DESIGN AND IMPLEMENTATION OF ONLINE SALOON BOOKING SYSTEM

 \mathbf{BY}

YUSUF YAHUZA ST/CS/ND/21/140

DEPARTMENT OF COMPUTER SCIENCE, SCHOOL OF SCIENCE AND TECHNOLOGY, FEDERAL POLYTECHNIC, MUBI, ADAMAWA STATE.

IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF NATIONAL DIPLOMA (ND) IN COMPUTER SCIENCE.

SEPTEMBER, 2023

DECLARATION

I hereby declare that the work in this project titled "Design and Implementation of Online Saloon Booking System" was performed by me under the supervision of Mr. Joshua Shehahyel. The information derived from literatures has been duly acknowledged in the text and a list of references provided. The work embodied in this project is original and had not been submitted in part or in full for any other diploma or certificate of this or any other institution.

YUSUF YAHUZA		
(ST/CS/ND/21/140)	Signature	Date

CERTIFICATION

This project work titled "Design and Implementation of Online Saloon Booking System" meets the regulations governing the award of National Diploma (ND) in Computer Science, Federal Polytechnic Mubi, Adamawa State

Mr. Joshua Shehahyel.	
(Project Supervisor)	Sign/Date
Mr. Mustapha Kassim	
(Head of Department)	Sign/Date
(External Examiner)	Sign/Date

DEDICATION

I dedicate this project work to Almighty God for granting me the ability to accomplish this work successfully.

ACKNOWLEDGEMENTS

I want to acknowledge Almighty God for his infinite mercy and protection throughout our academic activities. And for the understanding in achieving my academic success.

I also acknowledge the Head of Department Computer Science Mr. Mustapha Kassim Mubi for his moral encouragement throughout my period of study.

I also recognize my Supervisor Mr. Joshua Shahyel who took time, despite her busy schedule to directed and guided me throughout this research work. I also acknowledge all Staff of Computer Science Department for their support and encouragement and the knowledge they've impacted on me throughout our studies.

I also want to appreciate my parent for their love, support and care and for giving me the opportunity to be trained and achieve our dreams.

Finally, I appreciate the efforts of my friends and relatives, course mates and all well-wishers. I love you all, may the Almighty God bless you abundantly, Amen.

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ABSTRACT

This project titled "Design and implementation of Online Saloon Management and Booking system" is aimed at developing a module that would handle registration customers and services of the salon easily manage the data and also to create a system that would allow users make online booking from the comfort of their homes. The methodology involves using PHP, Apache and MySQL while front-end is designed with PHP, the back-end is managed with MySQL. The system is more secured and user-friendly. The results where gotten from tested data and the system found to be functioning as expected. The researcher also makes recommendation that the system be implemented by most saloons so as to put the system to use for effective utilization of the system.

CHAPTER ONE

INTRODUCTION

1.1 Background to the study

The 21st century is said to be century of inventions, century of development, century of globalization because no one can end up the day without using any kind of embedded system products. It makes human life very smarter and to feel comfortable. Being a salon client today is inconvenient. The customer has to remember that the customer need to make an appointment, then hope he or she remember during business hours, and finally scramble to find the phone number and take time out of his or her busy day to make the call. And never mind finding user reviews of local salons, tracking those down somewhere on the web is a headache that most don't even attempt. This is the experience of countless salon-visitors every day. As traditional methods of hair salon are inefficient, therefore proposed system is known as "smart hair salon management system" is considered here. The proposed system is based on embedded system. In this system, first the customer messages or call to the salon then worker at the salon accepts this message or call. Worker first calculates how many customers are waiting as well as predefined time for particular activity to give reply of that message. When the customer comes in particular given time, worker give service to it according to their demand. Similarly, the process is continues and queue is formed based on the functions (Yonan, 2019).

Salon Management System (SMS) is an online system that offers beauty services and treatment. This Salon offers beauty and service included massage, make-up, sauna and hair treatment. Spa Beauty Management System is an online system that is basically specializes on managing the spa beauty management. It is an online system that the staff and management can manage management works. As a source of information, records can be seen as a strategic resource for hair salons. According to Kasim (2011), affirm that information can be viewed from the resource-based view of the firm in accordance with strategic management theory. Basically, this perspective suggests that resources are vital for organisational success. As businesses utilise resources as inputs, they transform them into outputs for sale to make profits. Thus, without resources, no organisation can survive. Therefore, these resources must be jealously protected and properly managed. The implication for hair salons is that information in the form of business records need to be properly managed if they in order to survive in their fiercely competitive business environment. This means that good records management can be used by hair salons as a strategic resource to improve business performance (Hint, Ireland & Hoskisson, 2011).

The main objective of any business is to make profit through its product or service. For the businesses to succeed they need to make use of the assets at their disposal. Records are one of the

assets that they need to manage in order to be profitable and remain in business. Records management should be a serious business function of every business including smaller ones like hair salons as it can make or break profitability. According to Tushabomwe-Kazooba (2016) specifically warns that poor record keeping is a major cause of small business failure. This author goes on to point out that because most small businesses do not keep proper records, they end up losing track of their transactions and cannot account for their expenses and their profits with the end result being business closure. But business should not just keep records for the sake of keeping it. Rather, records should be kept for future reference in decision making. Records contain vital information such as evidence of business transactions (Kasim, 2011). Transaction records can provide a window into the future for hair salons as past and current transactions can provide trends that they can use to project their future level of performance. According to Kemoni and Ngulube (2018) and Makhura (2015) agree that good records management is vital to a business because it facilitates free flow of information that ensures timely and rapid availability of information when most needed for decision making. Some scenarios where authentic and reliable information is needed include litigation and tax assessment Smith (2017).

According to Florida (2010), businesses need to manage records in order to meet legal, fiscal and administrative requirements. In the case of hair salons, records of chemicals used on hair could become very handy during damage claims while settling tax issues requires availability of appropriate financial records. There are a number of good reasons for having good records management practice in place. According to Hampton (2012), reasons for records management practices include: To control the creation and growth of records, reduce operating costs, improve efficiency and productivity, ensure regulatory compliance, minimize litigation risks, safeguard vital information, support better management decision making, preserve the corporate memory and foster professionalism in running the business All of the above are very relevant to hair salons. For example, proper records management will enable hair salons keep track of operating costs so that where necessary, costs reduction can be done based on relevant information. Similarly, good management will enable salons defend them themselves against lawsuits by producing records in defence. This means that hair salons can save time and money during litigation by falling on their records. Proper record management may prevent or minimize the risk of losses in court proceedings. The aforementioned discussion shows how important records and the good record keeping can be to a business such as hair salons (Sampson, 2012).

1.2 Problem statement

i. The traditional system of hair salon was manual and insecure because there was no any counting system of customers coming in the salon which creates sometimes major issues.

- The customer as well as the owner faces the problems.
- ii. These early systems are dependent on paper-pencil systems for billing purpose that means the records of bills of customer and the workers working in their salon are in written form.The records may get wrong due to anyone's mistake.
- iii. There is difficulty in maintaining records of all these tasks manually. Hence, proposed system is the best solution of avoiding all these problems.

1.3 Aim and Objectives

The aim of this research project is to design and implement a Saloon Management and Booking system. The specific objectives of this project are:

- i. To develop a module that would handle registration customers and services of the salon easily manage the data.
- ii. To computerized the management that help the staff improving the management of the spa beauty system.
- iii. Registered customer with username and unique password can do appointment for treatment and services via online.
- iv. To develop online system that includes simple inventory.

1.4 Significance of the Study

Being a salon client today is inconvenient. You have to remember that you need to make an appointment, then hope you remembered during business hours, and finally scramble to find the phone number and take time out of your busy day to make the call. And never mind finding user reviews of local salons and stylists; tracking those down somewhere on the web is a headache that most don't even attempt. This is the experience of countless salon-goers every day, even as we move well into the twenty-first century. There is a strong, well-articulated need for a "one-stop-shop" online hub that connects clients to salons, putting all the information users need in one convenient place, on demand. Equally surprising, many salons today are still using paper and pencil systems to schedule appointments and manage customers. These systems are grossly inefficient at sharing and syncing information, and are prone to costly human error. The Saloon Management information and Booking System promises to end the dependence on paper-pencil systems, and put salons in control with an easy to use interface. The Saloon Management information and Booking System will be more than just an online scheduler; it will be a salon management tool that will allow salons to manage stylists and services, promote sales to customers, and track customer satisfaction.

1.5 Scope of the Study

The proposed system is targeted for the effective and easy use by both users and Hair Saloon Management to enable them track and keep records of customers for future purposes. The system will include Registration of customers, Booking and Appointment and querying of the database for the necessary information for administrative purposes.

1.6 Definition of Some Operational Terms

Collaboration Tools: Include e-mail, threaded discussions, chat, and bulletin board software that offer a whole range of ways to communicate and share information (Boye, 2015).

E-portal: Rao (2013), defined an enterprise portal is a web interface for users of enterprise applications. Enterprise portals provide access to enterprise information such as corporate database, application including web applications.

Internet Tools: Site search and navigation tools to provide users with easy access to information. Examples are calendars and planners to allow users to input and share events, as well as Web site and content builders, offering them the ability to create and have customized content being made available according to individual profiles (Reus, 2013).

PHP: Normally used for increased functionality on a website or to work with a database. It works in conjunction with html and html variants and allows for functions to be run from the server rather than the visitor's browser (Brayand, 2014).

Portal: A portal is a presentation layer which aggregates, integrates, personalizes and presents information, transactions and applications to the user according to their role and preferences (Brayand, 2014).

Web Portals: According to Babie (2014), a web system that provides the functions and features to authenticate and identify the users and provide them with easy intuitive personalized and user-customizable web-interface for facilitating access to information and services that are of primary relevance and interest to the users.

CHAPTER TWO

LITERATURE REVIEW

2.1 Introduction

This chapter examines in detail, the history and developments of Saloon management system and, previous research work on this subject, the characteristics, models, architectures and limitations as pointed out by various scholars and researchers. This will provide the ground work for figuring out an efficient way to implement an Online Saloon Management and booking system.

Modern Information System Design

A growing amount of interdisciplinary work explores the number of goals: answering how the activities of complex systems can be coordinated (Malone & Crowston, 2014). Some work focused on coordination in parallel and distributed computer systems while others on coordination in human systems (Malone & Crowston, 2014). However, the common theme is that the targeted complex systems usually include both people and computers; our project shares the same characteristic.

In modern IS design, some inter disciplinary areas enlighten on how to design Information System that is robust, reliable and cost – effective. Below are some of these inter-disciplinary fields and recent findings about them which will help us in laying down the theory background of our work. In most of the papers reviewed above they described in detail how they designed and implemented there IS, none of them discovered and used the latest discovery of Information System by either by selecting Design Science or Behavioral Science (March & Smith, 2015).

Information System

According to Hevner (2014), Information Systems (IS) are "implemented within an organization for the purpose of improving the effectiveness and efficiency of that organization". Two paradigms that characterize much of the research in the IS discipline are behavioral science and design science. The behavioral science paradigm seeks to develop and verify theories that explain or predict human or organizational behavior. The design science paradigm seeks to extend the boundaries of human and organizational capabilities by creating new and innovative artefacts. These two paradigms are complementary but distinct (March & Smith, 2015). The behavioral science paradigm has its root in natural science research methods. It seeks to develop and justify theories that explain or predict organizational and human phenomena (Hevner, 2014). The design science paradigm has its roots in engineering and the science of the artificial (Simon, 2016). It is fundamentally a problem-solving paradigm and seeks to create innovations that define the ideas, practices, technical capabilities, and products through which the analysis, design,

implementation, management, and use of information systems can be effectively and efficiently

accomplished (Denning, 2017).

Our work obviously falls in the realm of the design science due to the problem-solving nature of the work. As the IS literature recognizes, while the importance of design is well recognized, designing a useful system is complex. We built on the work of the design science paradigm and followed the literature suggested guidelines in (Hevner, 2014).

Computer-Supported Cooperative Work

Recently, a great deal of interest has been placed on designing computer tools to help people work together more effectively. This new field designs systems called Computer-Supported Cooperative Work (CSCW) (Computer Supported Cooperative Work) or groupware. According to Ellis (2011), "the work in CSCW usually looks at how groups work and seeks to discover how technology (especially computers) can assist them." Groupware is the technology used to support collaborative work. According to Ellis (2011), groupware consists of "computer-based systems that support groups of people engaged in a common task (or goal) and that provide an interface to a shared environment." CSCW stresses the outcome or product while groupware is the enabling technology.

Moving online

According to James (2018), we're seeing a trend in saloon shop startups toward a greater integration of technology with traditional saloon business activities. While many older shops are hesitant to embrace technology-rich business models, younger entrepreneurs are capturing market share by leveraging technology on multiple fronts. Distance saloon allows startups to expand their reach beyond the geographic limitations of the local marketplace. Customers perform their own measurements (with guidance) and place orders online. Although many tailors use this approach to take advantage of cheap labor overseas, it's possible to leverage a distance tailoring framework (James, 2018).

Saloon shops are like any other SMB (small and medium business) in the sense that there are multiple behind-the-scenes business tasks that must be routinely performed. With today's technology, accounting, billing, inventory, shipping and other software solutions can be integrated to create a highly functional and seamless backend system. Social media resources like Facebook and Twitter allow tailor shop startups to convert satisfied customers to brand advocates. By actively engaging your customers on these and other sites, you can encourage positive conversations around your products and your brand (James, 2018).

As the technology of garment production is advancing, many small-scale saloons are gradually developing their capacity and expanding by employing social media advertising to a next level while others are still struggling to be considered in the industry (Leykun, 2018).

Salon booking systems offer a range of features that streamline appointment scheduling and management. These systems typically include online booking capabilities, enabling clients to schedule appointments conveniently through the salon's website or mobile app. Online booking enhances customer satisfaction by allowing them to choose preferred time slots and service providers, reducing wait times and enhancing overall experience (Lee & Lee, 2020).

Additionally, salon booking systems often incorporate automated appointment reminders via email or SMS, reducing no-show rates and improving resource utilization (Chen & Lee, 2018). Some systems even offer integrations with loyalty programs and marketing tools, allowing salons to engage with clients and promote special offers effectively. While salon booking systems offer numerous benefits, there are also challenges associated with their implementation. One primary concern is data security and privacy, as these systems collect sensitive customer information. Ensuring compliance with data protection regulations, such as GDPR, is essential (Kim *et al.*, 2019). Technical issues and system downtime can also disrupt salon operations, underscoring the importance of robust technical support and maintenance (Lin *et al.*, 2021).

Moreover, the integration of booking systems with existing salon workflows requires careful planning and employee training. Resistance to change and the need for staff to adapt to new processes can affect the successful adoption of these systems (Park & Kim, 2017). Recent trends in salon booking systems involve the integration of artificial intelligence (AI) and machine learning. AI-driven features, such as predictive scheduling based on historical booking data and customer preferences, have the potential to optimize appointment allocation and reduce idle time. Mobile app development has also gained traction, allowing clients to book appointments and manage their profiles on-the-go. Furthermore, the emergence of contactless payment solutions and health-related features (especially post-pandemic) has shaped the direction of salon booking systems, emphasizing safety and convenience for both clients and staff (Jung *et al.*, 2020).

Booking Systems

The COVID-19 pandemic accelerated the adoption of contactless and remote booking solutions. Salon booking systems integrated features like online appointment scheduling, mobile apps, and virtual consultations to minimize physical contact and maintain social distancing. Artificial intelligence and machine learning started to play a more significant role in booking systems. These technologies were being used to analyze historical data and predict booking patterns, optimizing resource allocation and minimizing downtime (Ding *et al.*, 2020).

Booking systems were becoming more sophisticated in terms of customer data utilization. By analyzing past bookings and preferences, salons could personalize recommendations and offers for individual customers, enhancing the overall experience (Han *et al.*, 2019).

Salon booking systems were increasingly integrating with e-commerce platforms. This allowed salons to

offer additional services, products, and packages for online purchase, creating new revenue streams and providing convenience for customers As customer data privacy concerns grew, booking systems were focusing more on data security and compliance with regulations like GDPR. Secure storage and handling of personal information were paramount (Li & Chan, 2021).

Database Management System

Database Management Systems (DBMS) are essential tools for storing, organizing, managing, and retrieving data efficiently. DBMS provide a structured approach to store and retrieve data, ensuring data integrity, security, and scalability for organizations. Recent studies have highlighted the significance of DBMS in various domains. A research article by Ramakrishnan and Gehrke (2020), emphasized that DBMS are crucial for managing the increasing volumes of data generated in today's digital world. The study highlighted that DBMS enable organizations to handle diverse data types, ensure data consistency, and support complex data queries.

One of the key functions of DBMS is data storage and organization. DBMS provide a structured framework for storing data in tables, defining relationships between tables, and enforcing data integrity through constraints. These systems often employ relational models, such as the widely-used SQL (Structured Query Language), to manage data in a tabular format. A study by Elmasri and Navathe (2019) emphasized that DBMS enable efficient data storage, normalization, and indexing to optimize data retrieval performance. Moreover, DBMS offer tools for data retrieval and manipulation. These systems allow users to query the database using SQL or other query languages to retrieve specific data based on specified criteria. DBMS also support complex operations such as joining multiple tables, filtering data, and aggregating results. A research article by Rizvi et al. (2021) highlighted the role of DBMS in enabling efficient and accurate data retrieval, facilitating decision-making and analysis.

DBMS also provide mechanisms for data security and access control. These systems enable organizations to define user roles and permissions, ensuring that only authorized users can access and modify the data. DBMS also offer features such as data encryption, backup, and recovery to protect against data breaches and system failures. A study by Motahari-Nezhad et al. (2021) emphasized the importance of DBMS in ensuring data privacy, integrity, and availability, particularly in the context of sensitive and regulated data. The advent of advanced technologies has further enhanced the capabilities of DBMS. Distributed DBMS enable data storage and processing across multiple servers, providing scalability, fault tolerance, and high availability. NoSQL (Not Only SQL) DBMS have emerged as alternatives to traditional relational DBMS, offering flexible data models and scalability for handling large volumes of unstructured and semi-

structured data. A research article by Ghazal et al. (2020), discussed the benefits and challenges of NoSQL DBMS in big data environments.

Summary of Literature Review

Salon booking systems have emerged as powerful tools for managing appointments, customer interactions, and business operations within the beauty and wellness industry. The literature review highlights the significance of these systems in streamlining processes, enhancing customer experiences, and improving business efficiency. Salon booking systems offer the convenience of online appointment scheduling, allowing customers to book services at their preferred time without the need for phone calls. This accessibility improves customer satisfaction by providing a seamless and user-friendly booking experience. The reviewed literature emphasizes that salon booking systems aid in resource management by optimizing staff schedules, treatment rooms, and equipment. This ensures that the right resources are allocated at the right times, minimizing wait times and maximizing operational efficiency. Salon booking systems contribute to a positive customer experience by reducing wait times and allowing clients to choose their preferred services and stylists. Personalized profiles, past appointment history, and automated reminders enhance engagement and customer loyalty.

CHAPTER THREE

SYSTEM ANALYSIS AND DESIGN

3.1 Introduction

This chapter contains the system design and analysis of the proposed system, the disadvantages of the existing system, the advantages of the proposed system over the existing system, the proposed method, the method for data collection the system architecture and database designs and the requirements (Hardware and Software).

3.2 Disadvantages of the existing system

The existing system has some setbacks as a manual system using paper as a form of documentation which is prone to damages. The following are the disadvantages of the existing system, outlined as follows.

- i. Lack of a secure online booking and records keeping system
- ii. Lack of flexibility in accessing the records.
- iii. Too much of waiting time at the saloon to be attended to.

3.3 Advantages of the proposed system

The following are the advantages of the proposed system.

- The system provides a faster means of information recording and retrieval and reduces time and cost.
- ii. Provides an easy means of customers booking from the comfort of their homes.
- iii. Save time compared to the manual process
- iv. It allows for tracking of the customers' bookings and records of the saloon.

3.4 The proposed method

The proposed system is designed using HTML, PHP and MySQL as the database management programming languages for keeping records of the project students and supervisors and project research work. The design also uses the Responsive type of web design where the content of the website fits exactly and the content is not loss when viewed on different device screen sizes and types. Also, the website is compatible when viewed on different browsers with different devices.

3.5 Methods of data collection

There are two main sources of data collection in carrying out this study, information was basically obtained from the two sources which are primary and secondary sources.

Primary Source: Primary source of data used in this study are personal interview and observation.

Secondary Source: The secondary data used in the study were obtained from magazines, Journal, newspapers, library source and most of the information from the library research has been covered in my literature review in the previous chapter of this project.

3.6 System design

System design of the Interactive online platform for student and project supervision system consisted of design activities that produce system specifications satisfying the functional requirements that were developed in the system analysis process. It is also the structural implementation, which specifies how the system will accomplish the objectives. A formal model of the assignment submission system will be built using unified modeling language (UML).

3.6.1 Algorithm diagrams

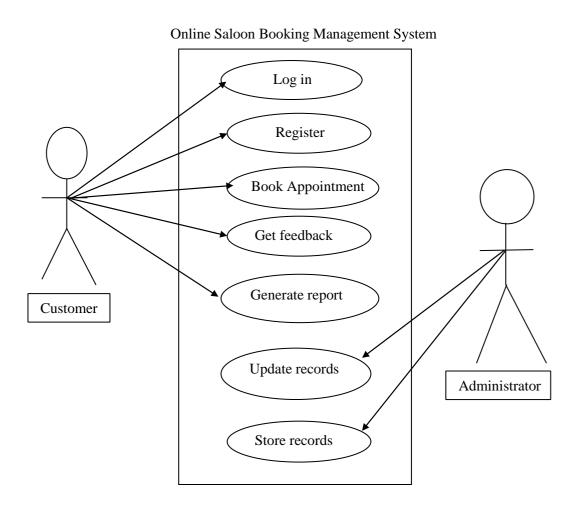


Figure 3.1: Use case diagram

3.6.2 System Architecture

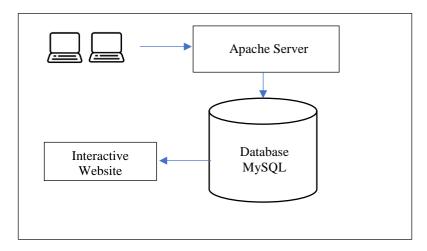


Figure 3.3: System Architecture

3.6.3 Database tables/queries structures

Table 1: Admin table

Name	Type	Collation	Null	Extra
ID	int(10)		No	AUTO_INCREMENT
AdminName	char(50)	latin1_swedish_ci	Yes	
UserName	char(50)	latin1_swedish_ci	Yes	
MobileNumber	bigint(10)		Yes	
Email	varchar(200)	latin1_swedish_ci	Yes	
Password	varchar(200)	latin1_swedish_ci	Yes	
AdminRegdate	timestamp		Yes	

Table 2: Appointment Table

Name	Туре	Null	Extra
ID	int(10)	No	AUTO_INCREMENT
AptNumber	varchar(80)	Yes	
Name	varchar(120)	Yes	
Email	varchar(120)	Yes	
PhoneNumber	bigint(11)	Yes	
AptDate	varchar(120)	Yes	
AptTime	varchar(120)	Yes	
Services	varchar(120)	Yes	
ApplyDate	timestamp	Yes	
Remark	varchar(250)	No	
Status	varchar(50)	No	
RemarkDate	timestamp	No	ON UPDATE CURRENT_TIMESTAMP()

Table 3: Customers Table

Name	Туре	Null	Extra
ID	int(10)	No	AUTO_INCREMENT
Name	varchar(120)	Yes	
Email	varchar(200)	Yes	
MobileNumber	bigint(11)	Yes	
Gender	enum('Female', 'Male', 'Transgender')	Yes	
Details	mediumtext	Yes	
CreationDate	timestamp	Yes	
UpdationDate	timestamp	Yes	ON UPDATE CURRENT_TIMESTAMP()

Table 4: Invoice Table

Name	Type	Null	Extra
id	int(11)	No	AUTO_INCREMENT
Userid	int(11)	Yes	
ServiceId	int(11)	Yes	
BillingId	int(11)	Yes	
PostingDate	timestamp	Yes	

3.6.4 Input and output design

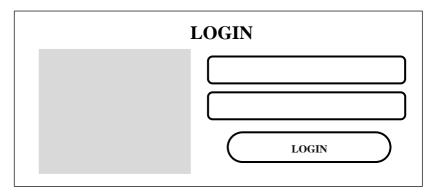


Figure 3.3: Login form

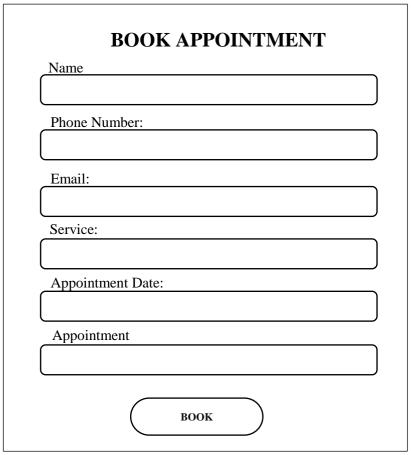


Figure 3.4: Appointment Form

3.7 System Requirement Specifications

3.7.1 Hardware Requirements

The software designed needed the following hardware for an effective operation of the newly designed system.

- i. A system running on intel, P(R) duo core with higher processor
- ii. The-Random Access Memory (RAM) should be at least 512MB.
- iii. At least 20-GB hard disk.
- iv. A colored monitor.

3.7.2 Software Requirements

The software requirements includes:

- i. A window 7 or higher version of operating system.
- ii. XAMP or WAMP for Database
- iii. PHP
- iv. MySQL

3.7.3 Personnel requirement

The system was design in such a way that it is user friendly in other to be understood and used by anyone with basic computer knowledge.

CHAPTER FOUR

RESULTS AND DISCUSSION

4.1 Introduction

The new system is designed using PHP and MySQL programming language for easy records inserting and updating. This system will help in managing and easily retrieving of information from the system for management purposes.

4.2 Results

Welcome interface

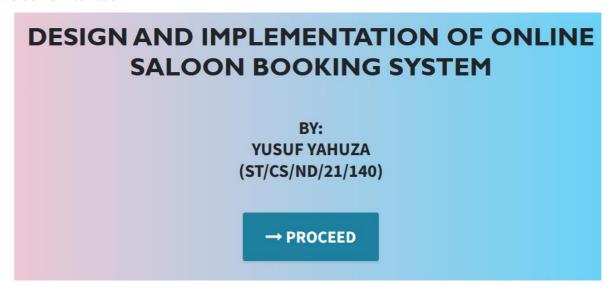


Figure 4.1: Welcome interface

Login interface



Figure 4.2: Login page interface

Book appointment interface

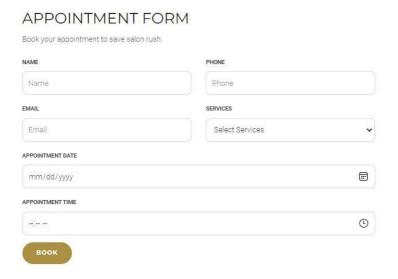


Figure 4.3: Book appointment interface

Add Customer interface

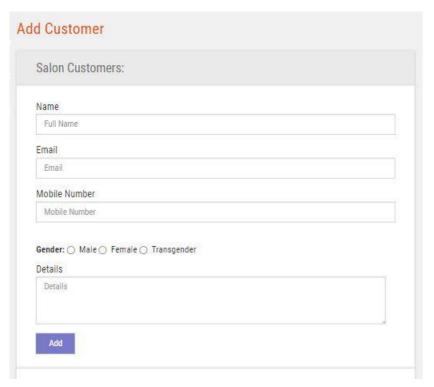


Figure 4.4: Add Customer profile

Services interface

OUR SERVICE PRICES

Far far away, behind the word mountains, far from the countries Vokalia and Consonantia

#	Service Name	Service Price	Service Description
1	O3 Facial	N120	Activated charcoal draws bacteria, toxins, dirt and oil from the skin.
2	Fruit Facial	N500	If its a peel-off mask, it also works as an excellent exfoliator, ridding the skin of dead cells.
3	Charcol Facial	N1000	The end result is skin that is clean and clear. When used as a powder, charcoal masks can reach deep in your pores and suck out impurities with them.
4	Deluxe Menicure	N500	The end result is skin that is clean and clear. When used as a powder, charcoal masks can reach deep in your pores and suck out impurities with them.
5	Deluxe Pedicure	N600	A pedicure is a therapeutic treatment for your feet that removes dead skin, softens hard skin and shapes and treats your toenails.
6	Normal Menicure	N300	A pedicure is a therapeutic treatment for your feet that removes dead skin, softens hard skin and shapes and treats your toenails.
7	Normal Pedicure	N400	A pedicure is a therapeutic treatment for your feet that removes dead skin, softens hard skin and shapes and treats your toenails

Figure 4.5: Services interface

Appointments interface

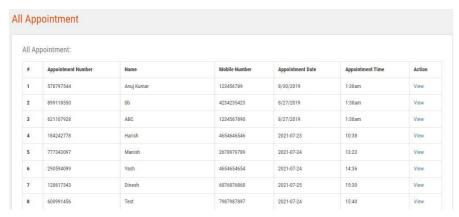


Figure 4.6: Appointments interface

Add service interface

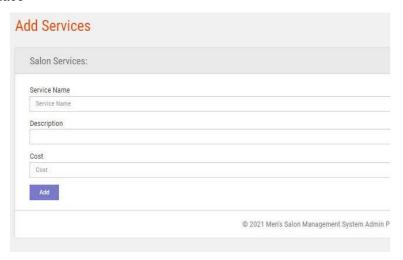


Figure 4.7: Add service interface

4.3 Discussion

Welcome interface

This is the first interface that the user will see, it contains the project topic, student and the supervisor of the project.

Booking appointment page

This section is used by the customer to book an appointment.

Add service

This section is used by the admin to add services that the saloon offer to her customers.

Login interface

This section is used by an existing admin to login into the system before completing any operation.

Add Customer interface

This section is used by the admin to add customers to the system

Services interface

This section displays all the services that the saloon offers to the customers.

Appointments interface

This section displays all the appointments to the admin.

Add service interface

This section is used to add services to the system.

4.4 User manual

The following are the necessary steps to take in order to use the system efficiently and effectively.

- i. Load the url of the system https://localhost/saloon/ the welcome page will be displayed.
- ii. Click on the **Proceed** button to proceed to the main system.
- iii. If you created an account, provide your login details by entering your username and password.
- iv. Depending on the login details provided you will be automatically directed to the dashboard.
- v. The various task that you can perform on the portal will be displayed on the sidebar of the dashboard.

CHAPTER FIVE

SUMMARY, CONCLUSION AND RECOMMENDATION

5.1 Summary

The new system was designed in such a way that records and bookings of the saloon will be stored in a database for easy retrieval and manipulation of data that can be accessible from any place reducing the overcrowding and easy retrieval of the customers in the shop waiting to be attended to.

5.2 Conclusion

The interactive online platform for student and project supervisor was designed and implemented, the aim and specific objectives of the project were achieved successfully.

5.3 Recommendations

The researcher puts forward the following recommendations:

- i. The saloon management should imbibe the use of this technology in carrying out her tasks in order to reduce the time wastage that is involved with the manual system.
- ii. The researcher also recommends that the system be put to effective use in order to derive the necessary efficiency of the system.

5.4 Contribution to knowledge

The new system was designed in a structured and robust way employing responsive design to it to ensure usability and efficiency. The project research will serve as a reference point for other research work and contribute immensely to knowledge for those conducting a research on similar topic.

5.5 Area for further work

The research work limited to saloon booking and management only. Therefore, the researcher suggests that further studies be conducted to include other functionalities such as web payment.

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APPENDIX A

Welcome interface

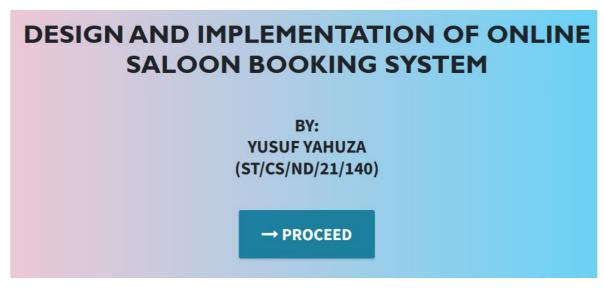


Figure 4.1: Welcome interface

Login interface

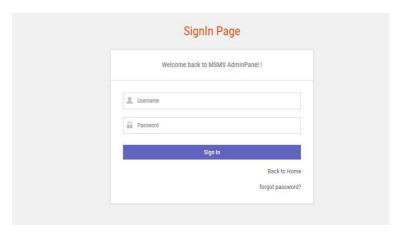
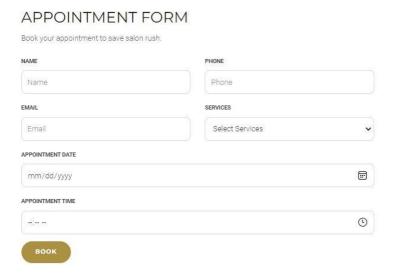
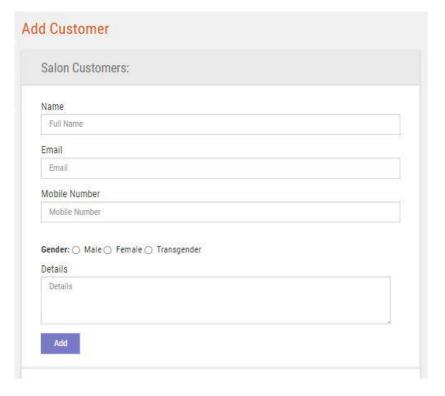


Figure 4.2: Login page interface

Book appointment interface



Add Customer interface



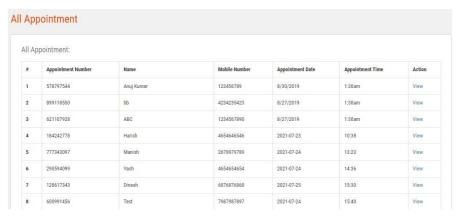
Services interface

OUR SERVICE PRICES

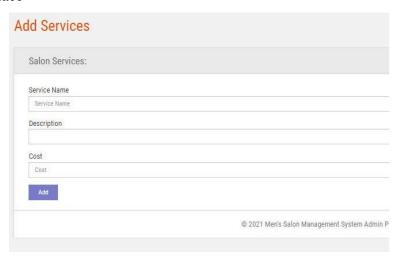
Far far away, behind the word mountains, far from the countries Vokalia and Consonantia

#	Service Name	Service Price	Service Description
1	O3 Facial	N120	Activated charcoal draws bacteria, toxins, dirt and oil from the skin.
2	Fruit Facial	N500	If its a peel-off mask, it also works as an excellent exfoliator, ridding the skin of dead cells.
3	Charcol Facial	N1000	The end result is skin that is clean and clear. When used as a powder, charcoal masks can reach deep in your pores and suck out impurities with them.
4	Deluxe Menicure	N500	The end result is skin that is clean and clear. When used as a powder, charcoal masks can reach deep in your pores and suck out impurities with them.
5	Deluxe Pedicure	N600	A pedicure is a therapeutic treatment for your feet that removes dead skin, softens hard skin and shapes and treats your toenails.
6	Normal Menicure	N300	A pedicure is a therapeutic treatment for your feet that removes dead skin, softens hard skin and shapes and treats your toenails.
7	Normal Pedicure	N400	A pedicure is a therapeutic treatment for your feet that removes dead skin, softens hard skin and shapes and treats your toenails

Appointments interface



Add service interface



APPENDIX B

PROGRAM CODE

```
<!DOCTYPE html>
<html lang="en">
 <head>
   <meta charset="utf-8">
   <meta name="viewport" content="width=device-width, initial-scale=1, shrink-</pre>
to-fit=no">
   <meta name="description" content="">
   <meta name="author" content="">
   <title>Men Saloon Management System</title>
   <!-- Bootstrap Core CSS -->
   <link href="vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
   <!-- Custom Fonts -->
   <link href="vendor/font-awesome/css/font-awesome.min.css" rel="stylesheet"</pre>
type="text/css">
   k
href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,700,300ital
ic,400italic,700italic" rel="stylesheet" type="text/css">
   <link href="vendor/simple-line-icons/css/simple-line-icons.css"</pre>
rel="stylesheet">
   <!-- Custom CSS -->
   <link href="css/stylish-portfolio.min.css" rel="stylesheet">
 </head>
 <body id="page-top" style="background:rgb(252, 144, 4);">
   <!-- Navigation -->
   <a class="menu-toggle rounded" href="#">
     <i class="fa fa-bars"></i></i>
   </a>
   <nav id="sidebar-wrapper">
     <a class="js-scroll-trigger" href="#page-top">MEN SALOON MANAGEMENT
SYSTEM</a>
       <a class="js-scroll-trigger" href="msms/">Proceed</a>
       </nav>
```

```
<!-- Header -->
   <header class="masthead d-flex">
     <div class="container text-center my-auto">
       <h1 class="mb-1" style="font-family: 'Times New Roman', Times, serif;</pre>
font-size: 30px; text-transform: uppercase;"><span style=" font-size: 30px;</pre>
margin-top: 25px;"> DESIGN AND IMPLEMENTATION OF MEN SALOON MANAGEMENT AND
<br>>
       <h3>SUPERVISED BY: <br/> <br/> MRs. AARON CATHERINE
       </h3>
       <strong><a class="btn btn-primary btn-xl js-scroll-trigger" href="msms/"</pre>
style="font-size: 20px;"><span class="fa fa-long-arrow-right"></span>
PROCEED</a></strong>
             </div>
     <div class="overlay"></div>
   </header>
   <!-- Scroll to Top Button-->
   <a class="scroll-to-top rounded js-scroll-trigger" href="#page-top">
     <i class="fa fa-angle-up"></i></i>
   </a>
   <!-- Bootstrap core JavaScript -->
   <script src="vendor/jquery/jquery.min.js"></script>
   <script src="vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
   <!-- Plugin JavaScript -->
   <script src="vendor/jquery-easing/jquery.easing.min.js"></script>
   <!-- Custom scripts for this template -->
   <script src="js/stylish-portfolio.min.js"></script>
 </body>
</html>
<?php
session start();
error_reporting(0);
include('includes/dbconnection.php');
<!DOCTYPE html>
<html lang="en">
<head>
```

```
<title>Men Salon Management System || Service List</title>
   <!-- Bootstrap -->
   <link href="css/bootstrap.min.css" rel="stylesheet">
   <!-- Google Fonts -->
   k
href="https://fonts.googleapis.com/css?family=Roboto:300,300i,400,400i,500,500i,7
00,700i%7cMontserrat:300,300i,400,400i,500,500i,600,600i,700,700i"
rel="stylesheet">
   <!-- Font Awesome -->
   <link href="css/font-awesome.min.css" rel="stylesheet">
   <!-- Style -->
   <link href="css/style.css" rel="stylesheet">
   <!-- HTML5 shim and Respond.js for IE8 support of HTML5 elements and media
aueries -->
   <!-- WARNING: Respond.js doesn't work if you view the page via file:// -->
   <!--[if lt IE 9]>
     <script
src="https://oss.maxcdn.com/html5shiv/3.7.3/html5shiv.min.js"></script>
     <script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>
   <![endif]-->
</head>
<body>
  <?php include_once('includes/header.php');?>
   <div class="page-header"><!-- page header -->
       <div class="container">
           <div class="row">
              <div class="col-lg-12 col-md-12 col-sm-12 col-xs-12">
                  <div class="page-caption">
                     <h2 class="page-title">Salon Service</h2>
                     <div class="page-breadcrumb">
                         <a href="index.php">Home</a>
                             service list
                         </div>
                  </div>
              </div>
           </div>
       </div>
   </div><!-- /.page header -->
   <div class="content">
       <div class="container">
           <div class="row">
              <div class="col-md-10 heading-section text-center ftco-animate"</pre>
style="padding-bottom: 20px;">
           <h2 class="mb-4">Our Service Prices</h2>
           Far far away, behind the word mountains, far from the countries
Vokalia and Consonantia
              <thead>  #
</thead> 
<?php
$ret=mysqli_query($con,"select *from tblservices");
```

```
$cnt=1;
while ($row=mysqli_fetch_array($ret)) {
 <?php echo $cnt;?> <?php echo
$row['ServiceName'];?> N<?php echo $row['Cost'];?> <?php echo</pre>
$row['Description'];?>  <?php</pre>
$cnt=$cnt+1;
}?> 
           </div>
       </div>
   </div>
    <div class="space-small bg-primary">
       <!-- call to action -->
       <div class="container">
           <div class="row">
               <div class="col-lg-8 col-sm-7 col-md-8 col-xs-12">
                   <h1 class="cta-title">Book your online appointment</h1>
                    Call to action button for booking
appointment.
               </div>
               <div class="col-lg-4 col-sm-5 col-md-4 col-xs-12">
                   <a href="appointment.php" class="btn btn-white btn-lg</pre>
mt20">Book Appointment</a>
               </div>
           </div>
       </div>
   </div>
   <?php include_once('includes/footer.php');?>
   <!-- /.footer-->
   <!-- jQuery (necessary for Bootstrap's JavaScript plugins) -->
   <script src="js/jquery.min.js"></script>
   <!-- Include all compiled plugins (below), or include individual files as
needed -->
   <script src="js/bootstrap.min.js"></script>
   <script src="js/menumaker.js"></script>
   <script src="js/jquery.sticky.js"></script>
    <script src="js/sticky-header.js"></script>
</body>
</html>
```