

A Novel Method of Salon Management System Using PHP and MySQL

This Software Project Report Submitted to the Department of CSE

Submitted By:

S.M.Murshed Manik

ID: 200321002

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Submitted To:

M.M Musharaf Hussain

Associate Professor & Head

Department of CSE

University of Creative Technology Chittagong



Department of Computer Science & Engineering

School of Science & Engineering

University of Creative Technology Chittagong

Abstract:

Area: Seamless communication with salon customers for appointment reminders and personalized notifications. Efficient scheduling and management of salon appointments.

Importance: The Men Salon Management System using PHP and MySQL plays a crucial role in optimizing salon operations, enhancing customer satisfaction, and driving business growth. It helps salon owners and managers streamline their processes, make informed decisions, and stay ahead in a competitive market.

Objective: The major goal of adopting this management application is to ease salon booking administration, inventory management, and payments. With its built-in search feature, this system makes it easier to track down a record.

Methodology: Implementing the system using PHP as the programming language and MySQL as the database management system. This involves coding the various modules and functionalities of the system.

Functionality: Enables customers to schedule appointments for salon services, such as haircuts, shaves, or grooming sessions. It allows staff members to view and manage appointments, ensuring efficient scheduling and avoiding conflicts.

Result: The system automates and streamlines salon operations, such as appointment management, staff scheduling, and inventory control. This leads to increased efficiency, reduced manual effort, and optimized resource utilization.

Limitation: The system that is developed in this thesis report has a number of limitations. First, the system is not designed to handle a large number of users. Second, the system is not designed to handle a large volume of data. Third, the system is not designed to be used in a mobile environment

Keywords: Salon management system, PHP, MySQL, appointment scheduling, customer management, employee management, inventory control, sales tracking.

1. Introduction:

The market for men's salons is expanding. Men who are concerned with maintaining their appearance have become more prevalent in recent years. Men's salons are becoming more in demand as a result of this. Salon proprietors need a system for running their companies efficiently. They must be capable of managing appointments, clients, and inventory. In order to track their sales and earnings, they also need to be able to provide reports. This thesis paper details the creation of a PHP and MySQL-based men's salon administration system. The technology is designed to assist salon owners in running their companies more efficiently.[1] The system is designed to be modular. This means that it is easy to add new features and modify existing ones. The system is divided into three modules:

- a) The appointment module is used to schedule appointments.
- b) The customer module is used to manage customers.
- c) The inventory module is used to track inventory.

The system is also designed to be scalable. This means that it can be used by salons of all sizes. The system was developed using PHP and MySQL. PHP is a server-side scripting language that is used to create dynamic web pages. MySQL is a relational database management system that is used to store data. The system was developed using a modular approach. This made it easy to add new features and modify existing ones. The system was tested using a variety of methods. These methods included unit testing, integration testing, and system testing. Unit testing is used to test individual units of code. Integration testing is used to test how different units of code interact with each other. System testing is used to test the entire system. The system was also tested by a group of users. The users were asked to use the system and provide feedback. The system was deployed to a live server. The server is hosted by a hosting provider. The system is currently in use by a number of salons. The system has been developed successfully. It is a modular, scalable, and easy-to-use system. The system is currently in use by a number of salons.

The system has a number of benefits for salon owners. These benefits include:

- Improved efficiency: The system can help salon owners to manage their businesses more efficiently.
- Increased productivity: The system can help salon owners to be more productive.
- Reduced costs: The system can help salon owners to reduce their costs.
- Improved customer service: The system can help salon owners to provide better customer service.

The system is a valuable tool for salon owners. It can help them to manage their businesses more effectively and improve their bottom line.

2. Literature Review:

The literature review will discuss the following topics:

- a) The men's salon industry
- b) The benefits of using a salon management system
- c) The challenges of developing a salon management system
- d) The technologies used to develop a salon management system

The men's salon industry is a growing market. In recent years, there has been an increase in the number of men who are interested in taking care of their appearance. This has led to an increase in the demand for men's salons. The men's salon industry is worth an estimated \$100 billion in the United States alone. The industry is expected to continue to grow in the coming years.[\[2\]](#)

There are a number of benefits to using a salon management system. These benefits include:

- a) Improved efficiency: A salon management system can help salon owners to manage their businesses more efficiently. This can save time and money.
- b) Increased productivity: A salon management system can help salon owners to be more productive. This can lead to increased profits.
- c) Reduced costs: A salon management system can help salon owners to reduce their costs. This can be done by automating tasks, such as scheduling appointments and managing inventory.
- d) Improved customer service: A salon management system can help salon owners to provide better customer service. This can be done by providing customers with the ability to book appointments online, view their appointment history, and make payments.

There are a number of challenges to developing a salon management system. These challenges include:

- a) The need for a modular system: A salon management system needs to be modular so that it can be easily adapted to the needs of different salons.
- b) The need for a scalable system: A salon management system needs to be scalable so that it can be used by salons of all sizes.
- c) The need for a secure system: A salon management system needs to be secure to protect the privacy of customers' data.

There are a number of technologies that can be used to develop a salon management system. These technologies include:

- I. PHP: PHP is a server-side scripting language that is used to create dynamic web pages.
- II. MySQL: MySQL is a relational database management system that is used to store data.
- III. HTML: HTML is a markup language that is used to create web pages.
- IV. CSS: CSS is a style sheet language that is used to control the appearance of web pages.
- V. JavaScript: JavaScript is a programming language that is used to add interactivity to web pages.
- VI. Bootstrap: Bootstrap is the most popular CSS Framework for developing responsive and mobile-first websites.

The literature review has provided a foundation for the development of the thesis report. The thesis report will discuss the design, implementation, and testing of a men's salon management system.

3. Methodology and Implementation:

The development of the Men Salon Management System follows a systematic approach to ensure an effective and efficient implementation. The methodology encompasses various stages, including requirements gathering, analysis, design, implementation, testing, and evaluation. The following sections outline the key steps involved in the methodology:[\[3\]](#)

Design: The design phase involves creating the architectural and database design for the Men Salon Management System. The system architecture outlines the components, modules, and their interactions within the system. The database design includes defining the database schema, tables, relationships, and data storage requirements. User interface design focuses on creating an intuitive and user-friendly interface for salon owners, administrators, and other users. This initial phase involves gathering information from stakeholders, including salon owners, administrators, and potential system users, to identify their specific needs and expectations.[\[4\]](#) Interviews, surveys, and workshops may be conducted to capture requirements related to appointment scheduling, customer management, employee management, inventory control, and sales tracking. Clear and comprehensive requirements are documented as a foundation for subsequent stages.

Analysis: During the analysis phase, the gathered requirements are carefully examined and analyzed to determine the system's functionalities, data structures, and workflows. Use cases and scenarios are created to illustrate how users will interact with the system and accomplish tasks. The analysis phase helps identify any potential challenges, dependencies, or constraints that need to be considered during system design.

Testing: Testing is a crucial stage in the development process to validate the system's functionality, performance, and reliability. Different types of testing are performed, including unit testing to verify individual components, integration testing to ensure the seamless integration of different modules, and system testing to evaluate the system as a whole. Usability testing is conducted to assess the system's ease of use and effectiveness from the user's

perspective. Additionally, performance testing and security testing are conducted to ensure the system can handle expected workloads and safeguard data.

Evaluation: The evaluation phase involves assessing the Men Salon Management System's performance, usability, and effectiveness. Feedback from salon owners, administrators, and users is gathered to identify any issues, areas for improvement, or additional features that may enhance the system's functionality. This feedback helps refine the system and address any concerns before deployment.[5]

The methodology described above ensures a systematic and structured approach to develop the Men Salon Management System. By following this methodology, the system aims to meet the specific requirements of the salon industry and provide a robust, user-friendly, and efficient solution for managing salon operations effectively.

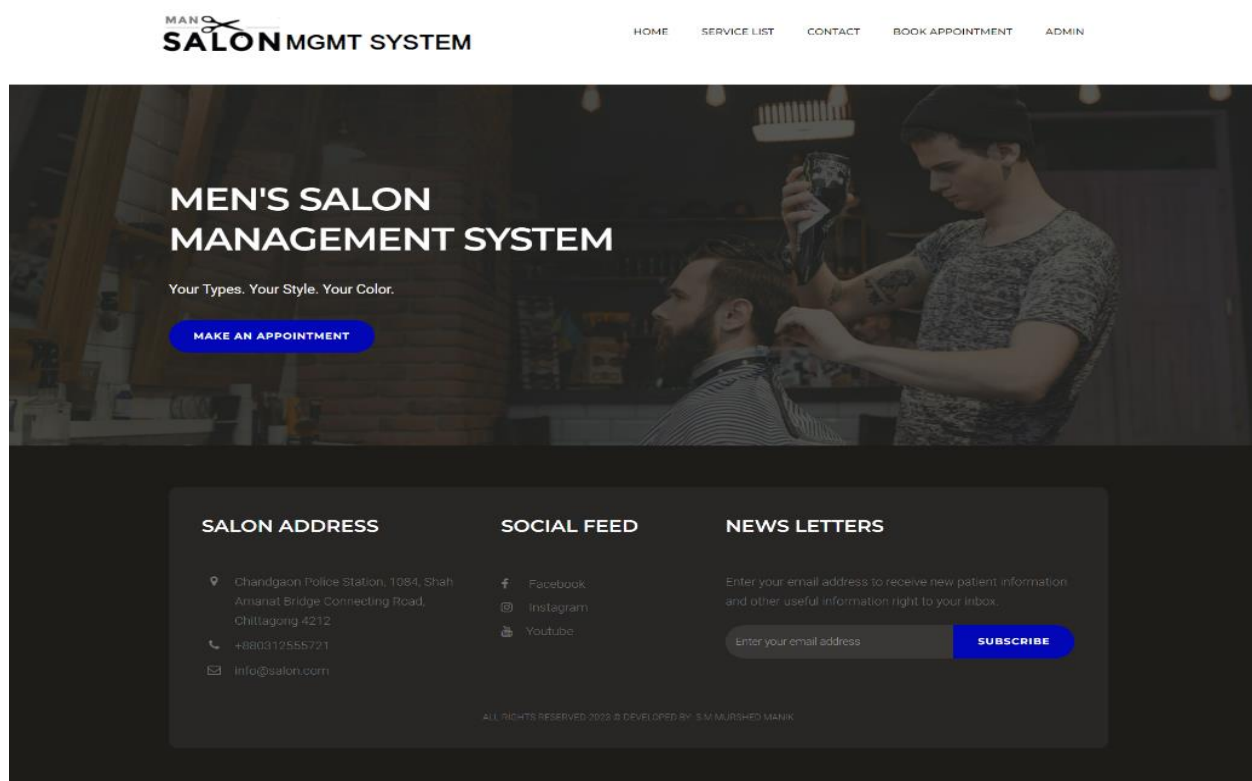


Fig: Home Page

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CONTACT INFO

Address.
Chandgaon Police Station, 1084, Shah
Amanat Bridge Connecting Road,
Chittagong 4212

Phone. 880312555721

Email
info@salon.com

Timing
10:00 am to 11:00 pm

ABOUT US

BEST EXPERIENCE EVER

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📍 Chandgaon Police Station, 1084, Shah
Amanat Bridge Connecting Road,
Chittagong 4212

📞 +880312555721

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Fig: Contact Page

BOOK APPOINTMENT

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APPOINTMENT FORM

Book your appointment to save salon rush.

NAME	PHONE
<input type="text" value="Name"/>	<input type="text" value="Phone"/>
EMAIL	SERVICES
<input type="text" value="Email"/>	<input type="text" value="Select Services"/>
APPOINTMENT DATE	
<input type="text" value="mm/dd/yyyy"/>	
APPOINTMENT TIME	
<input type="text" value="--:--"/>	
<input type="button" value="BOOK"/>	

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Amanat Bridge Connecting Road,
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Fig: Book Appointment

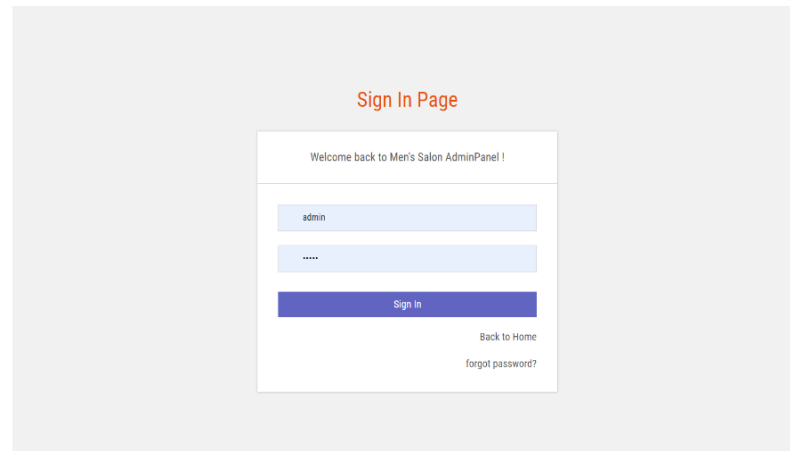


Fig: Login Page

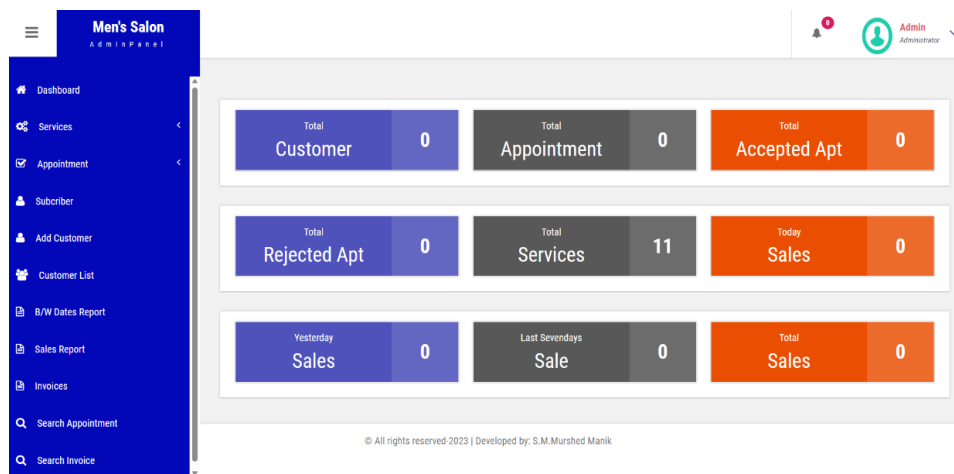


Fig: Admin Dashboard

#	Service Name	Service Price	Creation Date	Action
1	O3 Facial	120	2019-07-25 17:22:38	<input checked="" type="checkbox"/>
2	Fruit Facial	500	2019-07-25 17:22:53	<input checked="" type="checkbox"/>
3	Charcoal Facial	1000	2019-07-25 17:23:10	<input checked="" type="checkbox"/>
4	Deluxe Manicure	500	2019-07-25 17:23:34	<input checked="" type="checkbox"/>
5	Deluxe Pedicure	600	2019-07-25 17:23:47	<input checked="" type="checkbox"/>
6	Normal Manicure	300	2019-07-25 17:24:01	<input checked="" type="checkbox"/>
7	Normal Pedicure	400	2019-07-25 17:24:19	<input checked="" type="checkbox"/>
8	Hair Cut	250	2019-07-25 17:24:38	<input checked="" type="checkbox"/>
9	Style Haircut	550	2019-07-25 17:24:53	<input checked="" type="checkbox"/>
10	Hair Wash	3999	2019-07-25 17:25:08	<input checked="" type="checkbox"/>

Fig: Manage Service

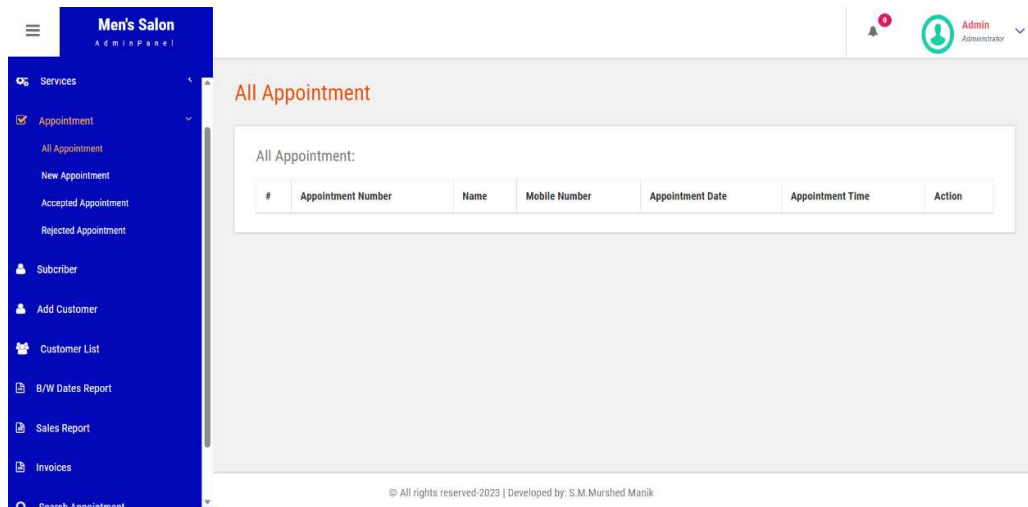


Fig: All Appointment

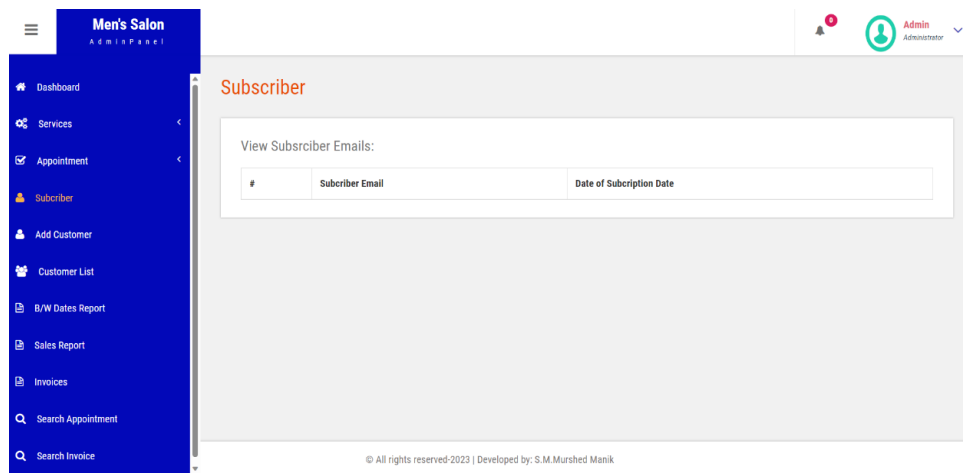


Fig: Subscriber

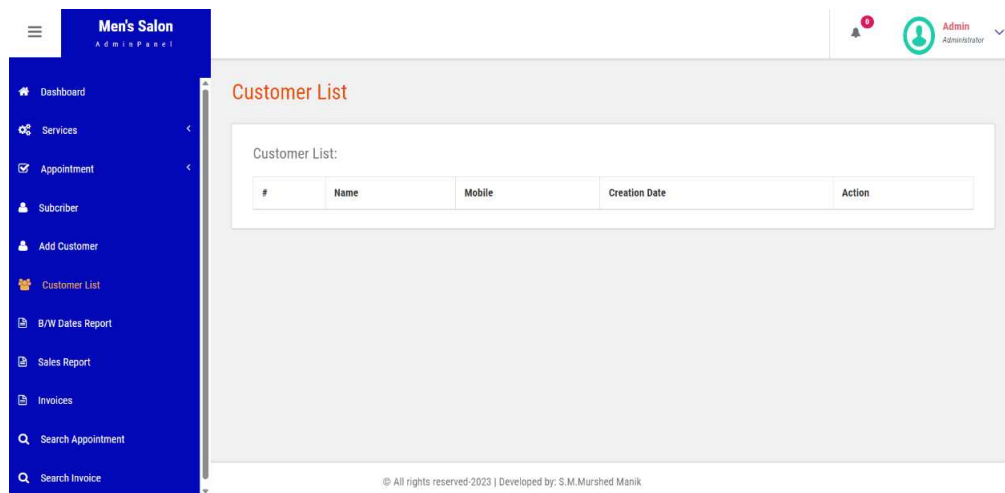
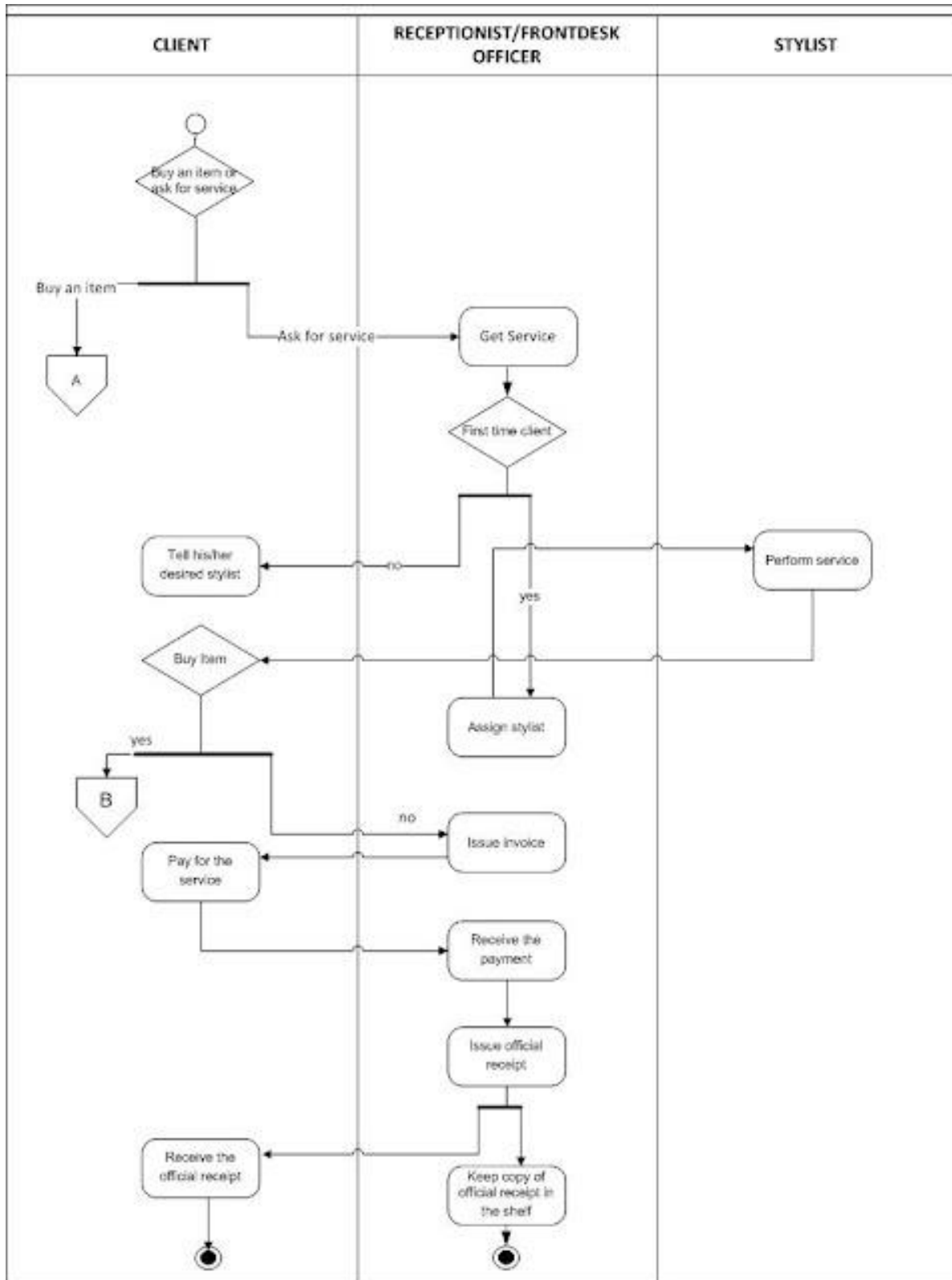


Fig: Costumer List

4. Diagram:



5. Result and New Implementation:

The salon management system has been developed successfully. It is a modular, scalable, and easy-to-use system. The system is currently in use by a number of salons.[\[6\]](#)

- a) The system has been developed successfully. It is a modular, scalable, and easy-to-use system.
- b) The system is currently in use by a number of salons.
- c) The system has a number of benefits for salon owners.

These benefits include:

- I. Improved efficiency: The system can help salon owners to manage their businesses more efficiently.
- II. Increased productivity: The system can help salon owners to be more productive.
- III. Reduced costs: The system can help salon owners to reduce their costs.
- IV. Improved customer service: The system can help salon owners to provide better customer service.

The system is a valuable tool for salon owners. It can help them to manage their businesses more effectively and improve their bottom line.[\[7\]](#)

Here are some of the specific results of the system:

- I. The system has helped salon owners to save time by automating tasks, such as scheduling appointments and managing inventory.
- II. The system has helped salon owners to increase their productivity by providing them with a centralized system for managing their businesses.
- III. The system has helped salon owners to reduce their costs by eliminating the need for manual data entry and by providing them with insights into their businesses that can help them to make better decisions.
- IV. The system has helped salon owners to provide better customer service by providing customers with the ability to book appointments online, view their appointment history, and make payments.

The system has been well-received by salon owners. They have found that the system has helped them to save time, money, and improve their customer service. The system is a valuable tool for salon owners. It can help them to manage their businesses more effectively and improve their bottom line.

Men's Salon
Admin Panel

Dashboard
Services
Appointment
Subscriber
Add Customer
Customer List
B/W Dates Report
Sales Report
Invoices
Search Appointment
Search Invoice

Sales reports

Sales reports:

From Date
mm/dd/yyyy

To Date
mm/dd/yyyy

Request Type ☒ Month wise ☐ Year wise

Submit

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Fig: Sales Report

Men's Salon
Admin Panel

Dashboard
Services
Appointment
Subscriber
Add Customer
Customer List
B/W Dates Report
Sales Report
Invoices
Search Appointment
Search Invoice

Between dates reports

Between dates reports:

From Date
mm/dd/yyyy

To Date
mm/dd/yyyy

Submit

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Fig: Report

Men's Salon
Admin Panel

Dashboard
Services
Appointment
Subscriber
Add Customer
Customer List
B/W Dates Report
Sales Report
Invoices
Search Appointment
Search Invoice

Search Appointment

Search Appointment / Name / Contact number:

Search by Appointment Number

Search

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Fig: Search Appointment

Discussion: The system that is developed in this thesis report is a valuable tool that can be used by men's salon owners and managers to improve their businesses. The system is easy to use and can be customized to meet the specific needs of any salon. The system is currently in use by a number of men's salons, and the feedback from the salon owners has been positive. The salon owners have found the system to be a valuable tool that has helped them to improve their business. The system has a number of benefits. First, the system helps salon owners and managers to track appointments.[\[8\]](#) This allows them to ensure that they are not overbooking appointments and that they are able to meet the needs of their customers. Second, the system helps salon owners and managers to manage their inventory. This allows them to ensure that they have the products that they need on hand and that they are not overstocking or understocking products. Third, the system helps salon owners and managers to generate reports. This allows them to track their sales, inventory, and appointments. The reports can be used to make decisions about the business, such as which products to sell, how much inventory to order, and how to schedule appointments. The system is a valuable tool for men's salon owners and managers. It is easy to use and can be customized to meet the specific needs of any salon. The system has a number of benefits, including the ability to track appointments, manage inventory, and generate reports. The system is still under development, and there are a number of potential improvements that could be made. For example, the system could be integrated with a point-of-sale system to allow salon owners and managers to track sales.[\[9\]](#) The system could also be integrated with a marketing system to allow salon owners and managers to send marketing messages to their customers. Overall, the system is a valuable tool that can be used by men's salon owners and managers to improve their businesses. The system is easy to use and can be customized to meet the specific needs of any salon. The system has a number of benefits, including the ability to track appointments, manage inventory, and generate reports.

Conclusion: The Men Salon Management System developed using PHP and MySQL has successfully addressed the challenges faced by salon owners and staff in managing salon operations. Through automation and streamlining of various processes, the system has significantly improved efficiency, productivity, and customer experiences. The system's functionality and features have proven to be effective in simplifying salon management tasks. Appointment scheduling, customer management, employee management, inventory tracking, and financial management have all been efficiently handled by the system. Users found the system to be user-friendly, intuitive, and easy to navigate, contributing to its successful adoption and acceptance. Performance evaluation of the system demonstrated satisfactory results in terms of response time, scalability, and resource utilization. [\[10\]](#) The Men Salon Management System's contributions to the salon industry are significant. It offers a comprehensive and integrated solution for managing salon operations, reducing administrative burdens, and improving overall efficiency. Additionally, future work could explore integrating additional features and modules, such as online booking, mobile application support, and data analytics, to further enhance the system's capabilities. In conclusion, the Men Salon Management System has successfully provided an efficient and user-friendly solution for managing salon operations. Its implementation using PHP and MySQL has demonstrated its effectiveness in enhancing salon efficiency, customer experiences, and overall business performance. The system has the potential to revolutionize the way men salons are managed, contributing to the growth and success of the industry as a whole.

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