

BIT (External Degree)
University of Moratuwa



PROJECT REPORT

Salon Management System

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Abstract

To design an effective salon management system, it is very important to review the existing literature and software solutions in the beauty and salon industry, highlighting the reduction of waiting time for customers and the improvement of resource allocation.

This system provides detailed management functionality in salons, Day reservations, and billing. This system will help to improve the high efficiency of the processes of the salons. Implemented the project using Visual Studio 2022. Coding was done using C# programming language.

The system will provide a user friendly simple interface which will help them to make a reliable, quick and effective service for their customers.

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Chapter 1: Introduction

1. Background

Modern beauty culture is rapidly becoming popular among the people day by day. Especially among young people. When they are looking for the best way to manage their salons more efficiently Attract customers to salons. With the need to do the work easily on that day, resorting to such a system is a successful decision.

2. Objectives

- Eliminate the use of paper-based work, such as that used on salon premises.
- Avoiding the use of digital books like a diary to record appointment details, a bill book to record payments made by customers, etc.
- Eliminate the waste of customers' time, resources, effort, and money.
- Improving the efficiency and effectiveness of salon management activities
- Facilitating management and decision-making while improving the well-being of salons
- Improve customer satisfaction and employee satisfaction. Improve stakeholder integration.

3. Scope of the Project

The proposed system will manage the day-to-day salon process easily.

- Manage Service Details:
Every salon has authenticity in its services related to beauty culture. The salon should maintain a service list with prices and service details. It also helps salon employees deal with customers. Especially when creating bills. To complete this Management Services module added to the system.
- Manage bookings by salon:
Customers of the salon can call the salon directly, and the salon administrator must Create a booking for that customer with a specific service and time.
- Manage customer details:
Their customers are mostly regulars. So they plan to keep Historical data to assess who received services and products from their salons. For this, they have to keep customer information against the records issued by them.

Chapter 2: Similar Systems

It was very difficult to find similar systems available, as most salons only use their websites to promote their services. It was quite difficult to find a booking system because, most of the time, telephone facilities were used for bookings.

- <https://www.naturals.lk> :

The client has the ability to select the activity they want and book a time on a day. Figure 2.1 displays the appointment creation screen at 'naturals.lk' site.

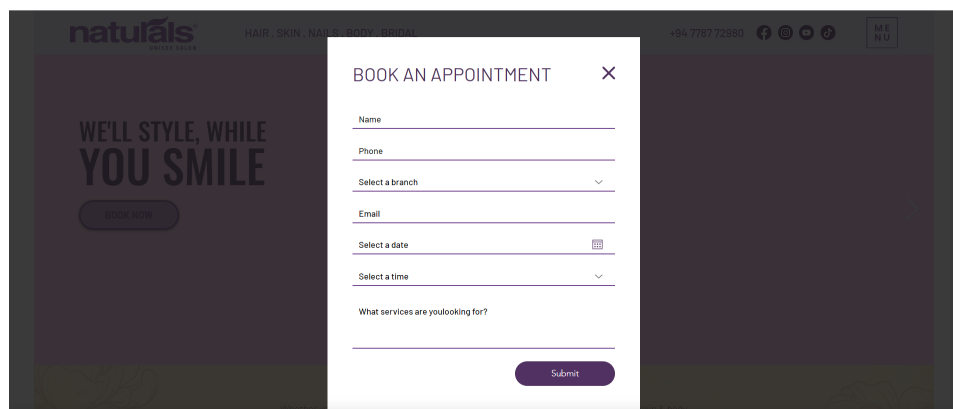
The image shows a web browser window with the 'naturals' website. The main header includes the logo 'naturals' and navigation links for 'HAIR', 'SKIN', 'NAILS', 'BODY', and 'SPECIALS'. A phone number '+84 7787 72980' and social media icons are also present. A 'MENU' button is in the top right. The background features a large banner with the text 'WE'LL STYLE, WHILE YOU SMILE' and a 'BOOK NOW' button. Overlaid on this is a white 'BOOK AN APPOINTMENT' form. The form contains fields for 'Name', 'Phone', 'Select a branch' (a dropdown menu), 'Email', 'Select a date' (a calendar icon), 'Select a time' (a dropdown menu), and a text area for 'What services are you looking for?'. A 'Submit' button is at the bottom right of the form.

Figure 2.1 Appointment Screen of Naturals Unisex Salon

- <https://www.fresha.com> :

The client can select the activity they want and book a time on a day. Figure 1.2 displays the appointment creation screen at

“<https://www.fresha.com/a/salon-zero-pvt-ltd-nugegoda-240-1-1-b120-e4yiz8bp>” site.

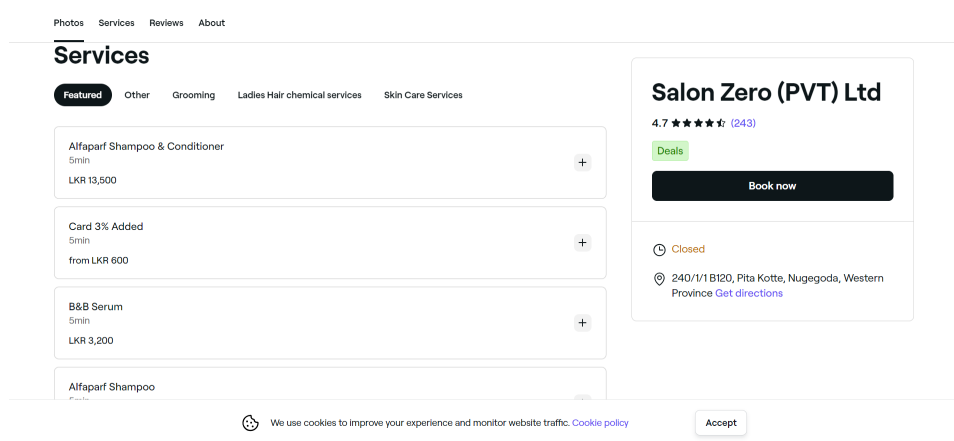


Figure 2.1 Appointment Screen of Naturals Unisex Salon

- <https://booksy.com> :

This website provides booking facilities in various salons in various countries. The client has the ability to select the activity they want and book a time on a day. Figure 1.3 displays the appointment creation screen at ‘booksy.com’ site.

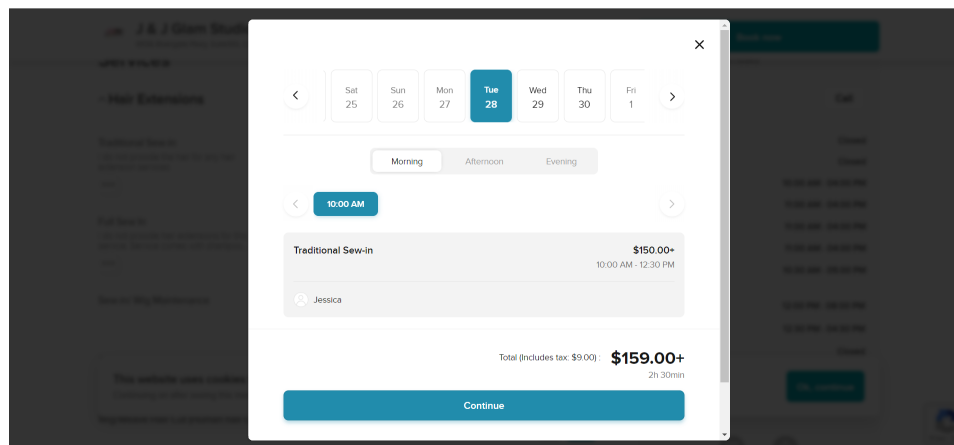


Figure 2.1 Appointment Screen of Naturals Unisex Salon

Chapter 3: Solution

1. Functional Requirements

- Booking Dashboard: Enables customers to make bookings very easily without making mistakes.
- Online Bookings: This allows customers to make their appointments online.
- Manage inventory of products and equipment—this helps the owner maintain inventory, thus preventing stock-outs.
- Billing Management: Prevent manual calculation of bills user-friendly and reliable for the customer.
- Employee Management: Only authorized people can view employee details.
- Authentication Management: Improve system reliability and security.

2. Non-functional Requirements

- Accessibility: Users can access the system at any time.
- Productivity: Users are given the facility to do the right salon Management processes through the proposal system.
- Privacy: Confidentiality of data entries into the system is guaranteed.
- Security: protected by controlling the data feed into the system.

3. Flow Chart

This allows the customer to log in to their existing account if they have an account and to install a new account if they do not have an account. After logging in, you can easily check your bill after entering a date and time, as well as what you need. These tasks are illustrated by the flow chart in Figure 3.3.1

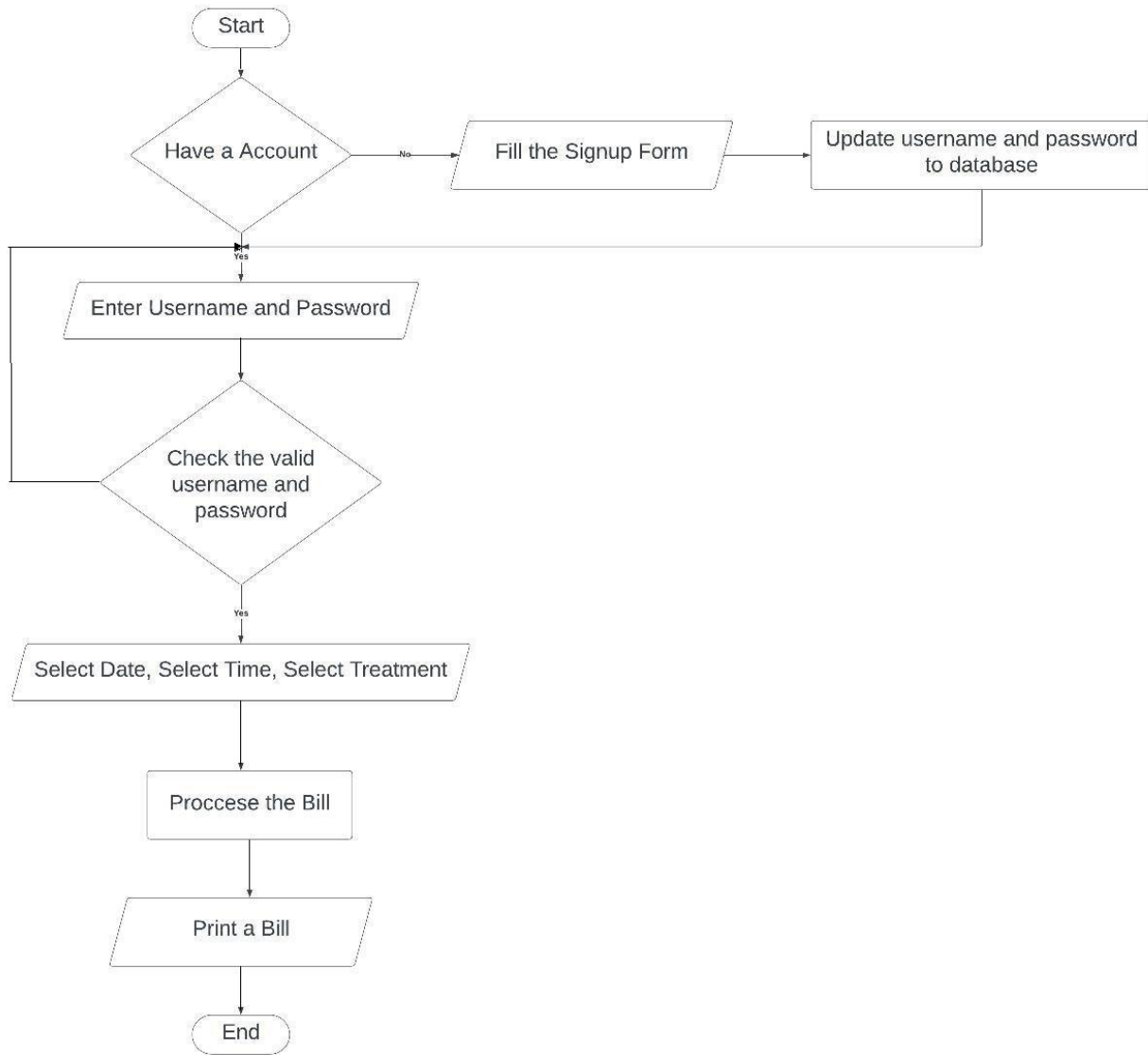


Figure 3.3.1 Flow Chart

4. Pseudo Code

In Figure 3.3.1 the above flow chart, pseudo-code is shown in the Figure 3.3.2

```
Is the user logged in?
If yes, then:
    Display the main menu
Else:
    Display the login form
    Get the user's username and password
    Validate the user's input
    If the user's input is valid, then:
        Log the user in
        Display the main menu
    Else:
        Display an error message

If the user does not have an account, then:
    Display the signup form
    Get the user's name, email address, and password
    Validate the user's input
    If the user's input is valid, then:
        Create a new account for the user
        Log the user in
        Display the main menu
    Else:
        Display an error message
```

Figure 3.4.1 Pseudo Code

Chapter 4: Development Process

1. Development Tools

- **Microsoft Visual Studio**

Microsoft Visual Studio is an integrated development environment (IDE) from Microsoft. It is used to develop computer programs for Microsoft. The Windows superfamily of operating systems, as well as web sites, applications and web services. Visual Studio uses Microsoft software development. Platforms such as the Windows API, Windows Forms, and Windows Presentation Foundation, Windows Store, and Microsoft Silverlight. It can produce both native and managed code.

Chapter 5: Conclusion

By conducting a comprehensive review of existing literature and using user-centered design and development methodologies, I aim to develop a system that increases the efficiency of salon operations while providing convenience and satisfaction to customers.