Salon Appointment App

Higher National Diploma in information system management

Final Project Proposal

21.1P

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0.1 Introduction

Salon appointment app enables the clients to make appointments via online with their personal profile without going to the salon or making phone calls.

When the application implemented, the users who uses this application will be able to see all information and provided by the salon appointment app. The app also provides services like request detail about hair treatments, facial treatment, and reviews of other customers. The data is stored in the database and is retrieved whenever necessary the implementation needs salon appointment app.

To develop this app system the entire operation has been divided into, the following step:

       i.   Verification process
      ii.   Language service and account selection
     iii.   Special services

The app is design in such a way that the users have to account. Once verified, he has provided a menu and she / he had to enter the option provided in the menu. For example, when the user wants to view the list of appointments history provided in the main menu. When the option is entered alone with the respective arguments, then the appointment history is display on the screen.

The user also must be given option to browse thought the pages like previous page, next page etc. The user may experience a delay in retrieving or viewing the data, when there are many users logged on to the same application.

0.2 Client Information

Client Name – Salon Isansu

Salon Isansu is a small-scale salon and dress making business which was started in 1989 and was officially registered as a business in 1993.

0.3 System Feasibility

3.1 Study of Current/ Existing system

In this manual system, clients must a make a phone call to a make an appointment or go physically to the salon.

Doing this manual process, this process is time consuming, and it requires a great manual effort.

Disadvantages

- More time consuming
- More hard work to maintain all records.

3.2 Feasibility study

3.2.1 Technical feasibility

The system is being developed in android studio it provides comprehensive functions to make it user friendly.

3.2.2 Social feasibility

As this system is user friendly and flexible some problems will also be solved which employee may be facing when using existing manual system. So, we can say that system is socially feasible.

3.2.3 Economic feasibility

The cost of converting from manual system to new automatic computerized system is not probably more. For construction of new system, the not rooms and its facilities are available so it does not require any extra resource only the software requirement is there.

0.4   System Requirements

4.1 Hardware Requirements (Developer side)

- Processor - Intel Core i3 or above Processor
- Hard Disk – 500 MB disk space
- RAM – 8 GB
- 1 GB for Android SDK
- 1280x800 screen resolution

4.2 Software Requirements

- Operating System – Microsoft Windows 7/8/10 (32 or 64 bit)
- Front End – Android Studio
- Back End – MySQL

4.3 Technologies to be used

- Front End – Android Studio
- Back End – MySQL ,Visual Studio Code

0.5   Functional Requirements

5.1 Appointments Calendar (Administration side/Client side)

The appointment Calendar enables customers to book dates for their relevant services as they require. Further it also gives the authority to the system admin to block the holidays of the salon.

5.2 Appointment Management(Administration side)

By this function of the application when a customer book a relevant date, the services of the need can be selected from the application. The confirmation of the appointment is sent to the customer through an email. Further the total payable of the customer is also be displayed and notified. The application also gives the authority to the customer to cancel their appointments anytime.

5.3 Tailor Shop Management(Administration side/ client side)

By this function of the application the tailor will be able to view, edit and add new customer measurements and order details.

0.6   Non-functional Requirements

Basically, non-functional requirements relate to qualities of the system that cut across user facing features, such as security, reliability, and performance.

• Accessibility – The system should be able to be access anywhere at any time by the authorized users.

• Accuracy – The correctness of data inputs to the system should be ensured.

• Availability – System should be available within working hours. But can be used at special occasions also. E.g.: - At a bridal dressing

• Efficiency – Users should be given the facility to perform the salon and tailor shop management processes correctly through the salon and tailor shop sales record management system.

• Effectiveness – Users should be given the facility to perform correct salon and tailor shop management processes via the suggesting system.

• Maintainability – This is a considerable factor especially for a non-technical user. Maintainability of the system should not more complex.

• Privacy – The confidentiality of the data inputs to the system should be assured.

• Reliability - Ability of the suggested system to function under stated conditions for a specified period of time should be assured.

• Robustness – When handling payments this function should be considered.

• Security – The data feeds to the system should be protected by controlling the user access privileges.

0.7   System Overview

Use Case : Use case is a description of the set of sequins of the actions that a system perform that yields an observable results of values to a particular things in a model.
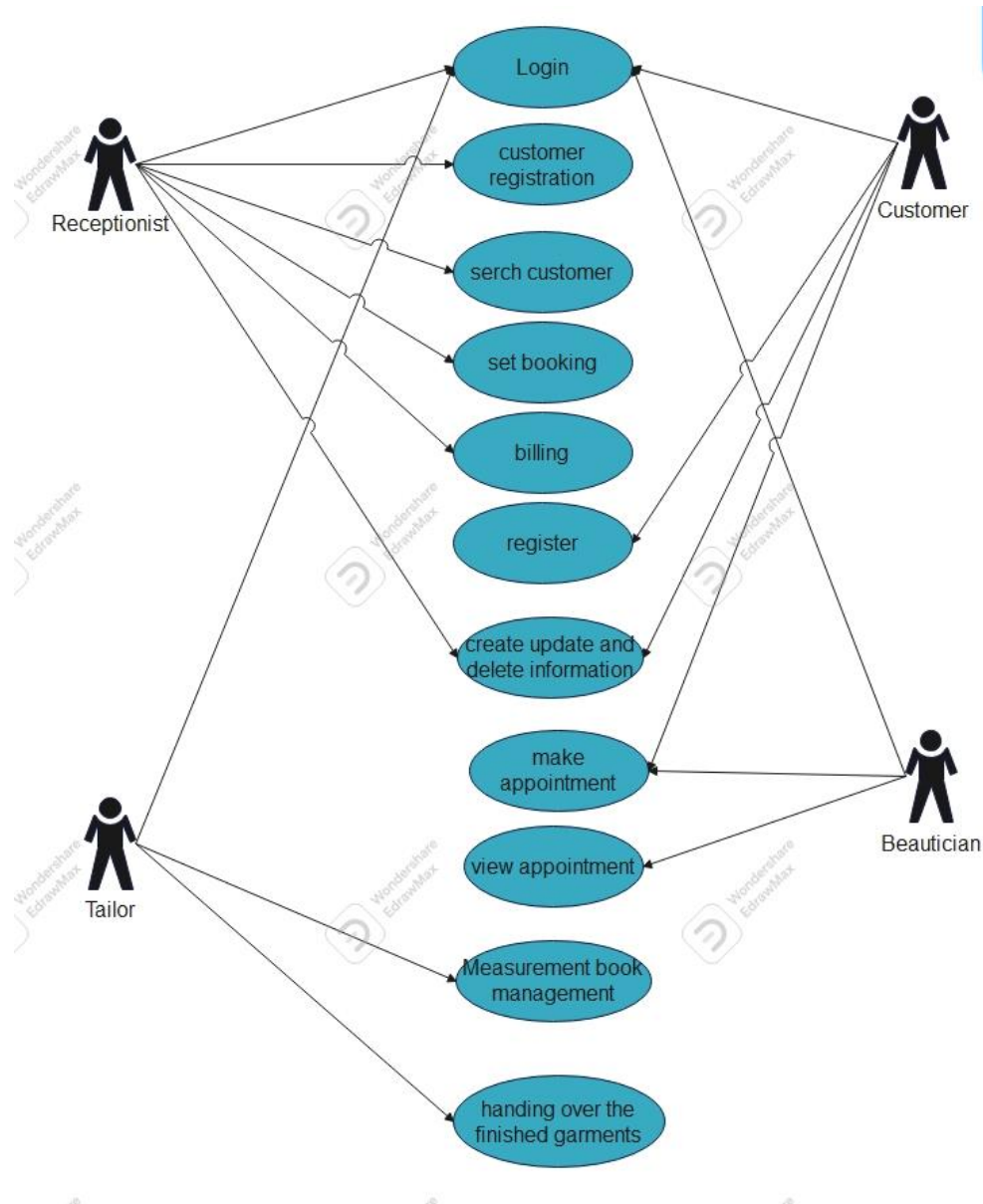

Figure 01: Use Case Diagram for the Proposed Salon Management System

0.8   Project Abstract

The salon appointment app is the project which is used to access their salon information and make appointments. Whenever the user needs to make appointment. They can login to their account with their own PIN (Personal Identification Number) and it will display the available time slots to make appointments.

The salon appointment app is developed in Android studio which is very user-friendly platform. Hence, we use this software in our project.

The app will service many customers at a time. A customer will be required to enter PIN and Verification code bot of which will be sent to the database for the validation as part of each process. The customer will then be able to make one or more appointments.

The app will communicate each appointment to the database and obtain a verification that it was allowed by the database. In the case of making appointments, a second message will be sent after the transaction has been physically completed. If the database determines that the customer's PIN is invalid the customer will be required to re- enter the PIN before making an appointment can proceed.

0.9   Timeline

Activity	December 2022				January 2023				February 2023				March 2023				April 2023			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Gathering Requirements	■	■	■	■																
Problem Identification				■																
Feasibility Study					■															
Designing the System					■	■	■	■	■											
Implementing the System										■	■	■	■	■	■	■	■			
Testing Errors																	■	■		
Documentation																		■	■	■