, Acronyms, and Abbreviations.

*SM (Salon Management)*

*MT (Machine Translation)*

*HA (Halo Nails)*

*GUI (Graphical User Interface)*

## 1.4 References

## 1.5 Overview

*The Description of SM and its uses will be in section 2.*

*The requirements of the development will be highlighted in section 3.*

*The future of SM will be highlighted in section 4.*

# 2. The Overall Description

*SM is going to include three pages. One for sign in, one for a list that tracks who is with what customer, and one for when guests call in. The sign in page is to also include a group of “checkboxes” that have each individual task clearly written out for the customer to choose and add that to their desired list of services. On the tracking page the employee shall be able to “swipe left” to open up an extra menu that will allow them to claim or delete customers from the list. The final page will be exactly the same, layout wise, as the sign in page except it will include one extra textbox for the time of arrival of the customer.*

## 2.1 Product Perspective

*The SM project is a sign in chart with a list. Similar to what one can find on a piece of paper at a hair salon. This is not part of a larger system. This right now only runs on a single device. It will be connected to a printer in the future to allow for the printing of the lists daily.*

### 2.1.1 System Interfaces

*There is no larger system at Halo Nails. If there is one added, this will be updated to reflect that.*

### 

### 2.1.2 Interfaces

*The interface is to include a graphical user interface that is easy to use. The GUI is to include:*

* *A way to travel between the three pages*
* *Checkboxes for the services that are included on the sign-in and call-in pages*
* *A way to keep track of the time users entered their name to sign-in*

### 2.1.3 Hardware Interfaces

*This application must run on an iPad.*

### 

### 2.1.4 Software Interfaces

*XCode*

Swift

### 2.1.5 Communications Interfaces

*The interface communicates with itself*

### 2.1.6 Memory Constraints

*Must be under 2GB*

### 2.1.7 Operations

*This will include a print button for the user to print off the list of guests that they serviced that day. Once it is printed. Everything will be reset and start a new day.*

### 2.1.8 Site Adaptation Requirements

*The site will require an iPad plugged in to a charger, or with an extended battery life, to use this application.*

## 2.2 Product Functions

*SM will provide three major functions.*

*One sign-in page.*

*One list page.*

*One call in page.*

*Each page will include the following information –*

*Sign-In Page – all 10 of the specific tasks that can be done at Halo Nails:*

* *Manicure*
* *Pedicure*
* *Combo*
* *Polish Change*
* *Manicure Shellac*
* *Pedicure Shellac*
* *Fullset*
* *Ombré*
* *Fill*
* *Dip Powder*

*These tasks were given to us by Quinntin Duong, owner of HN. They will provided in a checkbox form. There will also be a textbox with the intention of entering the customer’s name and then a submit button. The submit button will add the user to the list page and the list page will automatically come up. There will also be a button for call-ins specifically on this page which will take the user to the call-in page.*

*Call-In Page – this page will include the exact same 10 specfic tasks that are included in the Sign-In Page with the exact same layout. It will also include a textbox for the user to enter a name, but it will also include a second textbox for user to enter a specific time instead of having the time automatically taken like in the Sign-In Page. Hitting the submit button will add the information to the list page, and take the user to the list page automatically as well.*

*Tracking Page – This will include a list of every customer who has entered their name into the sign-in/call-in page, albeit the one’s who have deleted or cancelled their appointment. This will include the name of the customer, the time they hit the submit button (or entered in the case of the call-in page), and the services they have requested. This page will be organized by time. Swiping left on a name will give two options: delete or claim. If the employee chooses delete the name is removed from the sheet, and cannot be tracked anymore. If the employee chooses to claim, they will need to enter their name and click confirm, and then their name will be “assigned” to the right of the customer’s name, and the time that they claimed the customer will be next to the employee’s name.*

## 2.3 User Characteristics

*The intended users of this product will be women for the most part. We will aim for a shinier design, one that also matches the already laid out design of HN.*

## 2.4 Constraints

*The developers can only work with Swift/XCode to develop this project.*

## 2.5 Assumptions and Dependencies

*MT assumes that MacOS will be the determining software for the device to be used is an Apple iPad.*

## 2.6 Apportioning of Requirements.

*We will be able to get everything done in the time allotted.*

# 3. Specific Requirements

**3.0.1** *The application, Salon Management, shall allow its users to sign into the list page through a sign-in page. This page will also include ten(10) options for customers to choose from:*

* *Manicure*
* *Pedicure*
* *Combo*
* *Polish Change*
* *Manicure Shellac*
* *Pedicure Shellac*
* *Fullset*
* *Ombré*
* *Fill*
* *Dip Powder*

**3.0.2** *The application shall offer an easy to read list page so both customers and employees know what they are looking at.*

**3.0.3** *The application shall offer a second sign-in page designs for when a customer calls in to schedule an appointment in the future. This will be connected to the main sign in page. It will also include ten(10) choices for the employee to enter for the customer:*

* *Manicure*
* *Pedicure*
* *Combo*
* *Polish Change*
* *Manicure Shellac*
* *Pedicure Shellac*
* *Fullset*
* *Ombré*
* *Fill*
* *Dip Powder*

*This page will also include a place to manually enter the time to schedule the appointment.*

**3.0.4** *The application shall offer an easily accessible print functionality added to the list page that will allow HN to print off its customers for the day.*

**3.0.5** *The application should have a nice interface, complete with design that compliments the existing design of HN.*

## 3.1 External Interfaces

*There are no External Interfaces.*

## 3.2 Functions

*The application shall have a validity check on the name textbox to make sure the name does not include any numbers.*

*The application shall include a input mask over the time so the user can just enter a number and it outputs the time as 00:00 on the call-in page.*

*The application shall check that at least one checkbox for the tasks is checked before submitting the name to the list page.*

*The application shall allow the user to cancel any sign-in request.*

## 3.3 Performance Requirements

*The number of devices to be supported: 1*

*The number of people using the product at once: 1*

*The amount of people on the list by the end of day: 50-75*

*The list page should be updated in a 1 second after the user hits submit on either the sign-in or call-in pages.*

## 3.4 Logical Database Requirements

*We are not creating a database.*

## 3.5 Design Constraints

*The things that HN have requested is perfectly within our capability as programmers.*

## 3.6 Software System Attributes

### 3.6.1 Availability

*This program is to frequently on-demand. This means it will be loaded up everyday, but will act as a program and will be shut off at the end of everyday.*

### 3.6.2 Security

*MT will make this program secure only by keeping it away from the internet. There will be no extra practices or techniques that will keep this program from being used for malicious content. As such, MT is not held responsible for any use of this program in such a way.*

### 3.6.3 Maintainability

*The system will be maintained by HN. If any goes wrong with the program that was designed by MT, MT will fix it. If HN wants additional content added to the program, MT will provide it at a price determined by the circumstances.*

### 3.6.4 Portability

*The vast majority of the code will not be able to be transferred to other devices such as android or windows. It will require a whole new program to be rewritten in order to transfer.*

## 3.7 Organizing the Specific Requirements

*This is a very simple program. There aren’t any specific requirements that have not already been mentioned throughout this document.*

# Change Management Process

*Everything stated in this document is finality. Anything additional the customer may want to add will be at the discretion of a group consensus of the programmers/designers involved and may at additional cost to the customer.*

*The design is to be based on the finality of the GUI that the customer and the programmers agree on, on July 27th, 2018. Any future changes will come at the cost of the customer.*

# Document Approvals

*Head of Software Development:*

*Customer/Owner of Halo Nails:*

*Project Manager:*

# Supporting Information

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