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Online Spa Appointment Booking System

¹T Husna, ²Vallivedu Lahari, ³Madanapalli Ramakrishna, ⁴Gujjala Harshavardhini, ⁵Dr. P. V. Venkateswara Rao
¹²³⁴⁵Computer science and Engineering

¹Department of Computer Science and Engineering,
¹Madanapalle Institute of Technology and Science, Madanapalle, India

Abstract: The online spa booking system is a web-based spa management application with booking scheduling capabilities. Connect clients, spas and stylists in an online community to allow users to browse, book and cancel spas and stylists. Users can also write and read reviews for spas and specific stylists. At the spa you can list the stylists who work in the salon and the services they offer. The spa also allows you to book clients and view and print your schedule in a convenient format. The system manages spa details, daily bookings, output of many reports (employee payroll reports, product reports, booking reports, etc.), service management, billing, employee details management. Manage customer details, membership services, postpaid services, and daily transaction notification systems. This system helps to increase the efficiency of the spa process.

Index Terms - Online booking, MVC architecture, SQL, C #.

I. INTRODUCTION

Technology is a trend in today's online business. The Internet is also used by many to do everything, including supporting business activities through online applications. Various types of online applications are available, from online e-commerce applications to online booking systems. On the other hand, this year's beauty business is expected to grow. Everyone is interested in looking more beautiful than others. [1]

The online spa booking system is a web-based application dedicated to both male and female cosmetology treatments. Stylists are in great demand for their services. The changes that most people experience after visiting a salon make it a fairly patronized business. This system connects you to the spa with an online platform that allows you to browse the spa and its services. This system helps users to review different spas, select one of them and make a reservation. Users may also be able to select a stylist from the spas that are interested in receiving the service. The user can cancel the appointment at any time. Customers can check the service and suggest improvements. This is a simple and interactive interface suitable for all age groups. [6]

II. LITERATURE REVIEW

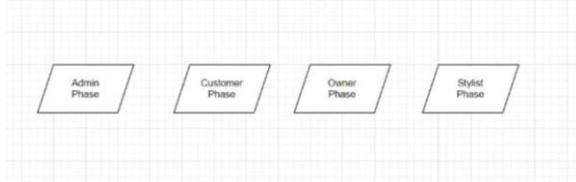
The online spa booking system is a web-based spa management application with booking scheduling capabilities [10]. The system allows users to see spas and stylists online and book online. The system allows beauty salon owners to create an account online, provide details on the services they offer, and explain stylist information. Users can use this system to see the spa and its services and book online with their favorite stylist. Users can also cancel appointments online. Users can also write reviews about spas and stylists. This system is useful for both clients and spas. Customers can easily find the best spa in their area and see reviews of other customers at that spa online. It helps him decide whether to use the services of a particular spa. [3]

The spa's traditional system was not manually safe and could cause major problems because there was no counting system for clients entering the salon. Both customers and owners are facing problems. The online spa booking system allows different spas to manage stylists and services, promote sales to customers, and efficiently track customer satisfaction. [9]

III. PROPOSED SYSTEM:

i. Methodology:

In this project, there are four phases for defining the methodology. 1) Admin phase, 2) Customer phase, 3) Owner phase,



4) Stylist phase.

A. Admin phase

The administrator manages the entire system. Administrators serve customers, phase shop owners, and act as a bridge between customers, spas, and stylists.

B. Customer phase

Customers register and log in to the system. The customer searches for the desired service and makes a reservation. You can cancel your reservation at any time by selecting a stylist. Customers also provide reviews and suggestions regarding the service.

C. Owner phase

The owner registers his shop with this web application and the employee provides the service according to the customer's requirements. You can access customer data and manage your invoices.

D. Stylist phase

The stylist will serve the client according to the client's requirements. Stylists can use this system to manage appointments and their working hours.

ii. Software details:

ASP .net:

ASP.net is a technology that needs to be integrated into the system in order to develop applications. The application uses the MVC architecture (models, views, controllers).

Visual studio:

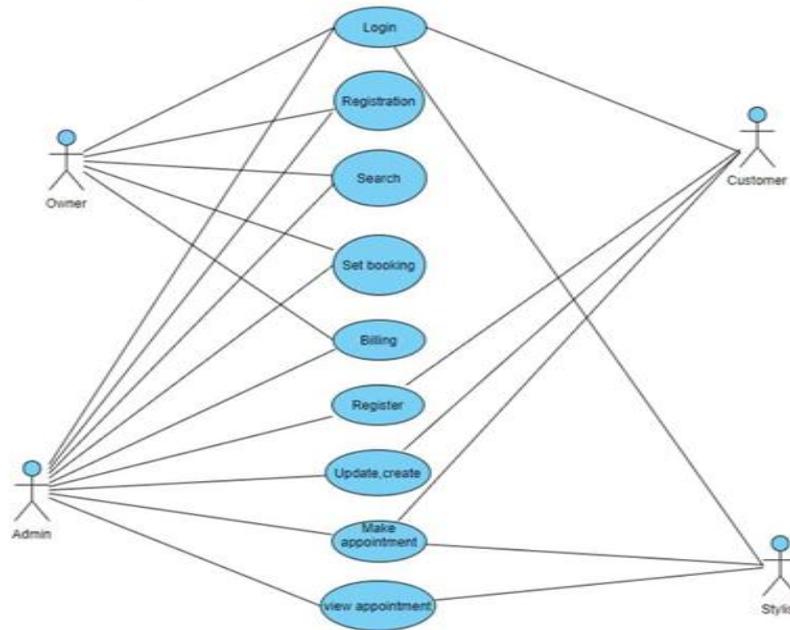
Visual Studio is used to develop applications. I developed the logic using the ASP .net MVC architecture and connected the front-end and back-end applications.

Microsoft SQL management:

Microsoft SQL Management is used for backend development. The database is used to store application data [5].

iii. Application design:

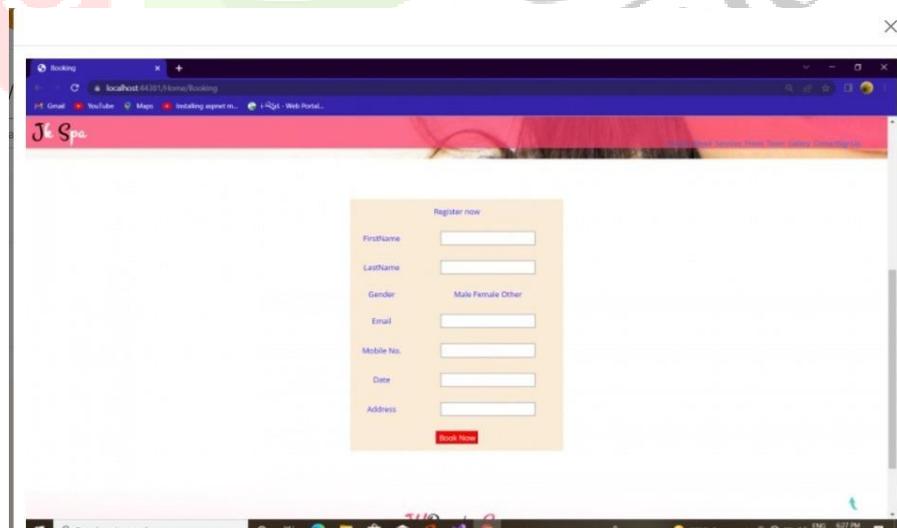
When developing an online spa booking system, use the programming languages C #, HTML, CSS, and SQL. The design of the online spa reservation system application consists of database design, user interface design [7], and reservation function[4].



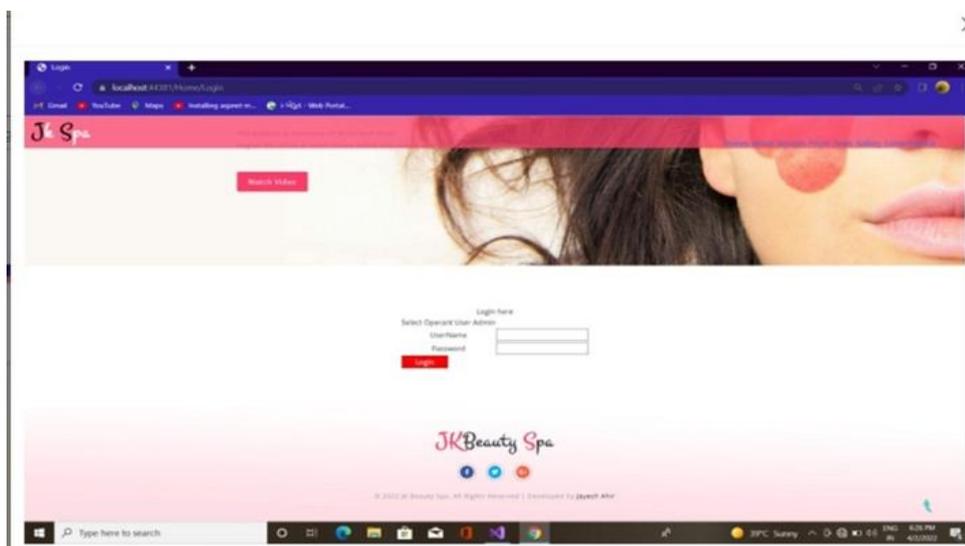
The use case diagram we created is divided into four parties: administrator, customer, owner, and stylist. The administrator manages the system such as registration and login, accounts, bookings, and review provision. A customer actor who logs in to book a service. The owner who registers the spa on request and oversees the stylist service to the client. The stylists employed by the spa serve clients .[2]

IV. USER INTERFACE & RESULTS

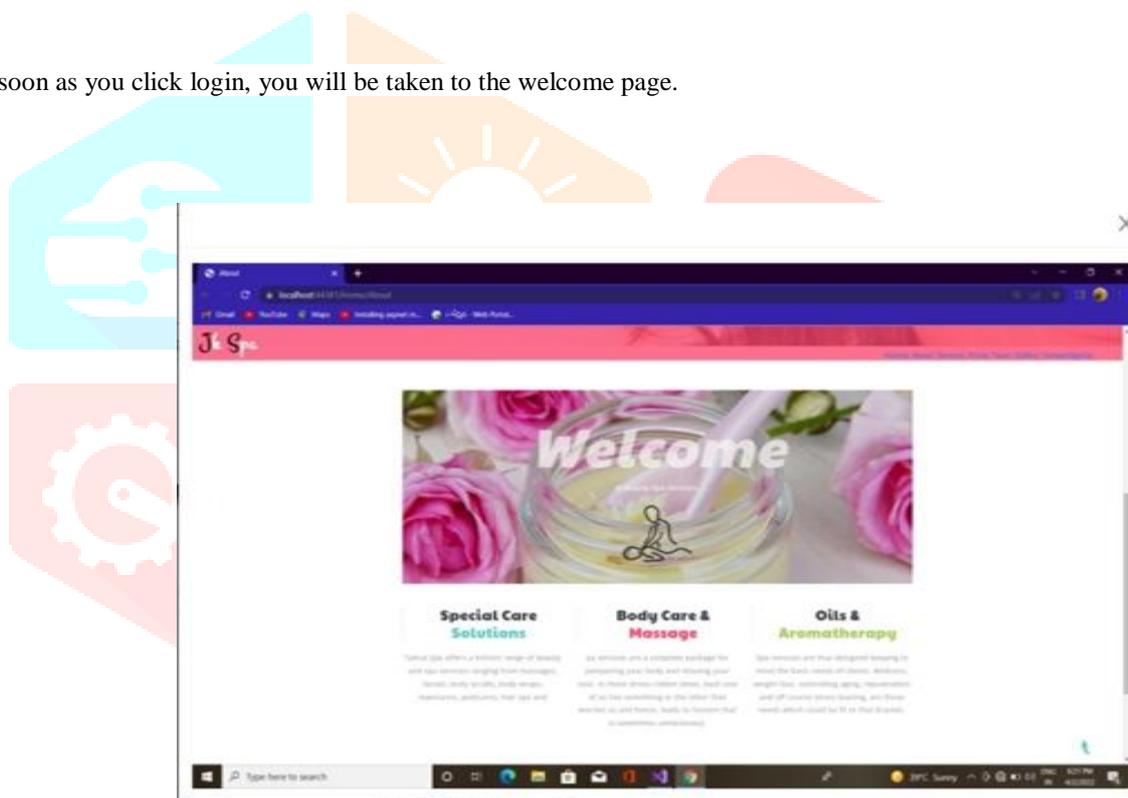
1) The first customer of the spa booking system wants to register on the website. Upon registration, the user must provide basic information such as first name, last name, gender, email, mobile number, date and address. [8]



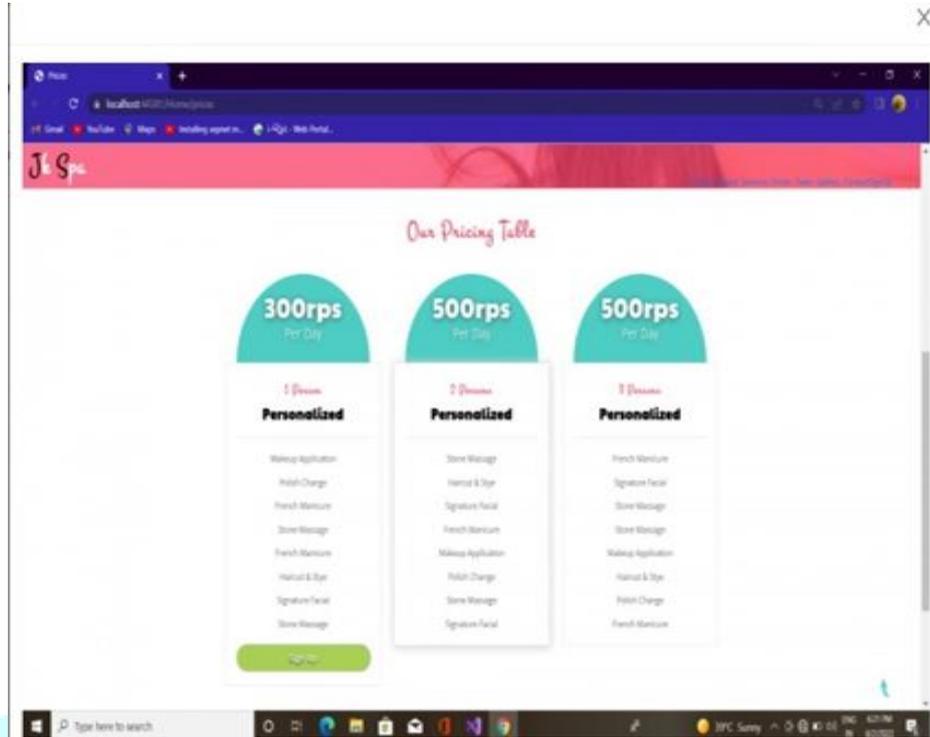
2) If the customer already has an account, log in to the website using their username and password.



3) As soon as you click login, you will be taken to the welcome page.



4) Select the service you need and pay for it. Otherwise, you can pay in arrears.



V. CONCLUSION:

This application helps users book appointments online according to the services they need and spend a lot of time booking appointments in phone or offline mode. This allows customers to select a stylist and enjoy a comfortable service. Customers can also rate spas and stylists. Use our membership services to learn better and learn more about our products, how to use them, and how they can help your body.

REFERENCES

1. Su Gibson," Technology for spas, saloons and wellness centers", university of south Carolina beaufort,2021.
2. Ali Pişirgen, Serhat Peker," A UML-Based Conceptual Model for Appointment Booking Systems", 6th International Conference on Computer Science and Engineering (UBMK),2021.
3. William Zequiri," Let online bookings power your business",informat,2020.
4. Ian Griffiths,"Programming in c#",O'Reilly Media,2020
5. ,Ville Toni Taipalus Seppanen,"SQL Education", ACM Journals,2020.
6. Anita Quade, "The software solution", informat,2020.
7. Jeffrey C. Jackson, "Web Technologies--A Computer Science Perspective", Pearson Education, 2019.
8. Robert. W. Sebesta, "Programming the World Wide Web", Fourth Edition, PearsonEducation, 2019.
9. NAJIHAH BINTI RUSSLI, "Spa Beauty Management System", UNIVERSITI TEKNIKAL MALAYSIA MELAKA,2014.
10. Hazizah Binti Hamid, "Online Booking D'Tratak Muslimah Spa(e-spa)", Universiti Teknologi MARA,july2016.