



## **Salon Appointment System**

**A Capstone Project Presented to the Faculty of the  
College of Business Administration  
Silliman University  
Hibbard Avenue, Dumaguete City**

**In Partial Fulfillment of the Requirements for the Course  
BA-AN 34P – Capstone**

**by**

**Abellana, Jeard Leslie G.  
Ege, Mitch M.  
Faburada, Renee Kristel Kate B.  
Libo-on, Samantha Gabrielle M.  
Sabanal, Christine Angelgrace D.  
Sarita, Melisa Cesah Marie P.**

**2022**

## Table of Contents

<b>Chapter I: Introduction</b>	<b>1</b>
Objectives	1
Scope and Limitations of the Project	1
Significance of the Project	2
<b>Chapter II: Review of Related Literature</b>	<b>3</b>
Theoretical Background	3
Related Literature	5
Related Works	6
<b>Chapter III: Technical Background</b>	<b>10</b>
Technicality of the Project	10
Details of the Technologies Used	10
How the Project Will Work	11
<b>Chapter IV: Methodology</b>	<b>13</b>
Environment	13
Locale	13
Organizational Chart	13
Requirements Specifications	14
Operational Feasibility	14
Functional Decomposition Diagram	14
Technical Feasibility	14
Compatibility Checking	14
Relevance of the Technologies	15
Schedule Feasibility	15
Gantt Chart	15
Economic Feasibility	16
Cost and Benefit Analysis	16
Cost Recovery Scheme	17
Requirements Modeling	17
Input	17
Process	18
Output	19
Performance	19
Control	19
Data and Process Modeling	20
Context Diagram	20
System Flowchart	21

Object Modeling	22
Use Case Diagram	22
Sequence Diagram	23
Risk Assessment Analysis	23
Design	24
Output and User-Interface Design	24
Forms	24
Reports	24
Data Design	25
Entity Relationship Diagram	25
Development	37
Software Specification	37
Hardware Specification	37
Program Specification	37
Programming Environment	38
Front End	38
Back End	38
Deployment Diagram	39
Test Plan	39
Test Data (Introduction ata ato ibutang diri)	39
System Testing	39
Acceptance Testing	40
<b>Conclusions</b>	<b>41</b>
<b>Recommendations</b>	<b>42</b>
<b>Implementation Plan</b>	<b>44</b>
<b>BIBLIOGRAPHY</b>	<b>46</b>
<b>APPENDICES</b>	<b>48</b>
Appendix A. Relevant Source Code	48
Appendix B. Evaluation Tool	49
Appendix C. Sample Input/Output/Reports	49
Appendix D. Users' Guide	49
Appendix E. Other Relevant Documents	49
Appendix F. Accomplished Forms	49
Appendix G. Curriculum Vitae	50
Appendix H. Curriculum Vitae	52
Appendix I. Curriculum Vitae	54

Appendix J. Curriculum Vitae	56
Appendix K. Curriculum Vitae	58
Appendix L. Curriculum Vitae	60

## **Chapter I**

### **Introduction**

Traditionally, booking appointments at beauty salons have been made through schedulers over the telephone or in person. These methods are based on verbal communications with real people. However, because these traditional methods require the involvement of schedulers, the ability to set up a timely appointment is not only limited by the availability of appointment slots, but also by the schedulers and phone lines. Just about every aspect of our lives has been altered by technological advancements. People would no longer require cards or other old means of conveying messages, but rather communicate through the use of advanced technology. A lot of business sectors have been incorporating technology into their system and the beauty salon industry has not been oblivious to innovations either. Modern beauty aesthetic is rapidly gaining popularity among the general public, particularly between young men and women. Salon beauty businesses are increasingly utilizing digital equipment in order to gain an edge over their competitors. Most salon owners are keen to offer their customers only with the greatest service possible in order to ensure that they stay with the salon for as long as possible.

### **Objectives**

The objectives of this project are:

- To automate the appointment scheduling process in local beauty salons;
- To reduce appointment scheduling errors;
- To increase salon productivity through improved and more organized salon operations;  
and
- To help staff manage their schedules more effectively.

### **Scope and Limitations of the Project**

This project will focus on creating an appointment system for local beauty salons in Dumaguete City. Natalie Nimpa Beauty Salon will be used as reference as to what needs to be taken into account when creating the appointment system.

The project will not extend to factors outside the reservation or accommodation process, such as payment and recommendations due to limited data and time constraints.

The time frame of the project is presented in a Gantt chart.

## **Significance of the Project**

This project presents considerable importance due to the impact it can have on the appointment system of the salon. It draws from the researcher's curiosity on the matter and their concern for the perception of the customers. The result of this project merits completion for its inquisitive nature that is geared towards providing credible data to the following beneficiaries of the project:

**Salon Administrator.** The Administrator will no longer exert an extra effort on taking all the appointments of clients because with the use of this system, it will automatically record it and all the appointments will be organized.

**Salon Clients.** This appointment system allows them to conveniently and securely book their appointments. It will help them to reduce their time on waiting and they can select the appointment time and date according to their preference. This appointment system also allows them to reschedule/cancel appointments immediately.

**Salon Staff.** This appointment system will enable staff to better manage and keep track of their schedules as well as focus on more important tasks.

**Researchers.** The project's success will help the researchers improve their knowledge and technical skills. This project may guide other researchers who may also be studying the same topic as another source of related literature. It benefits them because this project can help spark up the correct way of utilizing the available information, resources, and concepts that can help the community, specifically in the field of education, to create a better environment for learning.

## Chapter II

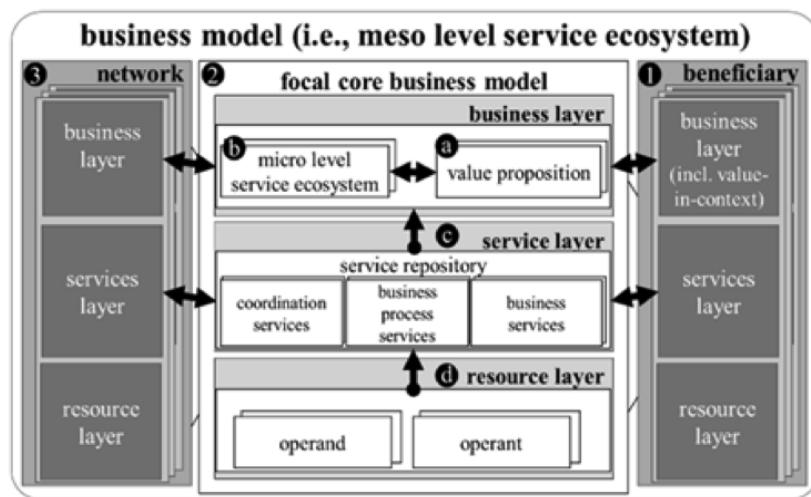
### Review of Related Literature

This chapter provides an overview of the literature that supports the study and seems to have implications for the conclusion. It is divided into two sections where the literature is tackled through the theoretical background, related literature, and related studies.

#### Theoretical Background

Weerakody and Hinton (1999) suggested that in order for firms to meet the changing nature of modern businesses, they must constantly reengineer their business processes and information systems. The Service-oriented Business Model (SoBM) (*Figure 1*) developed by Pfeiffer et al. (2017) highlights the importance of integrating digital technology in service oriented business model frameworks to address the need for businesses to adapt in this digitally driven world. This is a model that “has been designed to identify and leverage digital technology’s potential value and to improve the conceptualization of value creation and capturing in a digitally connected physical world.”

*Figure 1.* Service-oriented Business Model



**Note.** From “Service-oriented Business Model Framework - A Service-Dominant Logic Based Approach for Business Modeling in the Digital Era” by Pfeiffer, A., Krempels, K.-H., & Jarke,

M., 2017, Proceedings of the 19th International Conference on Enterprise Information Systems, 3, 361–372. (<https://doi.org/10.5220/0006255103610372>). Copyright by SCITEPRESS – Science and Technology Publications, Lda.  
<https://www.scitepress.org/papers/2017/62551/62551.pdf>

In nearly every industry sector, customer expectations, operational needs and technological evolution forces business leaders to rethink business strategy with regard to the role of digital technologies. Digital technologies are defined as “combinations of information, computing, communication, and connectivity technologies” (Bharadwaj et al., 2013). Digital technology is represented in the model as both operand (enabling) and operant (initiating) resources. Operand resources can be physical objects, machines, digital technology infrastructure, actors, norms, and rules. In contrast, operant resources are intangible and dynamic resources such as human skills, IT applications, business relations, and digitized information (Lusch and Nambisan, 2015). Mitchell (2003) cited that as an enabler, technology serves as a bridge across functional domains, acting as a channel for information and knowledge transfer which drives innovation. As an initiator, digital technology unlocks creativity and creates new opportunities for resource integration, service exchange, and service system innovation (Lusch and Nambisan, 2015).

The effectiveness of integrating digital technology in improving the overall business operations has been proven throughout the years (Berawi, 2018; Ksenofontov et al. (2019); Weerakody and Hinton (1999). Customer behavior, corporate processes, and the business environment have all been substantially transformed by technology and utilizing technology to innovate significantly enhances a company’s operations and allows them to secure more benefits, opportunities, and competitive advantage (Berawi, 2018). Ksenofontov et al. (2019) also acknowledges the need to use modern management technology to improve the efficiency of the various business processes.

Ksenofontov et al. (2019) noted that as a rule, there are about 20-30 business processes in the company. For service businesses such as salons, handling appointments is only one of them

and this is considered as one of the most essential tasks. This is a gateway for your business to earn revenue and it is vital that in this aspect, it must have a smooth transaction process.

## **Related Literature**

For many organizations, the traditional appointment procedure is not as straightforward as it appears. It is a time-consuming operation that often takes a significant amount of time and human resources to adequately handle. It can also have a negative impact on the organization's overall operations, preventing them from reaching its full potential. A more in-depth examination of an organization's scheduling systems, on the other hand, will disclose just how ineffective they are. This task might be tedious and costly. As a result, it is in an organization's best advantage to review how it presently handles its schedule and takes into account certain scheduling-related concerns. These are some of the factors to consider: staff resources needed for managing appointments; time needed for managing appointments; inconvenience for customers; and limited hours (Robinson, 2016).

Rather than time consuming and inconvenient traditional methods, businesses now utilize online appointment systems to automate appointment booking processes. An online appointment system enables customers to book their appointments online conveniently. Generally, this type of system features 24/7 availability which allows customers to book appointments anytime and from anywhere where there is internet connection, live calendar syncing, self-service rescheduling, and waitlist management (QLess, 2022).

Online appointment systems are used by many business organizations across different industries to boost their overall productivity, provide better customer service, and improve customer satisfaction. In the healthcare industry, appointment systems are widely used to reduce patient wait times, congestion in the waiting room, and dissatisfaction among personnel and patients resulting from unmet schedules (Cayirli & Veral, 2009). Government offices in the United States have also adapted this system to break away from the trend of having long queues and slow services. By implementing this digital solution, they are able to help control visitor traffic, improve operational efficiency, enhance employees' productivity, ensure better utilization

of employees, maximize employee working hours, provide convenience for citizens, enhance citizen satisfaction, and gain valuable insights regarding citizens (QLess, 2022).

The beauty and grooming industry is yet another benefactor of online appointment systems. Having this technology allows salon businesses to keep business open for 24/7, optimize salon schedules, and potentially increase revenues as well as allow staff to focus on more important tasks such as rendering services to clients. Data from Book Salon, a salon management system service provider, shows that 52% of appointments are booked between 5 PM to 9PM— outside working hours— which means that salons that do not have an online appointment are losing the opportunity to gain more clients. Additionally, one hair salon commented that having an online system has significantly reduced the amount of time the salon staff spend on the phone by 70% or as little as 10 minutes per day and their progress was unlike before where work was constantly stopped by phone calls (Salon Today, 2021).

There is a surging amount of competition among salon businesses in the Philippines. According to the Philippine Statistics Authority (2019), salons or beauty parlors account for the majority of the number of establishments among all the industries under the Other Service Activities sector. The beauty and grooming industry is one of the fastest growing industries in the Philippines with over 15 million barber and beauty shops across the country (The Philippines Magazine International, 2011). With an online appointment system, salon businesses can significantly improve their overall performance and potentially rise above the competition.

## **Related Works**

Appointment scheduling systems seem to be the most straightforward method to ensure that your customers would not have to wait on the premises until it becomes their turn to be served. Customers can arrive prior to their scheduled appointment, which could also significantly minimize their waiting period and therefore manage to reduce overcrowding in the reception or waiting area. As an outcome, businesses can remain in control over customers flow and maximize their personnel while minimizing or perhaps even eliminating unexpected walk-in clients. Many organizations have already integrated this type of technology into their business by

subscribing to third party appointment scheduling service providers or management system providers. Provided by the researchers below are the related works that incorporate appointment scheduling systems into their businesses. Each of them belonged to different sectors but rest assured that these businesses have come up with an effective system.

### **SHEARS Inc. Salon Management System**

The Salon Management System by SHEARS Inc. is purposefully developed as an alternative to its existing non-computerized system. It can help reduce the owner and employees workload. The methodology used in developing this system is the Software Development Life Cycle. Installed in computer devices, operates on a localhost server, and uses MySQL as the database. Shears Inc. Salon Management System is an option in managing salon recording tasks.

The salon has two categories for its transactions; daily and periodic transactions. The daily transactions are appointments, payments, and customer information, while the periodic transactions are composed of the stock inventory, information of the new products and the amount of products used. They are currently following the non-computerized system in recording these transactions.

Whenever certain calculations need to be done quickly, searching is needed and analysis takes time, in which the non-computerized or manual system cannot help with and doing so is very time consuming. In these kinds of situations, the computerized system of Shears Inc. salon, provides convenience to the users.

Users of the Shears Inc Management System are allowed to record different types of information including appointments, product details, transactions, show appointments in the system calendar and planner and as well as generate reports on employees performance. Bottomline , the system was developed successfully and met its objectives.

### **Simulation Driven Appointment System Model for a License Processing Office in the Philippines**

Today, transportation is a must. People need it to run errands, make it to important meetings, and so on. It is, of course, needed to go to the land transportation office when you need to renew, issue a new license, and other related documents that need to be filed or reviewed. However, processing legal documents has been proven difficult amidst the pandemic. Lesser people are allowed inside the land transportation offices, making the waiting and processing even longer than needed. This study was intended to show how to alleviate the time spent during the process through a simulated appointment systems model.

In order for the researchers to conduct their simulation, they gathered data on quantity of demand, arrival rate, waiting time, and processing time. To further verify their hypothesis, the following were used to analyze the data they gathered: Hypothesis Testing for the demand and waiting time, Distribution Testing for arrival and processing time, and Normal, Poisson, and Exponential Distribution for queuing. Sensitivity Analysis was also used to verify the robustness of the planned system as probable delays in the system or variations in pattern occurred to guarantee the efficacy of suggested adjustments.

Moving on to the systems model for the study, the researchers considered the LTO application processes: Fill-up forms and present documents, picture and signature taken, paying, lecture and written examination, practical examination, approval of examination, paying again, and claiming license and official receipt. The study also determined what days were the busiest for the office, and what days were the least busiest. To prove this hypothesis, as well, a T-test was performed.

ProModel was used to simulate the process flow of the land transportation office. ProModel is a discrete-event simulation tool used to plan, create, and enhance new and current manufacturing, logistics, and other operational systems. The three kinds of applicants were considered when they simulated the process. The simulation also factored the number of arriving applicants and their time of arrival, processing time for each, and the sequence of going to stations. A T-test was conducted to verify whether there were any significant differences.

In their sensitivity analysis, it was mentioned that, of course, applicants will not always arrive on time despite making an appointment. Because an appointment system is solely

impacted by the degree of lateness on the arrival of candidates, it is critical to factor the applicants' natural lateness.

The researchers concluded that walk-in applicants, or those who did not make an appointment, end up processing and waiting longer. If not, they don't get to finish the process at all, and end up doing it the next day. However, with the results they were able to get from their study, it was proven that it is possible for an information system for an appointment system to be made.

## **ZEROCLOCK: AN ONLINE APPOINTMENT BOOKING SYSTEM**

Waiting in line for hours is one of the biggest problems for Ghanaians. Queuing has continually resulted in a huge waste of time that can be spent on productive activities to make a valuable contribution to economic development. They may not participate in certain important activities when considering the time and opportunity cost of people lining up. Similarly, to avoid wasted time and additional costs to visit these long lines and venues, citizens bribe officials (Riley, 1999).

The use of the Internet continues to grow around the world, and the Internet has enabled several innovations. Examples of such innovations include the inventions of WhatsApp, Facebook and Instagram that helped facilitate communication. Developed countries have investigated the Internet and solved most of the problems they face using the Internet. After realizing that queues were a problem and having hours of standing in long queues, it became an area of interest to implement a platform that could eliminate or reduce queues. Reducing the time wasted by long queues is especially important for 72.65% of workers (World Bank, 2017). This is to save time in daily work and to contribute continuously to economic development. And so, the researchers came up with this proposed project; an appointment booking system. The basic functionality of this software package is to provide a platform for Ghanaians to book appointments and save the time spent in long queues. Some related works to this proposed project include but are not limited to Acuity Scheduling, Simplybook.me, AppointmentCare, Appointy and Setmore.

## **Chapter III**

### **Technical Background**

#### **Technicality of the Project**

Extensive research was done in relation to the project. The group had explored other similar online salon appointment system projects and studied their common features and different structures. The group also noted the different hardware and software tools that will be used. As the project is still ongoing, there is still a need to search for tools and software that can help improve the development of the system.

The online salon appointment system is a system where the salon's clients can book an appointment via online without having to call or go to the salon for the booking process. This is an IT and Analytics related project. Therefore, the majority of the terms used can only be understood by those in such fields. In this project, the group had made use of a wide range of tools, software, programs, and programming languages to develop the project. Some of which are Visual Studio Code, MySQL Database, XAMPP and WAMP Servers, phpMyAdmin, Bootstrap, Git, and GitHub. Programming languages used include PHP, SQL, JavaScript, CSS, and HTML.

#### **Details of the Technologies Used**

Local development servers, such as XAMPP and WAMP, are an important form of web development technology. They simulate the environment of a real web server, allowing the group to test the website code before moving on to the deployment step. WAMP was used by the Windows users while MacOS users utilized XAMPP as it is cross-platform. These were used by the group to develop the online salon appointment system because they are free, easy to install, and it is what the group has experience with. Both have the following features: Apache which is the most popular HTTP server and the world's most widely used web server software; PHP

which is a reflective programming language or server-side scripting language that is used by the proponents for web development; and MySQL, a relational database management system (RDBMS) and a popular choice of database for use in web applications.

PHPMyAdmin is a free and open source tool written in PHP intended to handle the administration of the MySQL Database Server with the use of a web browser. These are already accessible through XAMPP and WAMP and were also used in the development of the online salon appointment system.

The code editing tool utilized in this project is the Visual Studio Code, better known as VS Code. It is a source-code editor made by Microsoft for Windows, Linux and macOS where the Git features were optimized for synchronicity of the code. GitHub was used as the repository. This allows the group to collaborate remotely with ease.

## **How the Project Will Work**

The waterfall model was used in developing the proposed online salon appointment system. The first phase is planning. In the planning phase, the group defined the problem based on the actual observation of the current traditional booking system at Natalie Nimpa Beauty Salon. In this phase the group came up with this study as a solution to some of the common problems of the admin and clients in the said salon. The second phase is the analysis phase. The group analyzed the current manual salon appointment system being used in the institution, investigated the problems associated with it and evaluated alternative solutions. The third phase is the design phase, the proponents planned to design and integrate the network online with the scripting and programming language. In this phase the group decided that the application network design, user interface, and system interface would be designed using PHP to connect the webpage functions with the MySQL Database, SQL to communicate with the database, HTML to describe the web page structure, CSS and Bootstrap for styling, and JavaScript for creating data visualizations and making the web pages more dynamic. The fourth phase is development. In this phase, the online salon appointment system was built based on the design using the

different programming languages discussed. This phase covers the period where the group started to build the system up until it is tested and modified for changes and improvements.

The fifth phase, or the implementation, and the last phase which is support, are yet to be fulfilled. Implementation involves the deployment of the online salon appointment system and initial introduction and training of users to run the system. In this phase, the results will be determined and observed by running the system over a period of time to see how the system benefits the different users namely the admin, employees, and clients. The last phase of our waterfall model is the support phase where the group ensures that the system is functioning as it should be after the implementation. A user's manual will be produced to help guide the users. Included here will be the evaluation of the system in terms of its accuracy, effectiveness, functionality, and security.

## **Chapter IV**

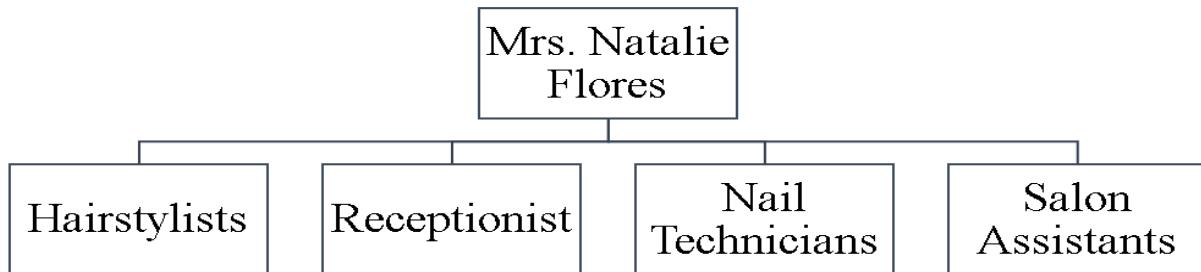
### **Methodology**

#### **Environment**

##### *Locale*

The locale of this research is Dumaguete City. It is the capital of the province of Negros Oriental and is nicknamed The City of Gentle People. Dumaguete has a land area of 3,362 hectares (8,310 acres), situated on the plains of the southeastern coast of the large island of Negros, near the mouth of the Banica River. It is bounded on the north by the town of Sibulan, on the south by the town of Baong and on the west by the town of Valencia. As a coastal city, it is bounded on the east by the Bohol Sea and the Tañon Strait, serving as a natural border of southeastern Negros Island Region to the neighboring Central Visayas. According to the Philippine Statistics Authority 2020 census, Dumaguete City has a population of 134,103. The city is accessible by air, land and water transportation from all points of the Philippines.

##### *Organizational Chart*



*Figure 2. Natalie Nimpa Salon Organizational Chart*

## Requirements Specifications

### *Operational Feasibility*

#### Functional Decomposition Diagram

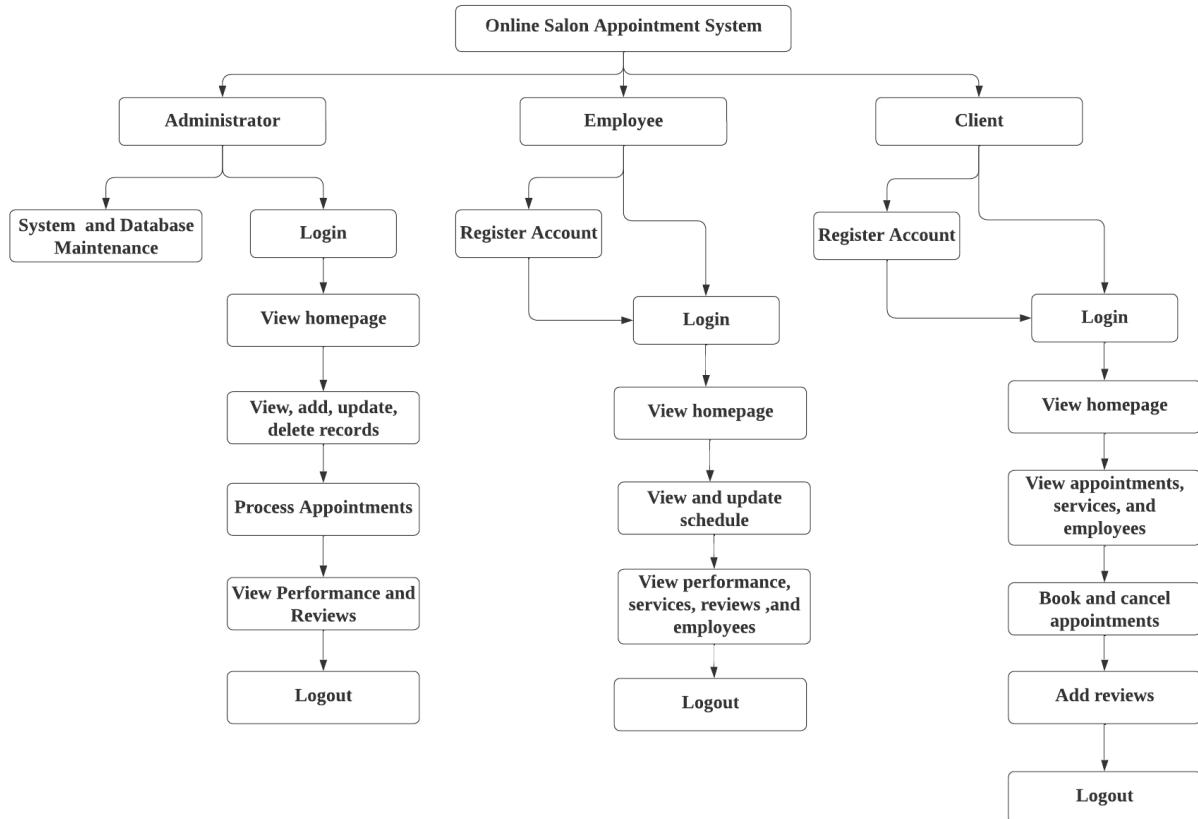


Figure 3.Functional Decomposition Diagram

### *Technical Feasibility*

#### Compatibility Checking

The appointment is currently only available for desktop and laptop computers. This is already available at Natalie Nimpa Salon. Upon deployment, the online salon appointment system will be accessible through various browsers such as Google Chrome, Safari, and Brave Browse using either Windows and Mac Operating Systems. In the case

of Natalie Nimpa Salon, they use Windows OS where Google Chrome is available. This also means that a stable internet connection is also important. However, given the poor conditions of internet connectivity in the country, this may become an issue.

## Relevance of the Technologies

It is important that the salon has a working computer with either of the said operating systems and web browsers since the appointment system is a web-based system. Internet connection is also required to connect with the remote database server.

### *Schedule Feasibility*

#### Gantt Chart

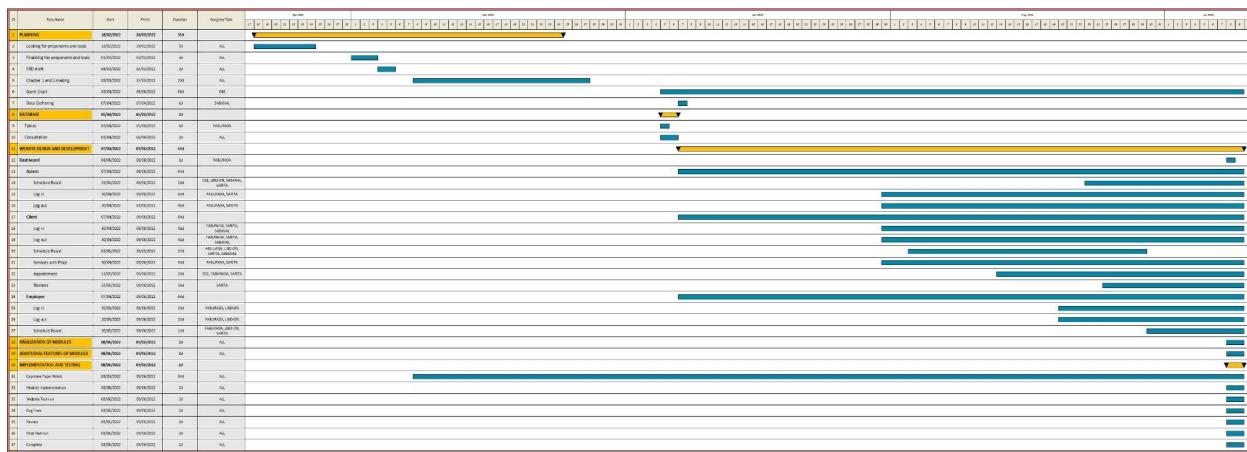


Figure 4. Online Appointment System Development Gantt Chart

## **Economic Feasibility**

Realistically, the following costs would have been incurred. However, the group made no financial investments in the initiative nor did the group solicit for funds. Hardware was already available and the cost of utilities (electricity and internet services) would have been spent regardless of whether or not the project was developed.

### **Cost and Benefit Analysis**

<b>INITIAL PROJECT COST ESTIMATE</b>				
<b>Project Name:</b> Appointment System for Natalie Nimpa Beauty Salon				
<b>DESCRIPTION</b>	<b>QTY</b>	<b>MATERIALS TOTAL COST (PHP)</b>	<b>LABOR TOTAL COST (PHP)</b>	<b>TOTAL (PHP)</b>
<i>Non-Recurring Cost</i>				
Servers (MySQL - Standard CAL)	1	11,060.63		11,060.63
Software License (Hostinger - Single) - Annually	1	47,077.32		47,077.32
Management Training	3		5,500	16,500
Tablet/ PC Setup	2	20,000	1,000	42,000
<i>Recurring Cost</i>				
Software Maintenance and Upgrades	2	30,000		60,000
Computer Supplies	4	10,000		40,000
Labor	3		10,000	30,000

*Table 1.* Initial Project Cost Estimate

## Cost Recovery Scheme

INITIAL PROJECT COST RECOVERY ESTIMATE			
<b>Project Name:</b> Appointment System for Natalie Nimpa Beauty Salon			
DESCRIPTION	CASH COLLECTED	COST RECOVERY	GROSS PROFIT RECOGNIZED
Servers (MySQL - Standard CAL)	11,060.63	11,060.63	-
Software License (Hostinger - Single) - Annually	47,077.32	47,077.32	-
Management Training	16,500	14,000	2,500
Tablet/ PC Setup	60,000	48,000	12,000
Software Maintenance and Upgrades	60,000	32,000	28,000
Computer Supplies	40,000	22,000	18,000
Labor	30,000	30,000	-

## Requirements Modeling

### Input

Data entry modules include the different forms and input buttons in the interface. These include the client, admin, and employee login forms, and the client registration form. Aside from the main client table in the database, when clients first register, the registration time and date is also recorded in the client tracker table. When logging in, data on the date and time of login is added to the login table along with the user's username and role (client, admin, or employee). Forms for booking insert and update data

into the appointment table and appointment detail table in the database. It also updates the availability of the schedule of the employees. The review form inserts records in the service review table.

The maintenance tables and forms can only be accessed by the admin. They are used to add, update, and/or delete data in the employee, client, service, schedule, and appointment tables. On the other hand, employees can only update their schedule availability and add schedule notes.

## **Process**

Processes include logging in, registering, and booking and canceling appointments on the clients' end. Booking an appointment is a three-step process where the client first chooses a date, enters the details, and confirms the details. They will then be redirected to their appointment list schedule where they have the option to cancel one service or the entire appointment. Logging in and adding, updating, and deleting client, employee, and service information are the processes done by the administrators. They also process appointments after they have been booked and confirmed. In the appointment processing page, they can edit the status of the appointments whether they have been canceled, fulfilled, partially fulfilled in a case where clients cancel some of the services, or whether it's a no show. For the employees, they go through the login process and they should be able to update their own schedule by marking whether or not they are available that day and adding some notes.

## **Output**

The data that has been inputted can be viewed in the different web pages. There are pages that are only exclusive for each user and user type. Clients can only view the appointments they have booked. They can also view the homepage with the salon's

pertinent information, the list of employees and their skills, service reviews, and the list of services with their prices, duration, and description if available.

Employees can also view the homepage, list of other employees, and the different services. They can also view their respective schedules. The administrator, on the other hand, can view all the pages mentioned including the salon performance dashboard.

## **Performance**

Ideally, there should be little to no lag time when submitting forms and navigating through the different pages.

## **Control**

Users must first register or sign up for an account in order to use the system because of the login module that will require username and password with validation checks to make sure that both the information from the database and the website matches. Only the administrators are in control of the data, while the users cannot add, delete or modify any data. Only the client login page has a directory that allows users to register. User authentication for every client, employee, and admin page is also required. Three authentication pages were created—client, employee, and admin.

## Data and Process Modeling

### Context Diagram

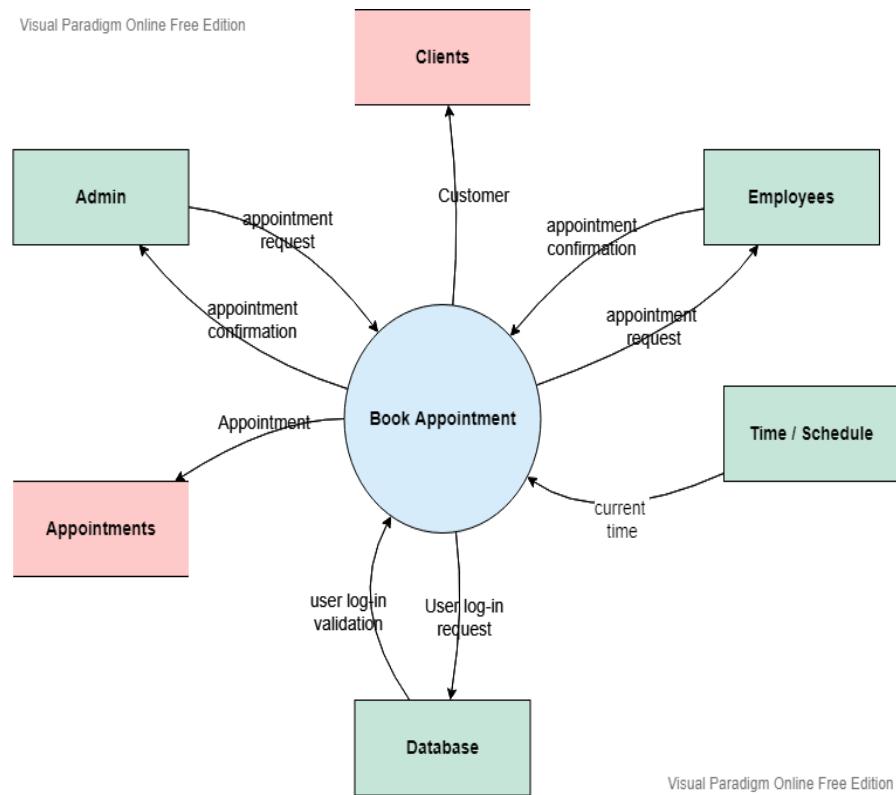


Figure 5. Context Diagram

## System Flowchart

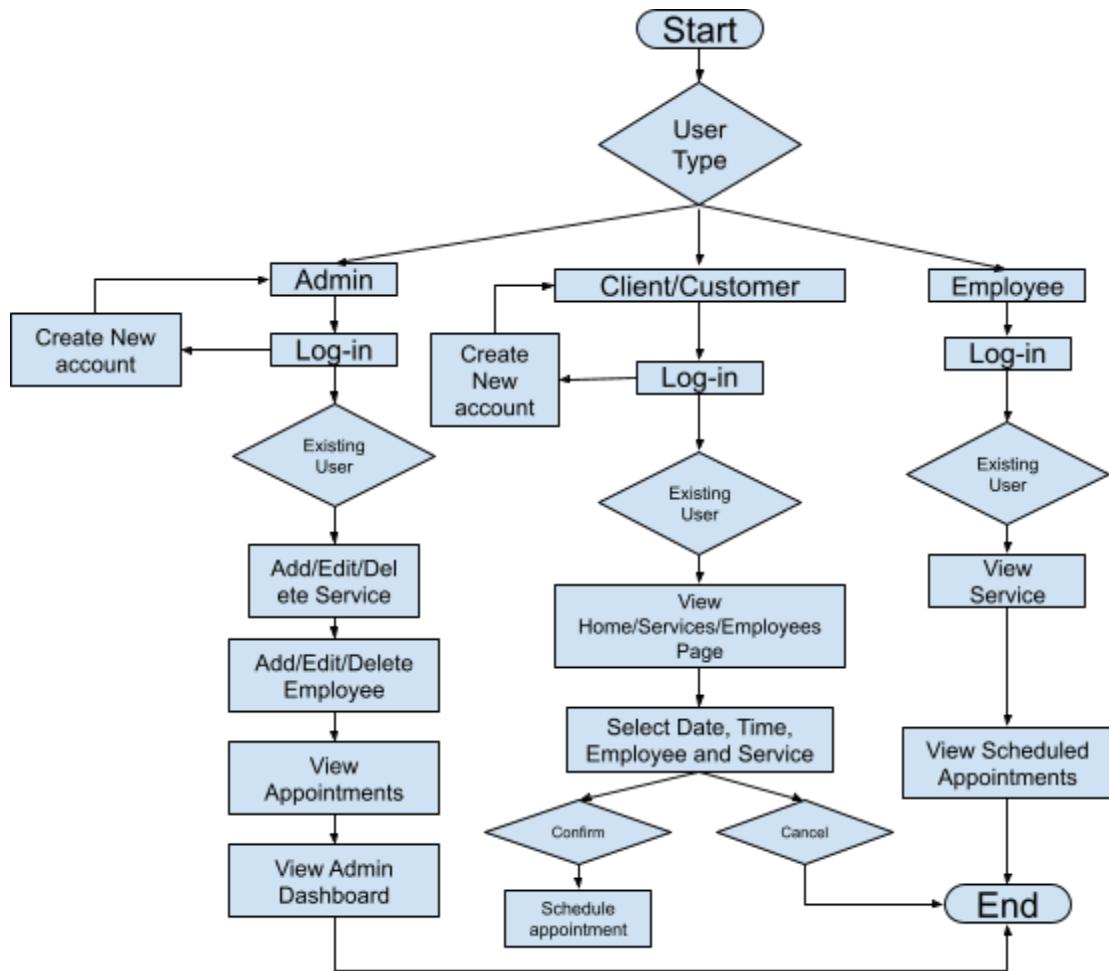


Figure 6. System Diagram

## Object Modeling

### Use Case Diagram



Figure 7. Case Diagram

## Sequence Diagram

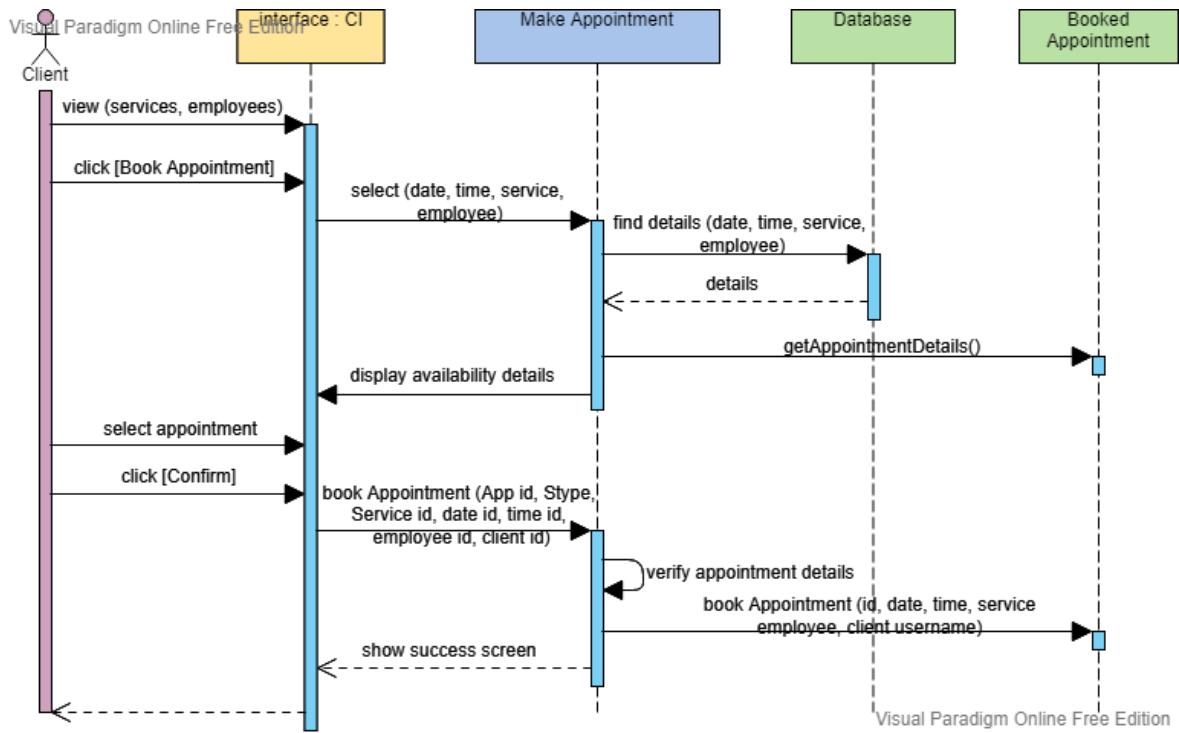


Figure 8. Sequence Diagram

## Risk Assessment Analysis

The online salon appointment system has several components. The client interface is a series of web pages that allow users to view the homepage which contains pertinent information regarding Natalie Nimpa Beauty Salon, different services offered by the salon, its employee, and their own appointments as well as book appointments. The admin interface includes maintenance tables and forms for adding records. The employee interface includes the different pages mentioned as well as the different employee schedule tables. The views are restricted to the different user roles and login authentication is required before a user is able to access the pages available to their respective roles. Passwords are also hashed for security purposes. The website also does not take any online payments nor does it require very sensitive information regarding the different users.

However, the group only has limited knowledge in the various cyber security measures that can be implemented in web applications. Security is only limited to login and authentication. In this regard, the group is not confident with the current measures that have been implemented. There is still a need to consult an IT expert for this matter.

## **Design**

### ***Output and User-Interface Design***

#### **Forms**

The forms incorporated in the three different interfaces in the online salon appointment system include the following:

##### **Client Interface:**

- Client Login Form
- Client Registration Form
- Review Form
- Appointment Booking Forms (Date Form, Appointment Details Form)

##### **Admin Interface:**

- Admin Login Form
- Service Information Form
- Client Information Form
- Employee Information Form

##### **Employee Interface:**

- Employee Login Form
- Schedule Status Form

## **Reports**

The following are the different report pages in the online salon appointment system:

- Performance Dashboard
- Client List
- Employee Schedule Tables
- Employee List
- Appointment List
- Service List

## Data Design

### Entity Relationship Diagram

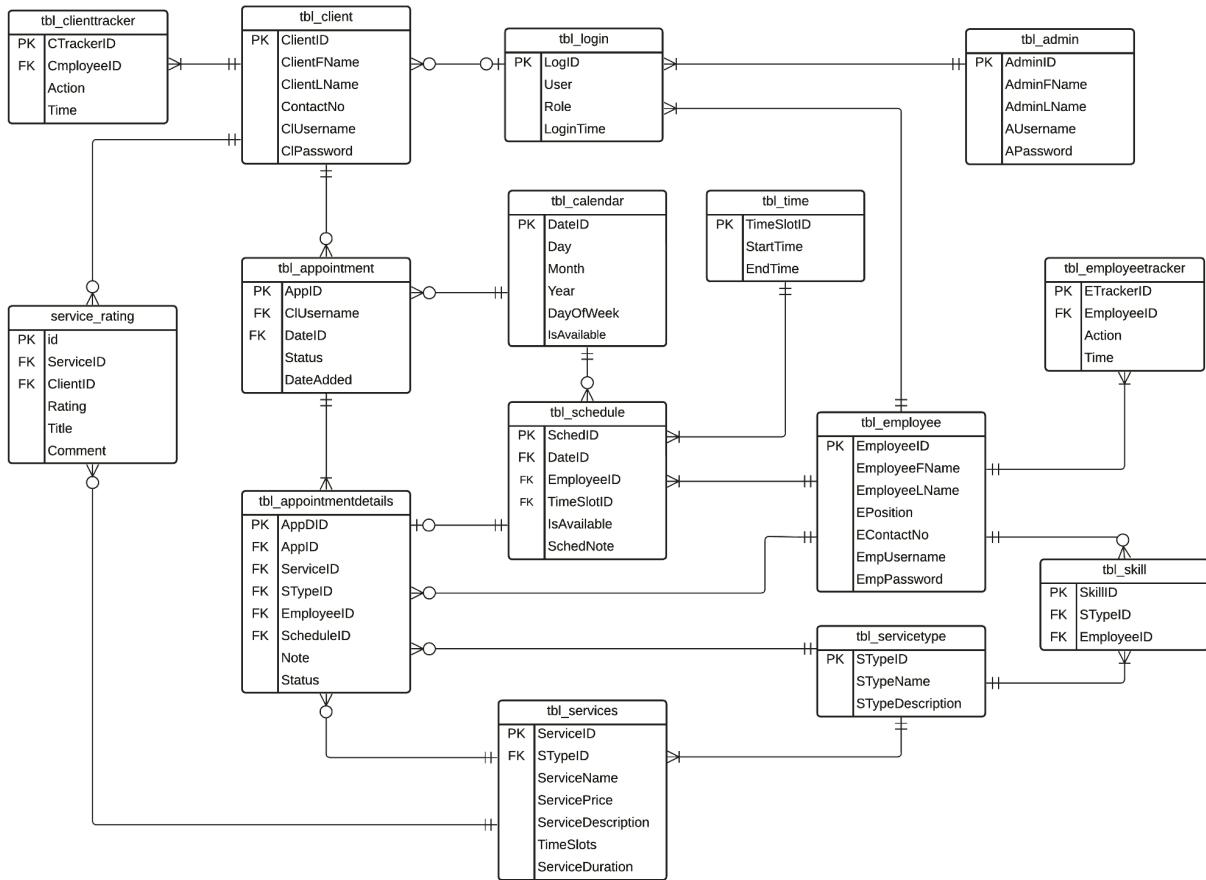


Figure 9. Entity Relationship Diagram

## Data Dictionary

### PRODUCT RATING TABLE

<u>Field Name</u>	<u>Data Type</u>	<u>Field Length</u>	<u>Constraint</u>	<u>Description</u>
ID	Int	11	Primary Key	Unique identifier for the ratings. Auto incremented
Product_id	Int	11	Not Null	Product identifier
User_id	Int	11	Null	User identifier
Rating_score	Int	11	Not Null	Number of rating
Title	Varchar	255	Not Null	Title of the comment
Comment	Text		Null	Opinions of the reviewers about the certain product.
Reviewer	Varchar	255	Null	The one who makes the comment.
Email	Varchar	255	Not Null	Email of the reviewer.
Status	Tinyint	1	Not Null	Whether the comment was blocked or not.
Created_at	Datetime		Not Null	Date where the comment was posted.
Updated_at	Datetime		Not Null	Date where the comment was edited.

Table 2. Product Rating Table

## SERVICES

<b><u>Field Name</u></b>	<b><u>Data Type</u></b>	<b><u>Field Length</u></b>	<b><u>Constraint</u></b>	<b><u>Description</u></b>
ID	Int	11	Primary Key	Unique identifier of the services. Auto Incremented
Name	Varchar	256	Not Null	Name of the service
Description	Text		Not Null	Description of the service
Price	Int	255	Not Null	Price of services
Image	Varchar	255	Not Null	Photo of the services
Created_at	Timestamp		Current Timestamp	Date when the services were created.
Updated_at	Timestamp		Current Timestamp	Date when the services were updated.

Table 3. Services Table

## ADMINISTRATION TABLE

<b><u>Field Name</u></b>	<b><u>Data Type</u></b>	<b><u>Field Length</u></b>	<b><u>Constraint</u></b>	<b><u>Description</u></b>
AdminID	Int	11	Primary Key	Unique identifier for each administrator, Auto incremented
AdminFName	Varchar	50	Not Null	Administrator's first name.

AdminLName	Varchar	50	Not Null	Administrator's last name.
AUsername	Varchar	50	Not Null	Administrator's username.
APassword	Varchar	255	Not Null	Administrator's password.

Table 4. Admin Table

#### APPOINTMENT TABLE

<u>Field Name</u>	<u>Data Type</u>	<u>Field Length</u>	<u>Constraint</u>	<u>Description</u>
AppID	Int	11	Primary Key	Unique identifier for each appointment.
Clusername	Varchar	50	Not Null	Client's username
DateID	Date		Not Null	Appointment Date
Status	Varchar	50	Null	Appointment Status
DateAdded	Datetime		Not Null	When the appointment information was added.
DateUpdated	Timestamp		Null	When the

				appointment information was updated.
--	--	--	--	--------------------------------------

Table 5. Appointment Table

#### APPOINTMENT DETAILS TABLE

<u>Field Name</u>	<u>Data Type</u>	<u>Field Length</u>	<u>Constraint</u>	<u>Description</u>
AppDID	Int	11	Primary Key	Unique identifier of the appointment details. Auto Incremented
AppID	Int	50	Not Null	Unique identifier for each appointment.
STypeID	Int	50	Not Null	Unique identifier for the service type
ServiceID	Int	50	Not Null	Unique identifier of services.
EmployeeID	Int	50	Not Null	Unique identifier of an employee.
ScheduleID	Int	50	Not Null	Unique identifier of a schedule.
Note	Varchar	250	Not Null	Additional notes
Status	Varchar	50	Not Null	Status of the appointment.

Table 6. Appointment Table

## CALENDAR TABLE

<u>Field Name</u>	<u>Data Type</u>	<u>Field Length</u>	<u>Constraint</u>	<u>Description</u>
DateID	Date		Primary Key	Unique identifier of the date in the calendar
Year	Smallint	6	Null	Year of the date
MonthNo	Tinyint	4	Null	What month the date falls
DayNo	Tinyint	4	Null	What day the date falls
MonthName	Varchar	9	Null	Name of the month
DayName	Varchar	9	Null	Day of the date
Weekday	Binary	1	Null	Either it is a weekday or not.
Holiday	Binary	1	Null	Either it is a holiday or not.
Available	Varchar	3	Null	Whether the date is available or not.

Table 7. Calendar Table

## CLIENT TABLE

<u>Field Name</u>	<u>Data Type</u>	<u>Field Length</u>	<u>Constraint</u>	<u>Description</u>
ClientID	Int	11	Primary Key	Unique identifier of a client.

ClientFName	Varchar	50	Not Null	Client's first name.
ClientLName	Varchar	50	Not Null	Client's last name.
CContactNo	Bigint	15	Null	Client's contact number.
CIUsername	Varchar	50	Not Null	Client's own username.
ClPassword	Varchar	50	Not Null	Client's own password

Table 8. Client Table

#### CLIENT TRACKER TABLE

<u>Field Name</u>	<u>Data Type</u>	<u>Field Length</u>	<u>Constraint</u>	<u>Description</u>
CTrackerID	Int	25	Primary Key	Unique identifier of a client tracker.
ClientID	Int	25	Not Null	Identifier of a client.
Action	Varchar	25	Not Null	To see what are the changes in the client table.
Time	Datetime		Not Null	Time the action was made.

Table 9. Client Tracker Table

#### DATE TABLE

<u>Field Name</u>	<u>Data Type</u>	<u>Field Length</u>	<u>Constraint</u>	<u>Description</u>
DateID	Int	11	Not Null	Unique identifier of the date

Day	Int	2	Not Null	What day the schedule falls into.
Month	Varchar	50	Not Null	What month the schedule falls into.
Year	Year	4	Not Null	What year the schedule falls into
DayOfWeek	Varchar	50	Not Null	What specific day of the week the schedule falls into.
IsAvailable	Varchar	1	Not Null	Whether the schedule is available or not.

Table 10. Date Table

## EMPLOYEE TABLE

<u>Field Name</u>	<u>Data Type</u>	<u>Field Length</u>	<u>Constraint</u>	<u>Description</u>
EmployeeD	Int	11	Primary Key	Unique identifier of an employee. Auto increment
EmployeeFNa me	Varchar	50	Not Null	Employee's first name.
EmployeeLNa me	Varchar	50	Not Null	Employee's last name.
EPosition	Varchar	50	Not Null	Job position of an employee.
EContactNo	Bigint	15	Null	Employee's contact number.
EmpUsername	Varchar	50	Not Null	Employee's own

				username.
EmpPassword	Varchar	50	Not Null	Employee's own password

Table 11. Employee Table

#### EMPLOYEE TRACKER TABLE

<u>Field Name</u>	<u>Data Type</u>	<u>Field Length</u>	<u>Constraint</u>	<u>Description</u>
EmpTrackerID	Int	25	Primary Key	Unique identifier of an employee tracker.
EmployeeID	Int	25	Not Null	Identifier of an employee.
Action	Varchar	25	Not Null	To see what are the changes in the employee table.
Date	Datetime		Not Null	Time the action was made.

Table 12. Employee Tracker Table

#### LOGIN TABLE

<u>Field Name</u>	<u>Data Type</u>	<u>Field Length</u>	<u>Constraint</u>	<u>Description</u>
LogID	Int	50	Primary Key	Unique identifier of the login. Auto Incremented
User	Varchar	50	Index	Username
Role	Varchar	50	Not Null	User's role.
LogTime	Datetime		Not Null	Time of log in.

Table 13. Login Table

## SCHEDULE TABLE

<u>Field Name</u>	<u>Data Type</u>	<u>Field Length</u>	<u>Constraint</u>	<u>Description</u>
SchedID	Int	11	Primary Key	Unique identifier of a schedule. Auto Incremented
EmployeeID	Int	10	Null	Identifier for an employee
DateID	Date		Null	Identifier for the date
TimeSlot	Int	10	Not Null	Schedule Time Slot
IsAvailable	Varchar	1	Null	To check if the specific date and time is available.
SchedNote	Varchar	150	Null	Additional notes.

Table 14. Schedule Table

## SERVICES TABLE

<u>Field Name</u>	<u>Data Type</u>	<u>Field Length</u>	<u>Constraint</u>	<u>Description</u>
Service_ID	Int	11	Primary Key	Unique identifier of services. Auto Incremented
STypeID	Int	50	Index	Identifier for a service type.
ServiceName	Varchar	50	Not Null	Name of service.
ServicePrice	Decimal	(10,2)	Not Null	Price of service.
ServiceDescription	Varchar	250	Not Null	Description of service

ServiceDuration	Time		Null	Duration of the service.
TimeSlot	Int	10	Not Null	Time slot of every service.
Available	Varchar	3	Not Null	To check whether the time slot is available or not.

Table 15. Services Table

#### SERVICE TYPE TABLE

<u>Field Name</u>	<u>Data Type</u>	<u>Field Length</u>	<u>Constraint</u>	<u>Description</u>
STypeID	Int	11	Primary Key	Unique identifier for a service type.
STypeName	Varchar	50	Not Null	Name of the type of service.
STypeDescription	Varchar	250	Not Null	Description of the type of service.

Table 16. Service Type Table

#### SKILLS TABLE

<u>Field Name</u>	<u>Data Type</u>	<u>Field Length</u>	<u>Constraint</u>	<u>Description</u>
SkillID	Int	50	Primary Key	Unique identifier of the skills of the employees
STypeID	Int	50	Not Null	Identifier for a service type.

EmployeeID	Int	50	Not Null	Identifier of an employee.
------------	-----	----	----------	----------------------------

Table 17. Skills Table

## TIME TABLE

<u>Field Name</u>	<u>Data Type</u>	<u>Field Length</u>	<u>Constraint</u>	<u>Description</u>
SkillID	Int	10	Primary Key	Identifier of the skills of the employees
StartTime	Int		Not Null	Time started.
EndTime	Int		Not Null	Time ended.

Table 18. Time Table

## USER TABLE

<u>Field Name</u>	<u>Data Type</u>	<u>Field Length</u>	<u>Constraint</u>	<u>Description</u>
UserID	Int	11	Primary Key	Unique identifier of a user.
First_Name	Varchar	50	Not Null	User's first name
Last_Name	Varchar	50	Not Null	User's last name
Username	Varchar	50	Not Null	User's user name
User_type	Varchar	50	Not Null	Type of user
Password	Varchar	50	Not Null	User's password

Table 19. User Table

## Development

### *Software Specification*

In the development of the online salon appointment system, it is important that the operating system used is able to install, run, and support the following tools and programs: Visual Studio Code, WAMP Server, XAMPP Server, phpMyAdmin, and Git. It is also critical that the operating system can support any of the internet browsers. In the case of this project, the latest versions of Windows OS and MacOS were utilized. Internet browsers used to test code outputs include Google Chrome, Safari (exclusive for MacOS users), and Brave Browser. Issues in running the said tools and programs may arise for some MacOS users. Such issues can be resolved by keeping the OS version up-to-date.

### ***Hardware Specification***

The following hardware specifications are recommended in order to develop the Online Appointment System smoothly: a personal computer (desktop/laptop) with a 1.6 GHz and above processor, and 1 GB of RAM.

### ***Program Specification***

A combination of various development tools and programs were used in the development of the online salon appointment system. These tools and programs include Visual Studio Code, WAMP Server, XAMPP Server, PHPMyAdmin, GitHub, and Git. PHPMyAdmin is a free and open source tool written in PHP intended to handle the administration of the MySQL Database Server with the use of a web browser. These are already accessible through XAMPP and WAMP. While XAMPP is supported on multiple platforms, WAMP is exclusive to Windows. MySQL Database was used to store the database.

The code editing tool utilized in this project is the Visual Studio Code, better known as VS Code. It is a source-code editor made by Microsoft for Windows, Linux and MacOS where the Git feature is optimized for synchronicity of the code. GitHub was used as the repository. This allowed the group to collaborate remotely with ease since the Git feature connects the VS Code program installed in the local computers of the group members to the GitHub repository.

## ***Programming Environment***

### **Front End**

CSS, Bootstrap, JavaScript, and HTML are the programming languages used for front end development. HTML helped describe the structure of the various components of the web pages.

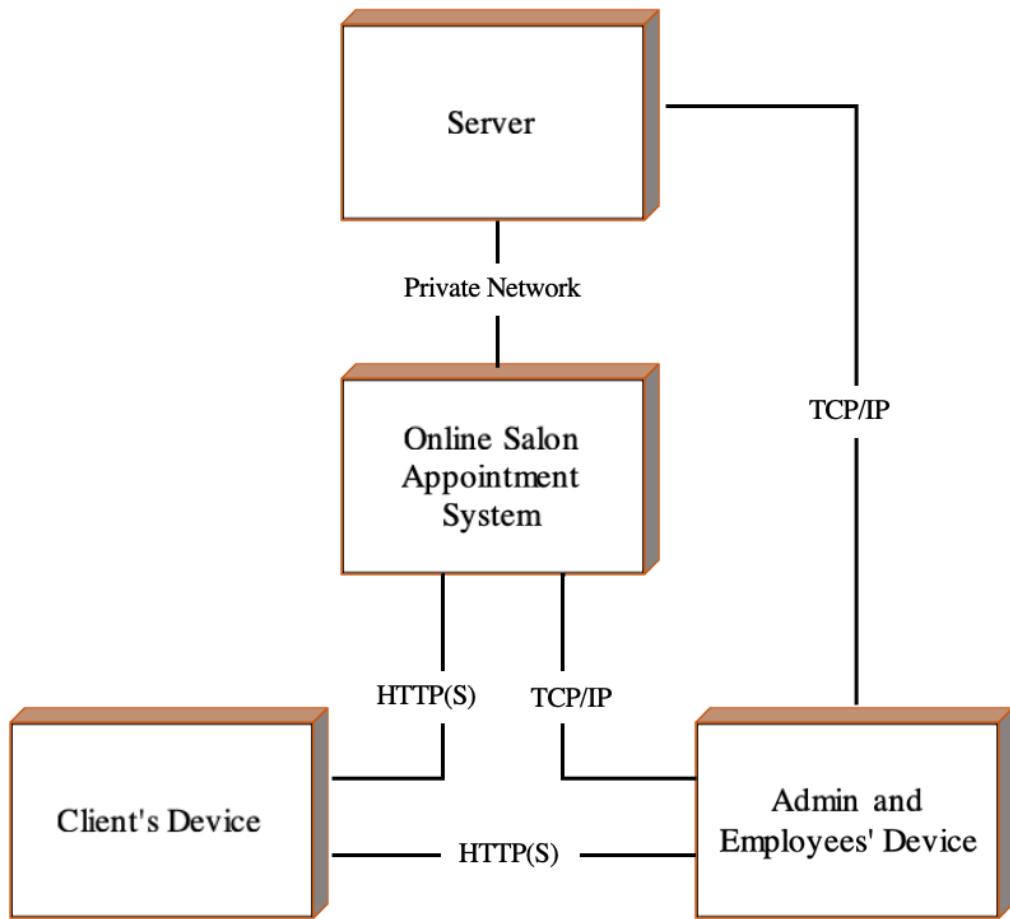
JavaScript was used to make the different pages more dynamic. This was used in error handling and creating filters. The chart.js library was also utilized to create data visualizations in the performance dashboard.

Both Bootstrap and CSS were used for styling.

### **Back End**

PHP was used to connect the web pages to the MySQL database. This allowed the group to retrieve data from the database to be displayed in the different web pages.

## ***Deployment Diagram***



*Figure 10. Deployment Diagram for the Online Salon Appointment System*

## ***Test Plan***

### **Test Data**

The overall purpose of testing is to ensure that the online salon appointment system will meet the technical and functional requirements needed. Tests will be conducted by navigating through the interface for each user, following the system flowchart provided in Figure 6. For the maintenance modules and the appointment process, realistic data shall be used since the group has limited access to actual data.

### ***System Testing***

This test stage will be performed by testers. They will validate all functions and system interfaces on the system. Errors caught shall be noted and reported to the group.

### ***Acceptance Testing***

Acceptance testing shall be done after the oral defense.

## **Conclusions**

The need for pampering and beauty services for both men and women is constantly growing. This poses a challenge to many salon business owners. Because of this, online appointment systems were created to make booking appointments easier for the client and the administrative staff. Nowadays, many industries implement the use of online appointment systems for convenience. Here in Dumaguete City, most clients of beauty salons book appointments through Facebook, and through SMS. Having an online appointment system allows clients and potential clients to book appointments anytime. By having a platform where clients can explore the salon and their services online and giving them the freedom of being able to book appointments outside office hours where they do not have to call and visit the salon to set one, the business can gain more customers and perhaps revenues.

With such a system, employees have a view of their daily schedules as well. Thus, they will be able to manage time better as well as be able to keep track of their productivity and performance.

Salons can also obtain valuable information regarding their clients and performance through the different reporting features in the system. By using these, they will be able to identify their best services, their busiest days, and the top spending clients. Having such kind of information will allow the business to come up with better and more effective strategies for business growth. With this, our group believes that this capstone project will open up opportunities for online appointment systems in the city.

## **Recommendations**

Online salon appointment systems should be utilized by salon business. These help beauty salon business owners ensure that their operations are more efficient and organized. This also allows clients to have access to the salon 24/7. By limiting the salon's availability to clients within office hours, the business is already losing potential revenue. Online appointment systems are not only limited to beauty salons, but are also applicable to all kinds of service businesses. Businesses involving bookings may utilize, enhance, and add more features that will tailor to the services they provide. This kind of system is more convenient to use. It can save time for both the management and the client, and allows management to be open for business all the time.

Amongst the most successful strategies to manage your organization and deliver exceptional service is to provide a convenient way to schedule an appointment with your clientele. Customers would then have to visit the actual physical business or reach you via phone and email to set up a reservation in the past. Furthermore, as the demand for online initial-appointment developed, prospective clients preferred to make reservations on online platforms rather than talking on the phone or exchanging emails. As a result, any business who does not have a simple reservation system on their web page might see a drop in customer rates. With an automated program made readily available, the appointment booking system provides seamless business operations, relieving the employees of the stress and allowing them to concentrate on other components of the business.

Here are three recommendations as to why an online salon appointment system should be incorporated. Firstly, implementing technological solutions to optimize customer interactions can increase better relations with customers. Customers would have more confidence in your company 's product or services if they can directly reach you. Customers also have absolute control throughout their reservations thanks to the appointment scheduling system. They can simply select a comfortable time from the list of available services. Secondly, it helps minimize the use of resources. Business owners will waste money in the process and invest extra time planning the schedule if they utilize a paper-based scheduling solution. It will also require additional people to coordinate the appointments and maintain the seamless operation of the

company. The online salon appointment scheduling system, on the other hand, accomplishes everything and more in just seconds. As a result, rather than just another conventional computing approach, an automated system such as appointment scheduling software is a better option. And lastly, it provides detailed business insights. Business owners will gain accessibility to their customers' information through an appointment scheduling system, making it simple to generate better business choices. This may improve your customer services by knowing your peak work hour, most preferred services, and other related metrics. Customers are an organization's most significant asset, and maintaining them satisfied ought to be a top priority. A business that wants to be successful in the industrial online market requires a diverse array of techniques to succeed, and one of those things is an excellent online salon appointment scheduling system.

## **Implementation Plan**

### Project Implementation Checklist

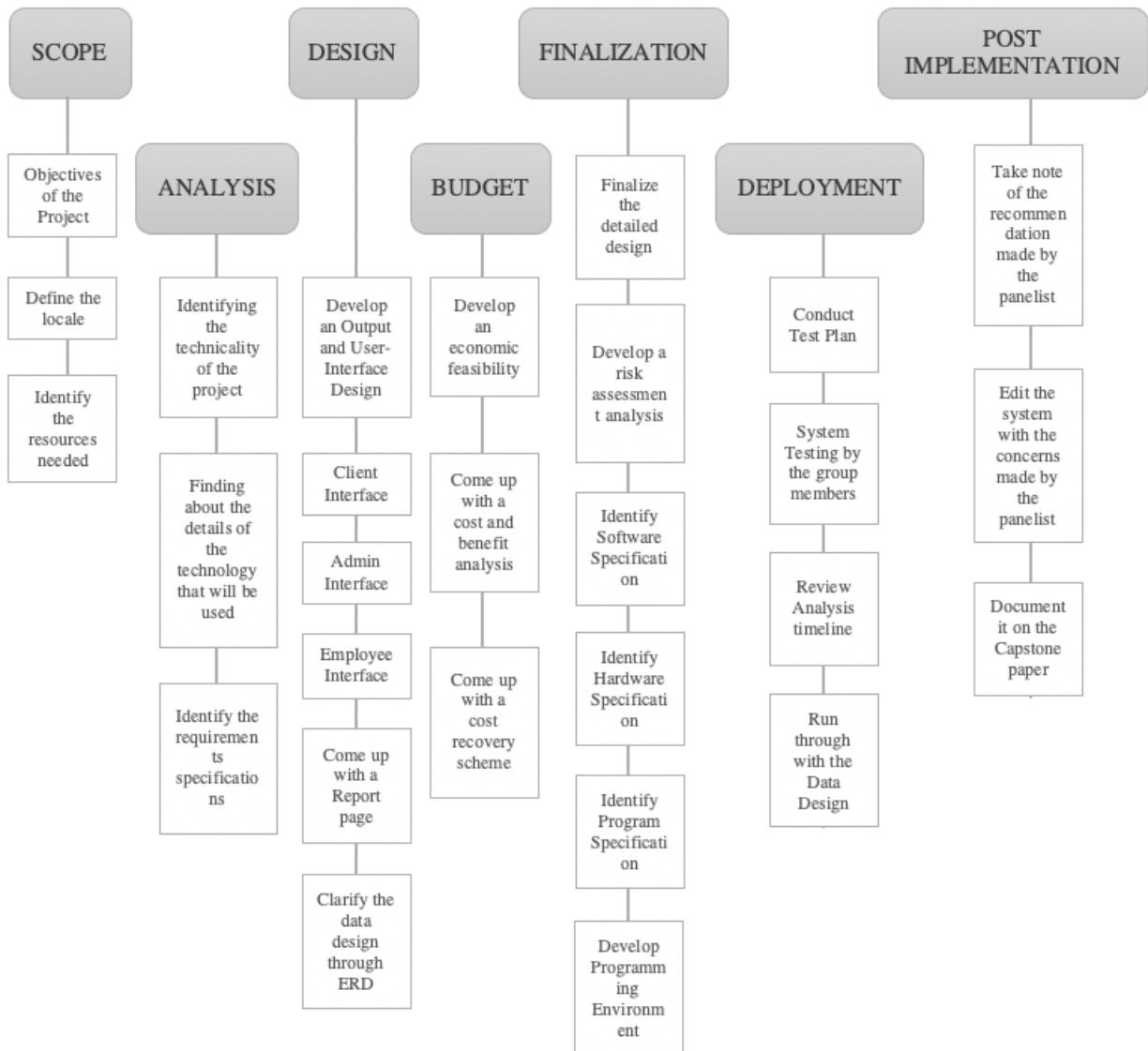
<b><u>Planning</u></b>	<b><u>Status</u></b>
Brainstorming	Finished
Creating Project Narrative Draft	Finished
Consultation	Finished
Finalizing Project Topic and Proponent	Finished
Communicating with the Beauty Salon owner	Finished
ERD	Finished
Gantt Chart	Finished
<b><u>Design</u></b>	<b><u>Status</u></b>
Database Design	Finished
Interface Design	Finished
<b><u>Development</u></b>	<b><u>Status</u></b>
User Login Module	Finished
Log in	Finished
Log out	Finished
Registration	Finished

## Implementation Contingency

Scenario	Objective	Response
System Errors	Be able to fix the errors	Look for a professional to fix the errors.
Software malfunctions	Backup the files	Look for a professional or someone knowledgeable to back up and fix the software.
Internet connection problems	Have a stable one	Contact immediately the internet provider so that the problem will be fixed
Electricity blackout	Power supply backup	Prepare any generator or power supply and contact the electricity provider in the area

## Infrastructure/Deployment

Developing your business' infrastructure can be considered as an investment in your industry's potential performance, and it is not something to be taken for granted. To avoid overburdening your technological management resources department, it can often be preferable to come up with your own infrastructure design and deployment.



*Infrastructure Plan for the Online Salon Appointment System*

## BIBLIOGRAPHY

- Berawi, M. A. (2018). Improving Business Process Through Advance technology Development. *International Journal of Technology*, 9(4), 641. <https://doi.org/10.14716/ijtech.v9i4.2221>
- Cayirli, T., & Veral, E. (2009). Outpatient scheduling in Health Care: A Review of Literature. *Production and Operations Management*, 12(4), 519–549. <https://doi.org/10.1111/j.1937-5956.2003.tb00218.x>
- Ksenofontov, A. A., Ksenofontov, A. S., Kirpicheva, M. A., & Trifonov, P. V. (2019). The use of modern management technology to improve business efficiency. *IOP Conference Series: Materials Science and Engineering*, 483, 012114. <https://doi.org/10.1088/1757-899x/483/1/012114>
- Lusch, R. F., & Nambisan, S. (2015). *Service Innovation: A Service-Dominant Logic Perspective*. MIS Quarterly, 39(1), 155-175.
- Mitchell, H. J. (2003). Technology and Knowledge Management. *Knowledge Management*, 66–78. <https://doi.org/10.4018/978-1-93177-751-3.ch006>
- Pfeiffer, A., Krempels, K.-H., & Jarke, M. (2017). Service-oriented Business Model Framework - A Service-Dominant Logic Based Approach for Business Modeling in the Digital Era. *Proceedings of the 19th International Conference on Enterprise Information Systems*, 3, 361–372. <https://doi.org/10.5220/0006255103610372>
- Philippine Statistics Authority. (2019, January 17). *2016 Annual Survey of Philippine Business and Industry (ASPBI) - Other Service Activities Sector For All Establishments: Final Results*. Retrieved March 9, 2022, from <https://psa.gov.ph/content/2016-annual-survey-philippine-business-and-industry-aspbi-other-service-activities-sector-0>
- QLess. (2022, January 14). *The advantages of using online appointment scheduling software for Government Offices*. Retrieved March 9, 2022, from <https://qless.com/the-advantages-of-using-online-appointment-scheduling-software-for-government-offices/>
- Richardson, B. (2016). *Manual Vs. Automated Appointment Scheduling*. Retrieved March 9, 2022 from <https://silo.tips/download/manual-vs-automated-appointment-scheduling/#>
- Salon Today. (2021, November 30). *A Closer Look at When Clients Book Appointments*. Retrieved March 9, 2022, from <https://www.salontoday.com/1078384/a-closer-look-at-when-clients-book-appointments>

The Philippines Magazine International. (2018, January 11). *Philippines Barber Salon Industry Game Changer: SWAG PH.* Retrieved March 9, 2022, from <https://thephilippinesmagazine.com/phillipines-barber-salon-industry-game-changer-swag-ph/>

Chai, A., Wen, C. Research Gate. (2017, November). *SHEARS INC. Salon Management System.* Retrieved Mar 14, 2022, from [https://www.researchgate.net/publication/323194514\\_SHEARS\\_INC\\_Salon\\_Management\\_System](https://www.researchgate.net/publication/323194514_SHEARS_INC_Salon_Management_System)

Yandug, J. S., Santos, C. A. (March 2020). *Simulation Driven Appointment System Model for a License Processing Office in the Philippines.*

Retrieved March 14, 2022, from <http://www.ieomsociety.org/ieom2020/papers/489.pdf>

Gumah, W. (April 2018). *ZEROCLOCK: AN ONLINE APPOINTMENT BOOKING SYSTEM.* Retrieved March 14, 2022, from [https://air.ashesi.edu.gh/bitstream/handle/20.500.11988/423/Gumah\\_Warihana\\_2018\\_CS\\_AppliedProject.pdf?sequence=1&isAllowed=y](https://air.ashesi.edu.gh/bitstream/handle/20.500.11988/423/Gumah_Warihana_2018_CS_AppliedProject.pdf?sequence=1&isAllowed=y)

## APPENDICES

### Appendix A. Relevant Source Code

<https://github.com/reneekristelkate/capstone/blob/master/aptsys.sql>

The screenshot shows the GitHub repository page for 'reneekristelkate / capstone'. The repository is private. The master branch has 1 branch and 0 tags. The commit history shows several updates from users like 'reneekristelkate', 'applicationlayer', 'e\_star', 'midtermproj', 'star', '.DS\_Store', and 'index.php' over the past 9 days. The 'About' section indicates no description, website, or topics provided. The 'Releases' section shows no releases published, with a link to 'Create a new release'. The 'Packages' section shows no packages published, with a link to 'Activate Windows' and 'Publish your first package'.

### Booking an Appointment

appointment\_index.php

```
<?php
require_once("connection.php");
$output = seeclients();

// show($_POST);

if (isset($_POST['deleteID']) && isset($_POST['deleteclient']))
{
    delete1client($_POST['deleteID']);
    unset($_POST);
}
?>

<!DOCTYPE html>
<html lang="en">
```

```

<head>
<meta charset="utf-8">
<meta content="width=device-width, initial-scale=1.0" name="viewport">

<title>Appointments</title>
<meta content="" name="description">
<meta content="" name="keywords">

<?php include 'links.php' ?>

</head>

<body>

<!-- ===== Header ===== -->
<?php include 'header.php' ?> <br> <br>

<!-- ===== Services Section ===== -->
<section id="menu" class="menu">
<div class="container ">

<div class="section-title">
<h2>Our <span>Clients</span></h2>
</div>
<a href="client_info.php" class="btn btn-warning btn-sm"> + Add Client </a>

<div class="table-responsive">
<br>
<table class="table align-middle table-borderless">
<thead style="color: #444444">
<th>ID</th>
<th>First Name</th>
<th>Last Name</th>
<th>Contact No.</th>
<th>Username</th>
<th>Password</th>
<th>Action</th>
</thead>
<tbody style="color: #444444">
<?php foreach ($output as $key) >

```

```

    {
        ?>
        <form method="POST" id="clientdelete<?php echo
$key['ClientID']; ?>">
            <input type="hidden" name="deleteID"
value="<?php echo $key['ClientID']; ?>">
            </form>
            <form action="client_info.php" method="POST"
id="clientedit<?php echo $key['ClientID']; ?>">
                <input type="hidden" name="editID"
value="<?php echo $key['ClientID']; ?>">
                </form>
                <tr>
                    <td><?php echo $key['ClientID']; ?></td>
                    <td><?php echo $key['ClientFName']; ?></td>
                    <td><?php echo $key['ClientLName']; ?></td>
                    <td>+63 <?php echo $key['CContactNo']; ?></td>
                    <td><?php echo $key['CIUsername']; ?></td>
                    <td><?php echo $key['CIPassword']; ?></td>
                    <td>
                        <button class="btn btn-secondary btn-sm"
form="clientedit<?php echo $key['ClientID']; ?>" name="editclient"><i class="bi
bi-pencil"></i> </button>
                        <button class="btn btn-danger btn-sm"
form="clientdelete<?php echo $key['ClientID']; ?>" onclick="return delconf(<?php echo
$key['ClientID'] ?>)" name="deleteclient"><i class="bi bi-trash"></i></button>
                    </td>
                </tr>
                <?php
}
?>
            </tbody>
        </table>
    </div>
    </div>
</section>

<!-- ===== Footer ===== -->
<?php include 'footer.php' ?>

<!-- Vendor and Template JS Files -->

```

```

<?php include 'jsfiles.php' ?>

<script type="text/javascript">
    function delconf(clientDel)
    {
        var conf = confirm("Are you sure you want to delete this client?");
        return conf;
    }
</script>

</body>

</html>

```

*C\_appointment\_info.php*

```

<?php
    include("clientauth.php");
    require_once("connection.php");
    extract($_POST);

    if (isset($_POST['submitbtn']))

    {
        addappointment($CIUsername, $DateID, $AppID, $ClientID, $Status);
    }

?>

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="utf-8">
    <meta content="width=device-width, initial-scale=1.0" name="viewport">

    <title>Appointment Booking</title>
    <meta content="" name="description">

```

```

<meta content="" name="keywords">

<?php include 'links.php' ?>

</head>

<body>

<!-- ===== Header ===== -->
<?php include 'c_header.php' ?>

<!-- ===== Content ===== -->
<section id="information" class="information">

<div class="container mt-5">

<div class="section-title">
    <h3 style ="font-family: 'Poppins', sans-serif; font-weight: 700;"> Appointment <span
    style="color: #ffb03b;"> Booking</span></h3>
</div>

<div class="section-title">
    <h3 style ="font-family: 'Poppins', sans-serif; font-weight: 600; font-size: 20px; color:
    #433f39;"> Choose a Date </h3>
    <span style="color: #ffb03b;">Fill in the Details <br>
    Review Appointment Details</span>
</div>

<div class="info-wrap">

<form method="post">
    <input type="hidden" name="AppID" value="">
    <input type="hidden" name="CIUsername" value="<?php echo $_SESSION['CIUsername'];
?>">
    <input type="hidden" name="ClientID">
    <input type="hidden" name="Status" value="Not Confirmed">
    <div class="row">
        <div class="col-md-10 form-group">

```

```

<input class="form-control" type="date" name="DateID" id="DateID" placeholder="When
would you like to have your appointment?">
    min='<?php echo date("Y-m-d",strtotime('1 day'));?>' max='<?php echo
date("Y-m-d",strtotime('2 months'));?>' required="required">
</div>
<button class="btn btn-warning col-md-2 form-group" value="submit" name="submitbtn"
onclick="return dateconf()"> Next </button>

</div>
</form>
</div>
</div>
</section>

<div>
<br><br><br><br><br><br><br><br><br><br>
<br><br><br><br><br><br><br><br><br><br><br>
</div>
<!-- ===== Footer ===== -->
<?php include 'footer.php' ?>

<!-- Vendor and Template JS Files -->
<?php include 'jsfiles.php' ?>

<script type="text/javascript">
    function dateconf(nextconf)
    {
        var conf = confirm("Are you happy with the date? You will no longer be able to edit the date
further in the process.");
        return conf;
    }
</script>

</body>

</html>

```

*c\_appdetails\_info.php*

```
<?php
    require_once("connection.php");
    include("clientauth.php");
    extract($_POST);
    extract($_GET);

    if (isset($_POST['deleteID']) && isset($_POST['deleteDetail']))
    {
        delete1appdetail($_POST['deleteID']);
        unset($_POST);
        editschedstatusy($Schedule, $Slots);
    };

    if (isset($_POST['submitbtn']))
    {
        addappdetail($AppID, $ServiceType, $Service, $EmployeeName, $Schedule, $Note,
$Status, $AppDID);
        editschedstatusn($Schedule, $Slots);
    };

    $appdetailInfo = seeappdetails($AppID);
    extract($appdetailInfo);

    $seeprice = seetotalprice($AppID);
    extract($seeprice);

    $appointmentInfo;
    $appointmentInfo = get1appointment($AppID);
    extract($appointmentInfo[0]);
?>

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="utf-8">
    <meta content="width=device-width, initial-scale=1.0" name="viewport">
```

```

<title>Appointment Details</title>
<meta content="" name="description">
<meta content="" name="keywords">

<?php include 'links.php' ?>

</head>

<body>

<!-- ===== Header ===== -->
<?php include 'c_header.php' ?>

<!-- ===== Content ===== -->
<section id="information" class="information">

<div class="container mt-5">

<div class="section-title">
  <h3 style = "font-family: 'Poppins', sans-serif; font-weight: 700;"> Appointment <span
  style="color: #ffb03b;"> Booking</span></h3>
</div>

<div class="section-title">
  <span style="color: #ffb03b;"> Choose a Date </span>
  <h3 style = "font-family: 'Poppins', sans-serif; font-weight: 600; font-size: 20px; color:
  #433f39"> Fill in the Details </h3>
  <span style="color: #ffb03b;">Review Appointment Details</span>
</div>

<div class="info-wrap">

Date:  <?php echo $DateID ?>

<br><br>

<form method="post">
<input readonly="" type="hidden" name="AppID" value="<?php echo $AppID ?>">
<input readonly="" type="hidden" name="AppDID" value="">

```

```

<input readonly="" type="hidden" name="DateID" id="DateID" value=<?php echo $DateID
?>>
<div class="row">

<div class="col-md-6 form-group">
    <select name="ServiceType" class="form-control" required="required"
id="ServiceType">
        <option value="">Select Service Category</option>
        <?php
            $query = "SELECT * FROM `tbl_servicetype`";
            $result = mysqli_query($connection, $query);
            while ($row = mysqli_fetch_array($result)) {
        ?>
        <option value=<?php echo $row["STypeID"]; ?>><?php echo $row["STypeName"];
?></option>
        <?php
        }
        ?>
    </select>
</div>

<div class="col-md-6 form-group">
    <select name="Service" class="form-control" id="Service"
required="required">
        <option value="">Select Service</option>
        </select>
</div>

<br><br>
<div class="col-md-6 form-group">
    <select name="EmployeeName" class="form-control" id="EmployeeName"
required="required">
        <option value="">Select Stylist</option>
        </select>
</div>

<div class="col-md-6 form-group">
    <select name="Schedule" class="form-control select" id="Schedule"
required="required">
        <option value="">Select Time</option>

```

```

        </select>
</div>

<br><br>

<div class="col-md-12 form-group">
    <textarea name = "Note" class="form-control" rows="2" placeholder="You may leave a
note for your stylist here."></textarea>
</div>

<br><br><br>

<select name="Slots" style="display:none;" id="Slots" required="required">
    <option value="">Time Slot</option>
    </select>
<input readonly="" type="hidden" name="Status" value="Not Confirmed">
<input readonly="" type="hidden" name="IsAvailable" value="N">

<div class="col-md-12 form-group">
    <button class="btn btn-warning" value="submit" name="submitbtn"> Add to
Appointment </button>
</div>

<!-- <br><br><br>
<div>
    <button class="btn btn-warning col-md-2 form-group" value="submit" name="submitbtn">
Next </button>
</div> -->
</div>
</form>

</div>

<!-- <a href="client_info.php" class="btn btn-warning btn-sm"> + Add Client </a> -->

<div class="table-responsive">
<br>
<table class="table align-middle table-borderless">

    <thead style="color: #444444">
```

```

<th>Schedule</th>
<th>Stylist</th>
<th>Service</th>
<th>Price</th>
<th></th>
</thead>
<tbody style="color: #444444">

    <?php foreach ($appdetailInfo as $key)
    {
        ?>
        <form method="POST" action="c_appdetails_info.php?AppID=<?php echo
$key['AppID']; ?>" id="deletedetail<?php echo $key['AppDID']; ?>">
            <input type="hidden" name="Slots" value="<?php echo $key['TimeSlot']; ?>">
            <input type="hidden" name="Schedule" value="<?php echo $key['ScheduleID']; ?>">
            <input type="hidden" name="deleteID" value="<?php echo $key['AppDID']; ?>">
        </form>
        <tr>
            <td><?php echo $key['STime']; ?></td>
            <td><?php echo $key['EmployeeName']; ?></td>
            <td> <?php echo $key['ServiceName']; ?></td>
            <td><?php echo $key['ServicePrice']; ?></td>
            <td>
                <button class="btn btn-danger btn-sm" form="deletedetail<?php echo
$key['AppDID']; ?>" onclick="return delconf(<?php echo $key['AppDID'] ?>)"
                    name="deleteDetail"><i class="bi bi-trash"></i></button>
            </td>
        </tr>
        <tr>
            <td></td>
            <td colspan="4" style="text-align: center; vertical-align: middle;">
                <i> * <?php echo $key['Note']; ?></i>
            </td>
        </tr>

    <?php
    }
    ?>
</tbody>
</table>
</div>

```

```

<div>
<br><br>
</div>

<div class="row">
    <div class="text-start col-md-6" style="text-align:center;">
        <?php foreach ($seeprice as $key)
            {
        ?>
        <h3 style ="font-family: 'Poppins', sans-serif; font-weight: 600; font-size: 20px;">
            TOTAL: PHP <?php echo $key['SPrice']; ?>
        </h3>
        <?php
            }
        ?>
    </div>
    <div class="col-md-6 text-end">
        <a href="c_reviewdetails.php?AppID=<?php echo $AppID; ?>" style ="font-family: 'Poppins', sans-serif; font-weight: 600; font-size: 20px;">
            Review Appointment Details <i class="bi bi-arrow-right"></i> </a>
    </div>
    </div>
</div>
</section>

<div>
<br><br><br><br><br><br><br><br><br>
</div>
<!-- ===== Footer ===== -->
<?php include 'footer.php' ?>

<!-- Vendor and Template JS Files -->
<?php include 'jsfiles.php' ?>

<script type="text/javascript">
function delconf(detailDel)
{

```

```

var conf= confirm("Are you sure you want to delete this?");
return conf;
}
</script>

<script src="https://code.jquery.com/jquery-3.5.1.min.js" crossorigin="anonymous"></script>
<script>
$(document).ready(function() {
    $('#ServiceType').on('change', function() {
        varTypeID = this.value;
        $.ajax({
            url: "get_service.php",
            type: "POST",
            data: {
               TypeID:TypeID
            },
            cache: false,
            success: function(result) {
                $("#Service").html(result);
            }
        });
    });
});

$(document).ready(function() {
    $('#Service').on('change', function() {
        var ServiceID = this.value;
        var SchedDate = "<?php echo $DateID?>";
        $.ajax({
            url: "get_stylist.php",
            type: "POST",
            data: {
                ServiceID: ServiceID, SchedDate: SchedDate
            },
            cache: false,
            success: function(result) {
                $("#EmployeeName").html(result);
            }
        });
    });
});

```

```

});

$(document).ready(function() {
    $('#EmployeeName').on('change', function() {
        var Employee = this.value;
        var ServiceID = $('#Service').val();
        var SchedDate = "<?php echo $DateID?>";
        $.ajax({
            url: "get_time.php",
            type: "POST",
            data: {
                ServiceID: ServiceID, Employee: Employee, SchedDate: SchedDate
            },
            cache: false,
            success: function(result) {
                $("#Schedule").html(result);
            }
        });
    });
});

$(document).ready(function() {
    $('#Service').on('change', function() {
        var ServiceID = this.value;
        $.ajax({
            url: "get_timeslot.php",
            type: "POST",
            data: {
                ServiceID: ServiceID
            },
            cache: false,
            success: function(result) {
                $("#Slots").html(result);
            }
        });
    });
});

var selects = $('select').change(function() {
    $('option').prop('disabled', false);
}

```

```

        selects.each(function() {
            var value = $(this).val();
            if (value) {
                selects.not(this).find('option[value="' + value + '"]').prop('disabled', true);
            }
        });
    });
</script>

<!-- <script src="https://ajax.googleapis.com/ajax/libs/jquery/2.1.1/jquery.min.js"></script>
<script>
$(".select option").each(function() {
$(this).siblings('[value="'+ this.value +'"]').remove();
});
</script> -->

</body>

</html>

```

### *C\_reviewdetails.php*

```

<?php
    require_once("connection.php");
    include "clientauth.php";
    extract($_POST);
    extract($_GET);

    if (isset($_POST['deleteID']) && isset($_POST['deleteDetail']))
    {
        delete1appdetail($_POST['deleteID']);
        unset($_POST);
        editschedstatusy($Schedule, $Slots);
    };

    $appdetailInfo = seeappdetails($AppID);
    extract($appdetailInfo);

    $seeprice = seetotalprice($AppID);
    extract($seeprice);

```

```

$appointmentInfo;
$appointmentInfo = get1appointment($AppID);
extract($appointmentInfo[0]);

$ClientU = $_SESSION['CIUsername'];

if(isset($_POST['submitbtn']))
{
    appstatusconfirm($AppID, $ClientU);
    allappdstatusconfirm($AppID, $ClientU);
};

if(isset($_POST['cancelbtn']))
{
    appstatuscancel($AppID, $ClientU);
    allappdstatuscancel($AppID, $ClientU);
};

?>

<!DOCTYPE html>
<html lang="en">

<head>
<meta charset="utf-8">
<meta content="width=device-width, initial-scale=1.0" name="viewport">

<title>Appointment Details</title>
<meta content="" name="description">
<meta content="" name="keywords">

<?php include 'links.php' ?>

</head>

<body>

<!-- ===== Header ===== -->
<?php include 'c_header.php' ?>

```

```

<!-- ===== Content ===== -->
<section id="information" class="information">

<div class="container mt-5">

<div class="section-title">
    <h3 style ="font-family: 'Poppins', sans-serif; font-weight: 700;"> Appointment <span
    style="color: #ffb03b;"> Booking</span></h3>
</div>

<div class="section-title">
    <span style="color: #ffb03b;"> Choose a Date </span> <br>
    <span style="color: #ffb03b;"> Fill in the Details </span>
    <h3 style ="font-family: 'Poppins', sans-serif; font-weight: 600; font-size: 20px; color:
#433f39"> Review Appointment Details </h3>
</div>

<div class="info-wrap">

Date:  <?php echo $DateID ?>

<br><br>

<div class="row">
<?php foreach ($appdetailInfo as $key)
{
    <form method="POST" action="c_reviewdetails.php?AppID=<?php echo $key['AppID'];
?>" id="deletedetail<?php echo $key['AppDID']; ?>">
        <input type="hidden" name="Slots" value="<?php echo $key['TimeSlot']; ?>">
        <input type="hidden" name="Schedule" value="<?php echo $key['ScheduleID']; ?>">
        <input type="hidden" name="deleteID" value="<?php echo $key['AppDID']; ?>">
    </form>

    <div class="col-md-3">
        Time: <?php echo $key['STime']; ?> <br>
    </div>
    <div class="col-md-3">
        <?php echo $key['STypeName']; ?> <br>
    </div>

```

```

<div class="col-md-3">
    <?php echo $key['ServiceName']; ?> <br>
</div>
<div class="col-md-2">
    <?php echo $key['ServicePrice']; ?>
</div>

<div class="col-md-1">
    <button class="btn btn-danger btn-sm" form="deletedetail<?php echo $key['AppDID']; ?>" onclick="return delconf(<?php echo $key['AppDID'] ?>)"
        name="deleteDetail"><i class="bi bi-trash"></i></button>
</div>

<div class="col-md-3">
    Stylist: <?php echo $key['EmployeeName']; ?>
</div>
<div class="col-md-8">
    <i>Note: <?php echo $key['Note']; ?></i>
</div>

<br><br>

<?php
}
?>

<div class="col-md-6">
<a href="c_appdetails_info.php?AppID=<?php echo $key['AppID']; ?>">
Add Services</a>
</div>

<div class="col-md-3 text-end">
<b> TOTAL: &nbsp PHP </b>
</div>

<div class="text-start col-md-3" style="text-align:center;">
<?php foreach ($seeprice as $key)
{
?>
<b>
<?php

```

```

echo $key['SPrice'];
    }
?>
</b>
</div>

</div>
</div>
<div>
<br><br>
</div>

<div class="row">

<div class="col-md-10 text-end">
    <button class="btn btn-secondary" name="cancelbtn" value="submit" onclick="return
cancelconf()">
        Cancel </button>
    </div>
    <div class="col-md-2 text-start">
        <form method="POST">
            <button class="btn btn-warning" name="submitbtn" value="submit">
                Confirm Booking </button>
            </form>
        </div>
    </div>
</div>

</div>
</section>

<div>
<br><br><br><br><br><br><br><br><br>
</div>
<!-- ===== Footer ===== -->
<?php include 'footer.php' ?>

```

```

<!-- Vendor and Template JS Files -->
<?php include 'jsfiles.php' ?>

<script type="text/javascript">
function delconf(detailDel)
{
var conf= confirm("Are you sure you want to delete this?");
return conf;
}

function cancelconf(bookcancelConf)
{
var conf= confirm("Are you sure you want to cancel booking?");
return conf;
}
</script>

</body>

</html>

```

*c\_viewappointments.php*

```

<?php
    require_once("connection.php");
    include "clientauth.php";
    extract($_POST);
    extract($_GET);

$ClientU = $_SESSION['CIUsername'];

$clientapp = seeclientapp($ClientU);
extract($clientapp);

if(isset($_POST['cancelappbtn']) && isset($_POST['checksched']))
{
    allappdstatuscancel($AppID, $ClientU);
    appstatuscancel($AppID, $ClientU);

$schedlist = $_POST['checksched'];

```

```

$slotlist = $_POST['checkslot'];

$mainlist = array_combine($schedlist, $slotlist);

foreach($mainlist as $Schedule=>$Slots)
{
    editschedstatusy($Schedule, $Slots);
}

header('Location: \'' . c_viewappointments.php?CIUsername=%27' . $ClientU.'%27');
};

if(isset($_POST['cancelappdbtn']))
{
    appdstatuscancel($AppDID, $ClientU);
    editschedstatusy($Schedule, $Slots);

    header('Location: \'' . c_viewappointments.php?CIUsername=%27' . $ClientU.'%27');
};

?>

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="utf-8">
    <meta content="width=device-width, initial-scale=1.0" name="viewport">

    <title>Appointment Details</title>
    <meta content="" name="description">
    <meta content="" name="keywords">

    <?php include 'links.php' ?>

</head>

<body>

<!-- ===== Header ===== -->

```

```

<?php include 'c_header.php' ?>

<!-- ===== Content ===== -->
<section id="information" class="information">

<div class="container mt-5">

<div class="section-title">
<h3 style ="font-family: 'Poppins', sans-serif; font-weight: 700;"> YOUR <span style="color: #ffb03b;"> APPOINTMENTS</span></h3>

</div>

<div>
<?php
if(count($clientapp)>0)
{
foreach ($clientapp as $key)
{
    ?>
<div class="row">
    <div class="col-md-3">
        <b> Date: <?php echo $key['DateID']; ?> </b>
    </div>
    <?php $total= $key['AppTotal']; ?>
    <div class="col-md-9 text-end">
        <b> Appointment ID: <?php echo $key['AppID']; ?> </b>
    </div>
    <div class="col-md-12">
        <b> Time: </b>
    </div>
    </div>
    <?php $date = $key['DateID'];
        $query = ("SELECT a.AppID, a.AppDID, f.DateID, a.ScheduleID, e.StartTime,
TIME_FORMAT(e.StartTime, '%H:%i') AS `STime`, a.EmployeeID,
CONCAT(d.EmployeeFName, ',',d.EmployeeLName) AS EmployeeName,
a.STypeID, b.STypeName, a.ServiceID, c.ServiceName, c.ServicePrice, a.Note,
c.TimeSlot
        FROM `tbl_appointmentdetails` a
        INNER JOIN `tbl_servicetype`b
        ON a.STypeID=b.STypeID
    
```

```

    INNER JOIN `tbl_services`c
    ON a.ServiceID=c.ServiceID
    INNER JOIN `tbl_employee`d
    ON a.EmployeeID=d.EmployeeID
    INNER JOIN `view_freesched`e
    ON a.ScheduleID=e.SchedID
    INNER JOIN `tbl_appointment`f
    ON a.AppID=f.AppID
    WHERE f.DateID=\"$date' AND a.Status='Confirmed';");

$result = mysqli_query($connection, $query);
foreach ($result as $key)

{
    ?>

<div class="row">
<div class="col-md-1 text-end">
    <?php echo $key['STime']; ?> <br>
</div>

<div class="col-md-3">
    <?php echo $key['STypeName']; ?> <br>
</div>

<div class="col-md-5">
    <?php echo $key['ServiceName']; ?> <br>
</div>

<div class="col-md-2">
    <?php echo $key['ServicePrice']; ?>
</div>

<div class="col-md-1 text-center">
<form action="" method="POST" id="cancelappd<?= $key['AppDID']; ?>">

    <input type="hidden" name="AppDID" value="<?= $key['AppDID']; ?>">
    <input type="hidden" name="Slots" value="<?php echo $key['TimeSlot']; ?>">
    <input type="hidden" name="Schedule" value="<?php echo $key['ScheduleID']; ?>">
    <input type="hidden" name="AppID" value="<?php echo $key['AppID']; ?>">

```

```

<input type="checkbox" style="display:none;" name="checkslot[]" value="<?php echo
$key['TimeSlot']; ?>" checked>
    <input type="checkbox" style="display:none;" name="checksched[]" value="<?php
echo $key['ScheduleID']; ?>" checked>

    <button class="btn btn-outline-secondary btn-sm" name="cancelappdbtn"
value="submit"
        onclick="return cancelconf()">
        Cancel </button>
    </div>

<div class="col-md-1">

</div>
<div class="col-md-3">
    Stylist: <?php echo $key['EmployeeName']; ?>
</div>
<div class="col-md-8">
    <i>Note: <?php echo $key['Note']; ?></i>
</div>

</div>
<br>

<?php
} ?>

<div class="row">
<div class="col-md-9 text-end">
    <b> Total: PHP </b>
</div>
<div class="col-md-1">
    <b> <?php echo $total; ?> </b>
</div>

<div class="col-md-2 text-end">

<button class="btn btn-outline-secondary btn-sm" name="cancelappbtn" value="submit"

```

```

    onclick="return cancelallconf()">
        Cancel Appointment </button>
    </form>
</div>

</div>

<br><br>
<?php
}
}
else
{?>
<div class="section-title">
    <br>
<h5 style ="font-family: 'Poppins', sans-serif; font-weight: 300;">
    You currently don't have any appointments with us. <br>
    Book one now and be the most fabulous you!</h5>
    <br>
    <a href="c_appointment_info.php" class="book-a-table-btn">Book an Appointment</a>
</div>

<?php
}

?>

</div>
<div>
<br><br>
</div>

</div>
</div>
<div>
<br><br>
</div>

```

```
</div>
</section>

<div>
<br><br><br><br><br><br><br>
<br><br><br><br><br><br><br>
</div>
<!-- ===== Footer ===== -->
<?php include 'footer.php' ?>

<!-- Vendor and Template JS Files -->
<?php include 'jsfiles.php' ?>

<script type="text/javascript">
function cancelconf(bookcancelConf)
{
var conf= confirm("Are you sure you want to cancel?");
return conf;
}

function cancelallconf(bookcancelallConf)
{
var conf= confirm("Are you sure you want to cancel entire appointment?");
return conf;
}
</script>

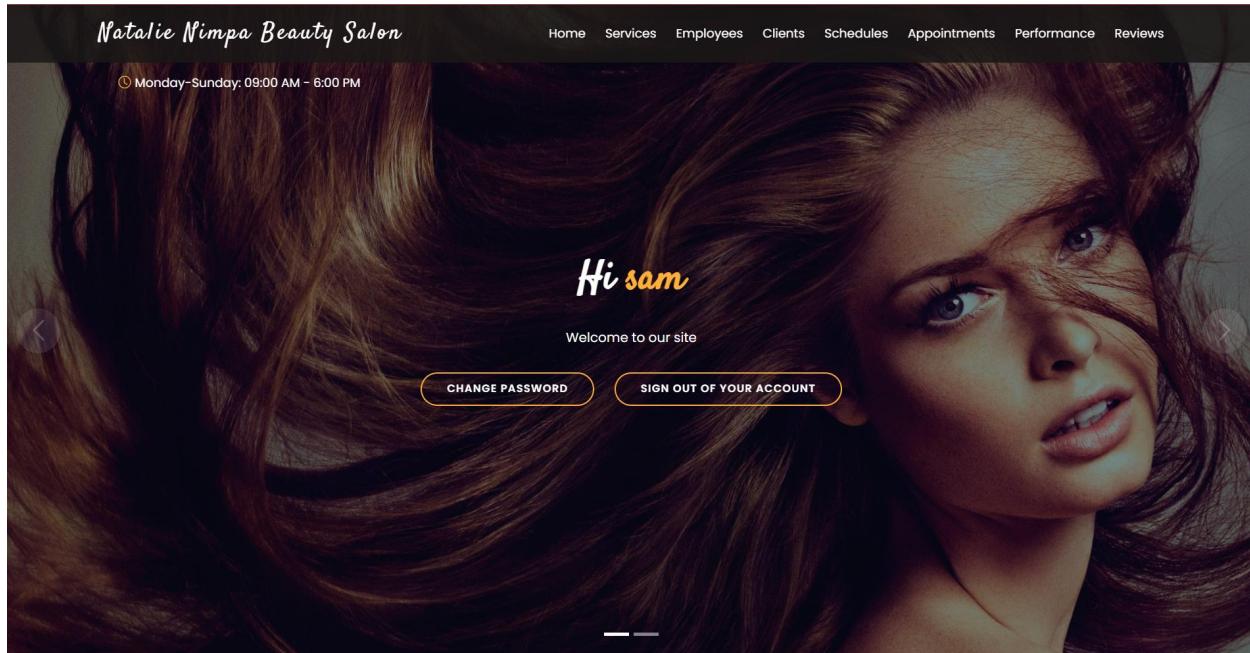
</body>

</html>
```

## Appendix B. Users' Guide

*Admin*

### 1. Admin Home Page

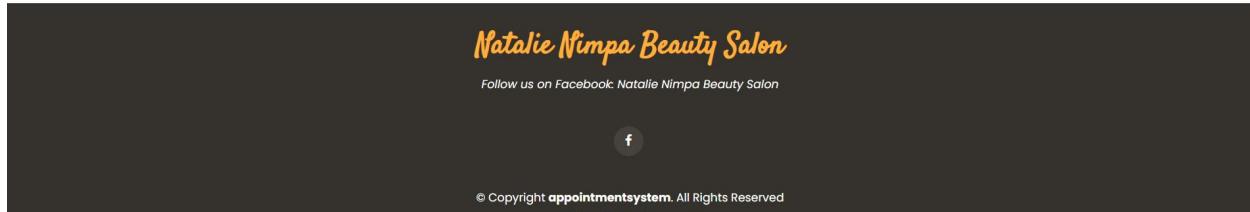


### 2. Services Page Where Admin can add , edit, and delete salon services

ID	Name	Type	Description	Price	Duration	Available	Action
2	Shampoo Blowdry	Hair Cut	-	180.00	01:00:00	Yes	
3	Set and Blowdry	Hair Cut	-	300.00	01:00:00	Yes	
4	Hair and Make Up	Hair Cut	-	600.00	02:00:00	Yes	
5	Loreal Hair Spa Detox	Hair and Scalp Treatments	-	1400.00	01:30:00	Yes	
6	Loreal Color Lock Treatment	Hair and Scalp Treatments	-	1250.00	02:00:00	Yes	
7	Loreal Damage Repair Treatment	Hair and Scalp Treatments	-	1250.00	01:30:00	Yes	
8	Loreal Pro-Keratine Treatment	Hair and Scalp Treatments	-	1250.00	01:30:00	Yes	
9	Organic Treatment	Hair and Scalp Treatments	Morocco	400.00	01:30:00	Yes	
10	Shwarzkopf	Gloss Treatment	No Ammonia	1250.00	01:00:00	Yes	
11	Loreal	Gloss Treatment	No Ammonia	1250.00	01:00:00	Yes	
12	iCure	Brazilian Blowout	-	1500.00	03:30:00	Yes	
13	... (truncated)	... (truncated)	... (truncated)	... (truncated)	... (truncated)	... (truncated)	

## SERVICE INFORMATION

Service Name Shampoo Blowdry	Service Type Hair Cut	Price 180.00
Description -	Duration 01:00:00	Available Yes
<input type="button" value="Save"/> <input type="button" value="Cancel"/>		



## 3. Employees Page Where Admin can add , edit, and delete salon employees.

## OUR EMPLOYEES

[+ Add Employee](#)

ID	First Name	Last Name	Position	Contact No.	Username	Password	Action
1	Renee	Faburada	Receptionist	+63 9216775633	renée	b7874b54027af0d426cf2fc5df78d556	
2	Christine	Sabanal	Hairstylist	+63 9123456789	tine	98631435976107f65c7250f80dc291bf	
3	Samantha	Libo-on	Make Up Artist	+63 9123456784	sammie	ae5714ac45e72729ab6c4685f3af07a0	
4	Leslie	Abellana	Hairstylist	+63 9863456783	leslie	25	
5	Mitch	Ege	Nail Technician	+63 9129856783	mitch	4a6564d4a89a651ea80e4bafe390570f	
6	Mel	Sarita	Assistant	+63 9123456716	mel	e84ec9ed9f5982bbbb6d252448b60d5f	
12	Gabrielle	Flores	Hair Stylist	+63 639913219283	gab	8806c91d77adc92cfac74f121224077c	

## EMPLOYEE INFORMATION

First Name Gabrielle	Last Name Flores
Position Hair Stylist	Contact No. 639913219283
Username gab	Password *****
<input type="button" value="Save"/> <input type="button" value="Cancel"/>	



## 4. Clients Page Where Admin can add , edit, and delete salon Clients information

## OUR CLIENTS

OUR CLIENTS						
<a href="#">+ Add Client</a>						
ID	First Name	Last Name	Contact No.	Username	Password	Action
9	Renee	Faburada	+63 9216775633	r	4b43b0aee35624cd95b910189b3dc231	
13	Melisa	Sarita	+63 91234569	Mel	cb1471754e9419c3b912728ff21244e1	
16	Charisse	Sabanal	+63 9123456789	tine	827ccb0eea8a706c4c34a16891f84e7b	
17	Jeard	Abellana	+63 9455705808	jleslie	8e296a067a37563370ded05f5a3bf3ec	
18	Sam	Libo-on	+63 9913213684	sam	56fafaf8964024efa410773781a5f9e93	
19	Pia	Ang	+63 9455705845	pia	32adf050226995bf231l42lebe0698e0	
20	Marie	Atiras	+63 9754449254	Marie	\$2y\$10\$3biR.Vq2T8qR8PK3l9TaCO 95Ls0UbO87g9awEwZeLh	
63	Kristel	Kate	+63 9216775633	kate	kate	
64	Kristel	Kate	+63 9216775633	katie	8a52072ceef5d17cc7bf85d6ca431ffa	
68	Marissa	Del	+63 9981234569	Mar	7ce6b2286a5396e614b8484105d277e0	
85	Ren	Ren	+63 9234567	renrenren	8633f3b992f5edaa4daea3798266e477	

## 5. Employee Schedule

Natalie Nimpia Beauty Salon

Home Services Employees Clients Schedules Appointments Performance Reviews

### SAM'S SCHEDULE

Date 30/05/2022 Go

ALL Renee Christine Samantha Leslie Mitch Mel

Start Time	End Time	Note
09:00:00	09:30:00	
09:30:00	10:00:00	
10:00:00	10:30:00	
10:30:00	11:00:00	
11:00:00	11:30:00	
11:30:00	12:00:00	
12:00:00	12:30:00	
12:30:00	13:00:00	

## 6. Salon Appointments

Natalie Nimpia Beauty Salon

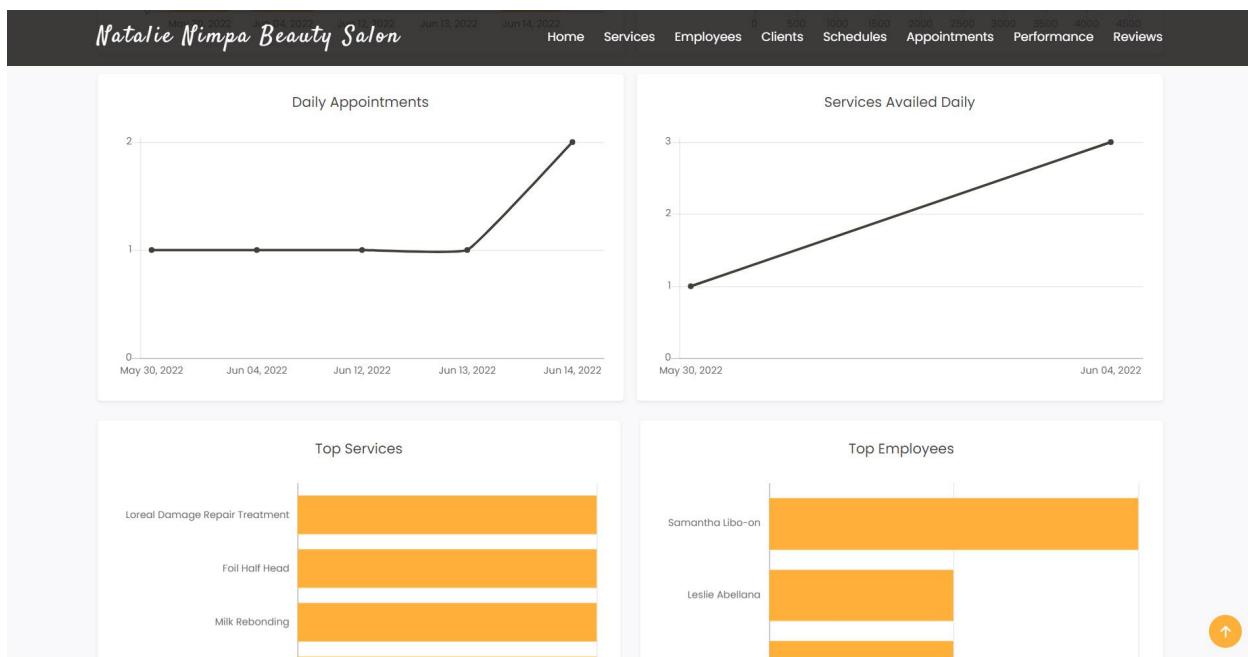
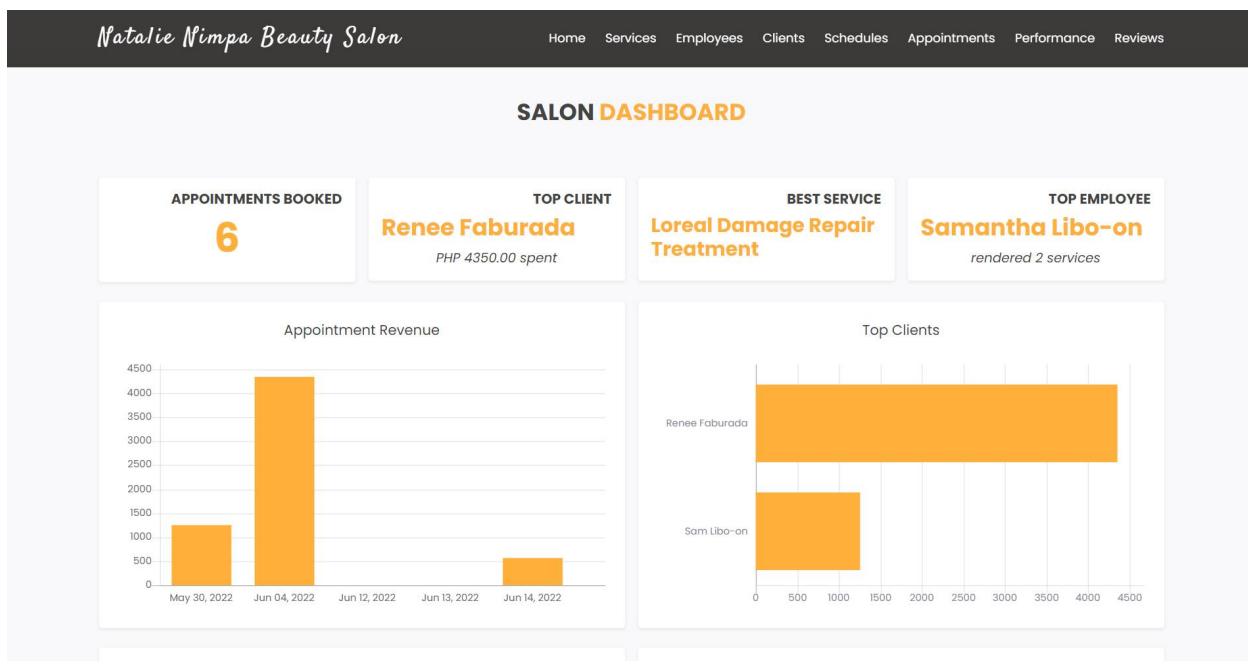
Home Services Employees Clients Schedules Appointments Performance Reviews

### ALL APPOINTMENTS

Process Appointments

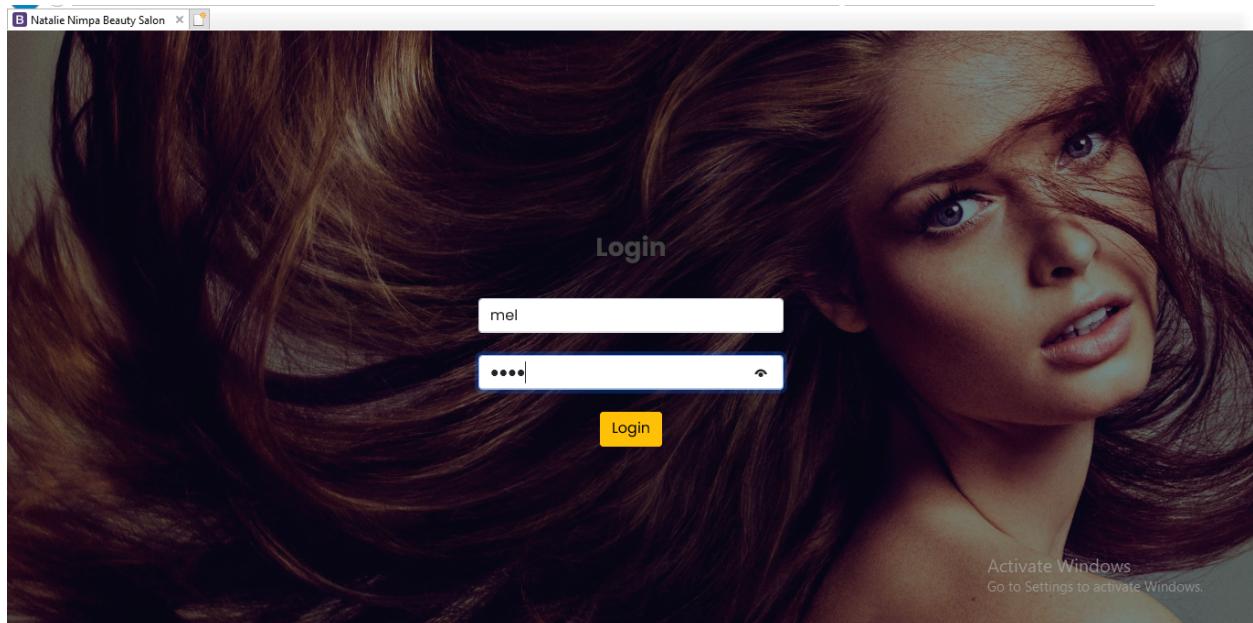
Client: Sam Libo-on Date: 2022-05-30 Time:				
10:30	Straightening and Waves Stylist: Samantha Libo-on	Loreal Damage Repair Treatment Note:	1250.00	Fulfilled
<b>Total: PHP 1250.00</b>				
Client: Renee Faburada Date: 2022-06-01 Time:				
12:00	Hair Cut Stylist: Samantha Libo-on	Hair and Make Up Note:	600.00	No Show
<b>Total: PHP 600.00</b>				
Client: Renee Faburada Date: 2022-06-04 Time:				
14:30	Brazilian Blowout Stylist: Samantha Libo-on	iCure Note:	1500.00	Fulfilled

## 7. Admin Salon Dashboard

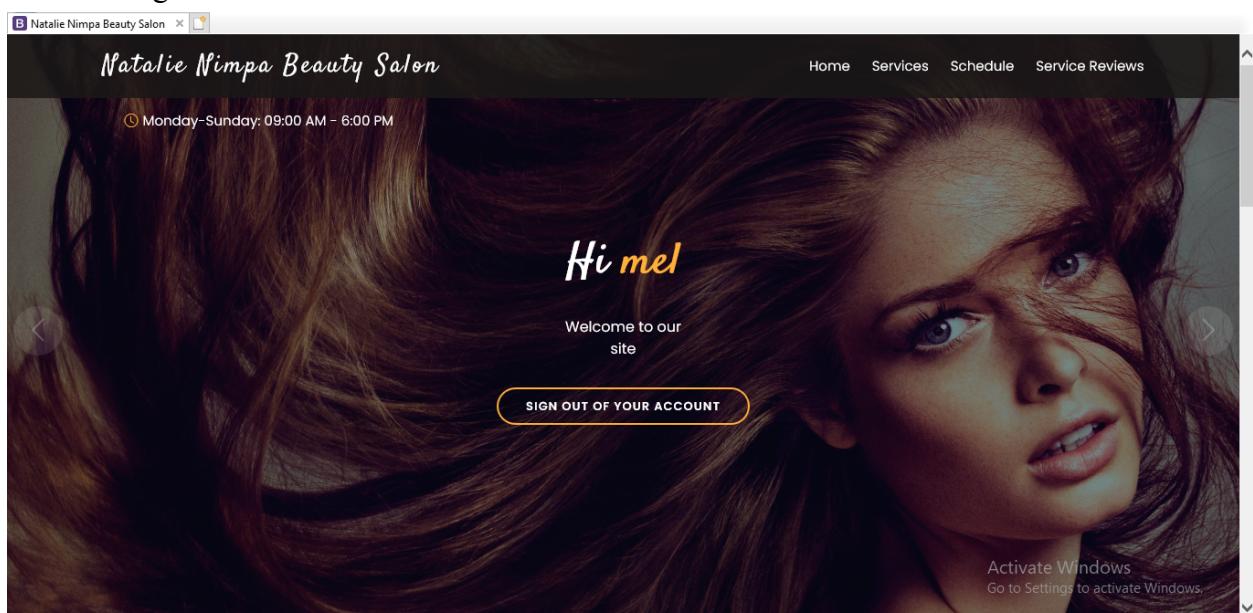


## *Employee*

### 1. Log in to Account



### 2. Home Page



Natalie Nimpa Beauty Salon

[Home](#) [Services](#) [Schedule](#) [Service Reviews](#)

About Us

Natalie Nimpa Beauty Salon, owned and managed by Ms. Natalie May Flores, is a place locals come to experience affordable and exceptional service and personal care from a team of highly trained artists.

It is located in Perpetual Road, Dumaguete City, five minutes away from the bustling Downtown. Their services include:

- ✓ Hair Cut
- ✓ Color
- ✓ Hair and Scalp Treatments
- ✓ Gloss Treatment.
- ✓ Brazilian Blowout
- ✓ Highlights
- ✓ Straightening and Waves
- ✓ Nail Care
- ✓ Treading
- ✓ Organic Waxing

Activate Windows  
Go to Settings to activate Windows.

Natalie Nimpa Beauty Salon

[Home](#) [Services](#) [Schedule](#) [Service Reviews](#)

✓ Organic Waxing

Natalie Nimpa Beauty Salon, located in the heart of Dumaguete City, has already been offering cut, color, and styling services to beauty enthusiasts for the past (BLANK) years. They specialize in Gloss Treatment that could have you looking and feeling your best for any occasion. It is a cozy salon where customers may unwind and be pampered. Book your appointments now!

Contact Us

Telephone Number: 422-8128

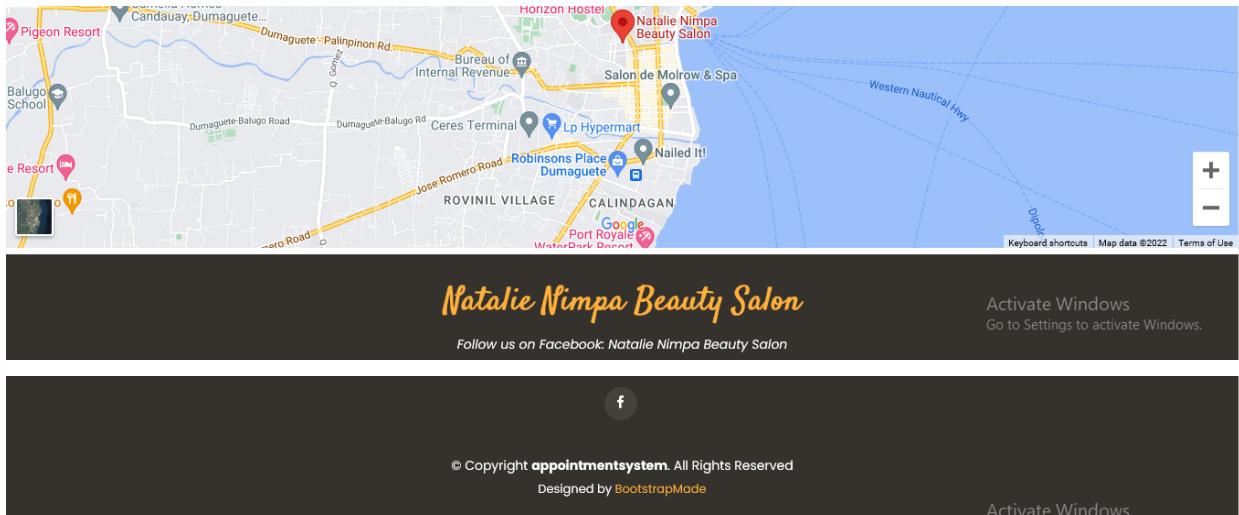
Mobile Number: 09173142162

You are using a browser that is not supported by the Google Maps JavaScript API. Please consider changing your browser. [Learn more](#) [Dismiss](#)

Natalie Nimpa Beauty Salon  
8863+8P3, Dumaguete, Negros Oriental  
4.8 ★★★★☆  
[View larger map](#)

Directions

Activate Windows  
Go to Settings to activate Windows.



### 3. Services Page

**Natalie Nimpa Beauty Salon**

Home Services Schedule Service Reviews

#### OUR SERVICES

Show All Hair Cut Hair and Scalp Treatments Color Gloss Treatment Brazilian Blowout Highlights  
Straightening and Waves Nail Care Threading Organic Waxing

Shampoo Blowdry - 0100	180.00	Set and Blowdry - 0100	300.00
Hair and Make Up - 0200	600.00	Loreal Hair Spa Detox - 0130	1400.00
Loreal Color Lock Treatment - 0200	1250.00	Loreal Damage Repair Treatment - 0130	1250.00
Loreal Pro-Keratine Treatment - 0130	1250.00	Organic Treatment Morocco 0130	400.00
Shwarzkopf No Ammonia 0100	1250.00	Loreal No Ammonia 0100	1250.00

Activate Windows...  
Go to Settings to activate Windows.

#### 4. Employee Schedule

The screenshot shows a web-based employee scheduling system for Natalie Nimpia Beauty Salon. At the top, there's a header bar with a 'My Schedule' button, a close button, and the salon's name 'Natalie Nimpia Beauty Salon'. Below the header, a navigation menu includes 'Home', 'Services', 'Schedule', and 'Service Reviews'. The main area is titled 'YOUR SCHEDULE' and features a date selector set to '2022-06-14' with a yellow 'Go' button. A table lists scheduled times from 09:00:00 to 18:00:00. An orange box highlights a specific appointment at 12:00:00 for 'Kate Kristel' with the note 'Set and Blowdry Confirmed'. A watermark for Windows activation is visible on the right.

Start Time	End Time	Note
09:00:00	09:30:00	
09:30:00	10:00:00	
10:00:00	10:30:00	
10:30:00	11:00:00	
11:00:00	11:30:00	
11:30:00	12:00:00	
12:00:00	12:30:00	<b>Kate Kristel</b> Set and Blowdry Confirmed
12:30:00	13:00:00	
13:00:00	13:30:00	
13:30:00	14:00:00	
14:00:00	14:30:00	
14:30:00	15:00:00	
15:00:00	15:30:00	
15:30:00	16:00:00	
16:00:00	16:30:00	
16:30:00	17:00:00	
17:00:00	17:30:00	
17:30:00	18:00:00	

## 5. Services Review

The screenshot shows a mobile application interface for reviewing services. At the top, there is a header bar with a back arrow and the text "Services Review". Below the header, there are two tabs: "HOME" and "Back". The main content area is titled "Services Rating". It lists several services with their names, average ratings, review counts, and prices:

- Shampoo Blowdry**: ★★★★☆ 4 Reviews, ₦180
- Set and Blowdry**: ★★★★☆ 3 Reviews, ₦300
- Hair and Make Up**: ★★★★★ 1 Reviews, ₦600
- Loreal Hair Spa Detox**: ★★★★★ 1 Reviews, ₦1400
- Loreal Color Lock Treatment**: ★★★★★ 0 Reviews, ₦1250
- Loreal Damage Repair Treatment**: ★★★★★ 1 Reviews

On the right side of the screen, there is a vertical scroll bar. In the bottom right corner, there is a promotional message: "Activate Windows Go to Settings to activate Windows."

The screenshot shows a mobile application interface for reviewing a specific service. At the top, there is a header bar with a back arrow and the text "Services". Below the header, there are two tabs: "HOME" and "Back". The main content area is titled "Services". It shows a service entry for "Shampoo Blowdry" with its details:

**Shampoo Blowdry**  
★★★★☆ 4 Reviews, ₦180

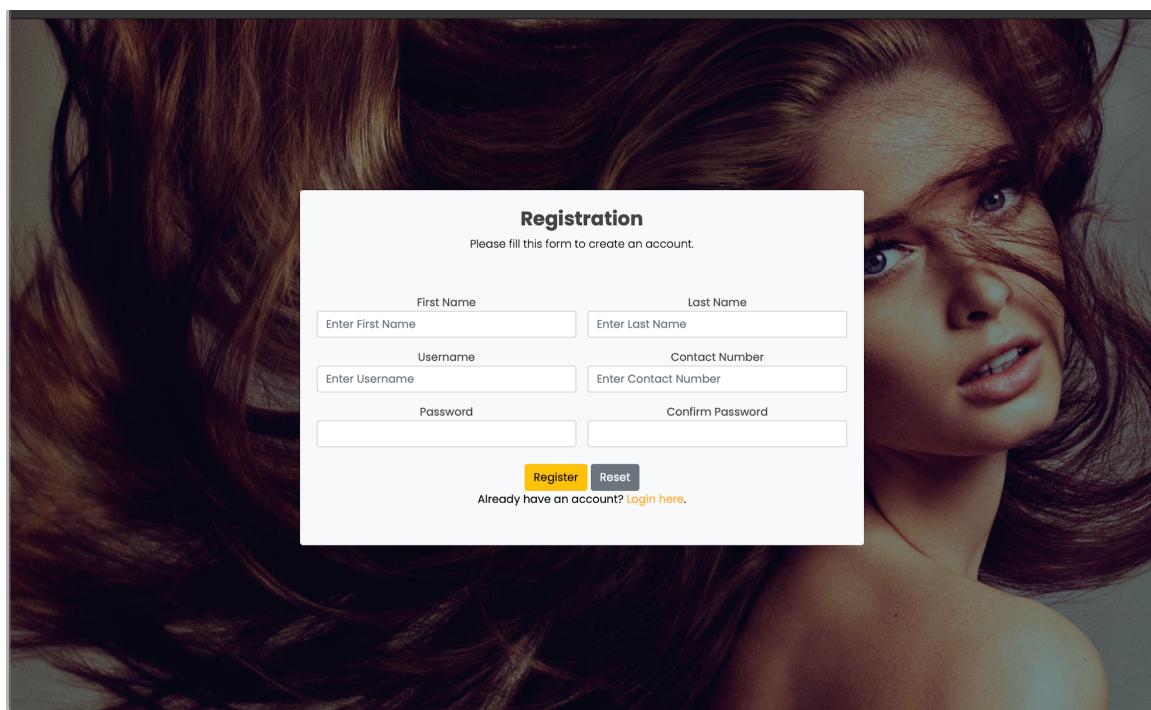
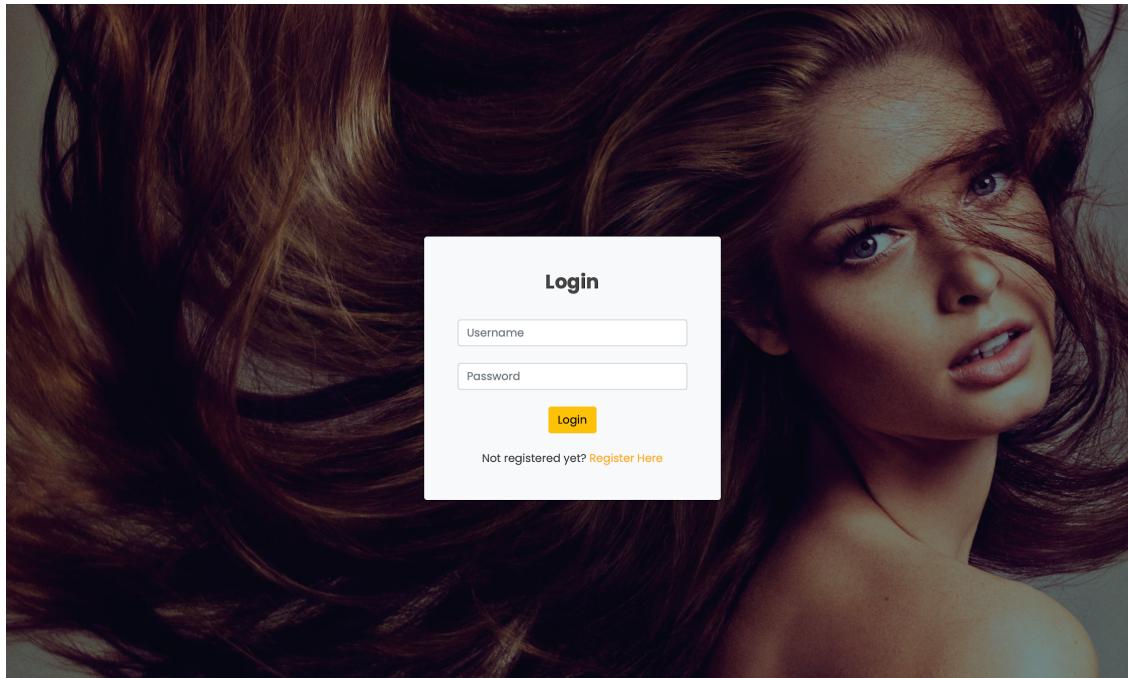
Below this, there is a section titled "REVIEWS" with the text "4 Reviews". It displays three review entries:

- M** By Mel Jun 03, 2022  
**Amazing Service!**  
Will definitely come again
- L** Verified Buyer By Lee Jan 20, 2019  
**Nice product**  
this is nice!
- D** Verified Buyer Jan 20, 2019  
**Good idea**

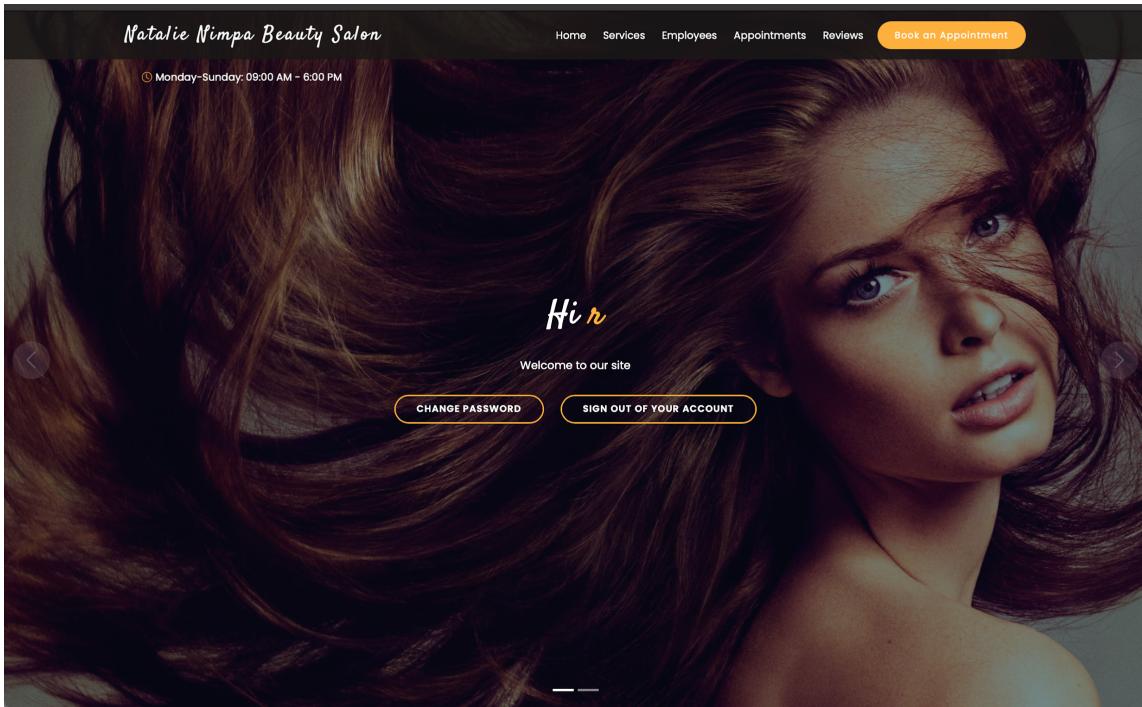
On the right side of the screen, there is a vertical scroll bar. In the bottom right corner, there is a promotional message: "Activate Windows Go to Settings to activate Windows."

*Client*

1. Client's Log in and RegistrationPage



## 2. Home Page



**Natalie Nimpia Beauty Salon**

Home Services Employees Appointments Reviews Book an Appointment

### About Us

Natalie Nimpia Beauty Salon, owned and managed by Ms. Natalie May Flores, is a place locals come to experience affordable and exceptional service and personal care from a team of highly trained artists.

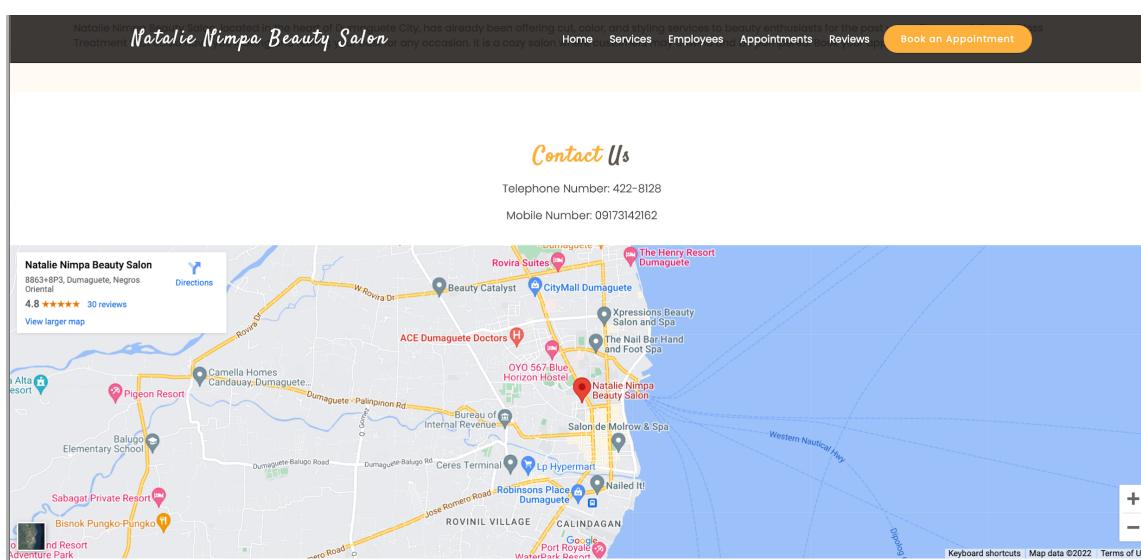
It is located in Perpetual Road, Dumaguete City, five minutes away from the bustling Downtown. Their services include:

- ✓ Hair Cut
- ✓ Color
- ✓ Hair and Scalp Treatments
- ✓ Gloss Treatment.
- ✓ Brazilian Blowout
- ✓ Highlights
- ✓ Straightening and Waves
- ✓ Nail Care
- ✓ Treading
- ✓ Organic Waxing

Natalie Nimpia Beauty Salon, located in the heart of Dumaguete City, has already been offering cut, color, and styling services to beauty enthusiasts for the past years. They specialize in Gloss Treatment that could have you looking and feeling your best for any occasion. It is a cozy salon where customers may unwind and be pampered. Book your appointments now!

### Contact Us

Telephone Number: 422-8128  
Mobile Number: 09173142162



**Natalie Nimpia Beauty Salon**  
8863+8P3, Dumaguete, Negros Oriental  
4.8 ★★★★ 30 reviews  
View larger map

**Contact Us**  
Telephone Number: 422-8128  
Mobile Number: 09173142162

Follow us on Facebook: Natalie Nimpia Beauty Salon

### 3. Salon Services Details Page with services filtering feature

Natalie Nimpia Beauty Salon

Home Services Employees Appointments Reviews Book an Appointment

## OUR SERVICES

Show All Hair Cut Hair and Scalp Treatments Color Gloss Treatment Brazilian Blowout Highlights Straightening and Waves  
Nail Care Threading Organic Waxing

<b>Shampoo Blowdry</b> - 01:00	180.00	<b>Set and Blowdry</b> - 01:00	300.00
<b>Hair and Make Up</b> - 02:00	600.00	<b>Loreal Hair Spa Detox</b> - 01:30	1400.00
<b>Loreal Color Lock Treatment</b> - 02:00	1250.00	<b>Loreal Damage Repair Treatment</b> - 01:30	1250.00
<b>Loreal Pro-Keratine Treatment</b> - 01:30	1250.00	<b>Organic Treatment</b> Morocco 01:30	400.00
<b>Shwarzkopf</b> No Ammonia 01:00	1250.00	<b>Loreal</b> No Ammonia 01:00	1250.00
<b>iCure</b> - 03:30	1500.00	<b>Japanese Complex</b> - 01:30	2000.00
<b>Foil Half Head</b> - 01:30	850.00	<b>Full Head</b> - 01:00	1200.00
<b>Milk Rebonding</b> Schwarzkopf 02:00	2000.00	<b>Steam Bond</b> Loreal 01:00	0.00
<b>Manicure</b> - 02:30	110.00	<b>Pedicure</b> - 02:30	130.00
<b>Foot Scrub</b>	250.00	<b>Foot Scrub with Pedicure</b>	360.00

localhost

Natalie Nimpia Beauty Salon

Home Services Employees Appointments Reviews Book an Appointment

## OUR SERVICES

Show All Hair Cut Hair and Scalp Treatments Color Gloss Treatment Brazilian Blowout Highlights Straightening and Waves  
Nail Care Threading Organic Waxing

<b>Loreal Hair Spa Detox</b> - 01:30	1400.00	<b>Loreal Color Lock Treatment</b> - 02:00	1250.00
<b>Loreal Damage Repair Treatment</b> - 01:30	1250.00	<b>Loreal Pro-Keratine Treatment</b> - 01:30	1250.00
<b>Organic Treatment</b> Morocco 01:30	400.00		

Natalie Nimpia Beauty Salon  
Follow us on Facebook: Natalie Nimpia Beauty Salon

#### 4. Salon employees page

**OUR EMPLOYEES**

Here at Natalie Nimpa Beauty Salon, we assure you that our team is dedicated in making you look and feel your best.

Renee Faburada

Receptionist

**Skills:**  
Organic Waxing • Nail Care

Christine Sabanal

Hairstylist

**Skills:**  
Gloss Treatment • Nail Care • Straightening and Waves

Samantha Libo-on

Make Up Artist

**Skills:**  
Hair Cut • Brazilian Blowout • Color

Leslie Abellana

Hairstylist

**Skills:**  
Highlights • Hair and Scalp Treatments

Mitch Ege

Nail Technician

**Skills:**  
Nail Care • Threading • Highlights

Mel Sarita

Assistant

**Skills:**  
Hair Cut • Color

**5. Client's Appointments****YOUR APPOINTMENTS****Date: 2022-06-13****Time:**

15:00	Hair Cut Stylist: Mel Sarita	Hair and Make Up Note:	600.00	<a href="#">Cancel</a>
14:00	Hair Cut Stylist: Mel Sarita	Set and Blowdry Note: none	300.00	<a href="#">Cancel</a>

**Total: PHP 600.00**[Cancel Appointment](#)**Date: 2022-06-15****Time:**

09:30	Hair Cut Stylist: Mel Sarita	Set and Blowdry Note:	300.00	<a href="#">Cancel</a>
09:00	Hair Cut Stylist: Mel Sarita	Hair and Make Up Note: Hello	600.00	<a href="#">Cancel</a>
13:00	Hair Cut Stylist: Mel Sarita	Hair and Make Up Note:	600.00	<a href="#">Cancel</a>
11:00	Nail Care Stylist: Renee Faburada	Pedicure Note:	130.00	<a href="#">Cancel</a>
13:30	Nail Care Stylist: Renee Faburada	Manicure Note:	110.00	<a href="#">Cancel</a>

**Total: PHP 130.00**[Cancel Appointment](#)

## 6. Booking an Appointment

The screenshot shows a website for "Natalie Nimpa Beauty Salon". The top navigation bar includes links for Home, Services, Employees, Appointments, Reviews, and a prominent orange "Book an Appointment" button. The main content area features a heading "YOUR APPOINTMENTS" with a message stating "You currently don't have any appointments with us. Book one now and be the most fabulous you!" and another "Book an Appointment" button. Below this, there's a social media link "Follow us on Facebook: Natalie Nimpa Beauty Salon". The second part of the screenshot shows a "Appointment Booking" page with a "Choose a Date" section containing a date input field with "06/17/2022" and a yellow "Next" button. The bottom of the page has a dark footer bar with the salon's name.

## Appointment Booking

Choose a Date  
Fill in the Details

[Review Appointment Details](#)

Date: 2022-06-17

Select Service Category

Select Service

Select Stylist

Select Time

You may leave a note for your stylist here.

[Add to Appointment](#)

Schedule	Stylist	Service	Price	
09:00	Christine Sabanal	Pedicure	130.00	
	* none			
09:30	Mel Sarita	Shampoo Blowdry	180.00	

\* I have sensitive skin.

TOTAL: PHP 310.00

[Review Appointment Details →](#)

## Appointment Booking

Choose a Date  
Fill in the Details

[Review Appointment Details](#)

Date: 2022-06-17

Time: 09:00

Stylist: Christine Sabanal

Nail Care

Note: none

Pedicure

130.00



Time: 09:30

Stylist: Mel Sarita

Hair Cut

Note: I have sensitive skin.

Shampoo Blowdry

180.00

[Add Services](#)

TOTAL: PHP 310.00

[Cancel](#)[Confirm Booking](#)

YOUR APPOINTMENTS

Date: 2022-06-17

Time:

09:00	Nail Care Stylist: Christine Sabanal	Pedicure Note: none	130.00	<input type="button" value="Cancel"/>
09:30	Hair Cut Stylist: Mel Sarita	Shampoo Blowdry Note: I have sensitive skin.	180.00	<input type="button" value="Cancel"/>

Total: PHP 310.00

## 7. Review Salon Services

HOME Back

### Service Review

**Shampoo Blowdry**  
★★★★★ 4 Reviews  
₱180

**Set and Blowdry**  
★★★★★ 3 Reviews  
₱300

**Hair and Make Up**  
★★★★★ 1 Reviews  
₱600

**Loreal Hair Spa Detox**  
★★★★★ 1 Reviews  
₱1400

**Loreal Color Lock Treatment**  
★★★★★ 0 Reviews  
₱1250

**Loreal Damage Repair Treatment**  
★★★★★ 1 Reviews  
₱1250

**Loreal Pro-Keratine Treatment**  
★★★★★ 0 Reviews  
₱1250

**Organic Treatment**  
★★★★★ 0 Reviews  
₱400

**Morocco**  
★★★★★ 0 Reviews  
₱1250

**Shwarzkopf**  
★★★★★ 0 Reviews  
₱1250

HOME Back

### Service Details

**Shampoo Blowdry**  
★★★★★ 4 Reviews  
₱180

[Rate This Product](#)

---

**Rate this service**  
★★★★★

Title

Review

Name  
 Username

Email  
 Email

[Post](#) [Cancel](#)

---

**REVIEWS**  
4 Reviews

---

By Mel  ★★★★★ Jun 03, 2022  
Amazing Service!

[HOME](#) [Back](#)

## Service Details

### Shampoo Blowdry

★★★★★ 4 Reviews

₱180

[Rate This Product](#)

#### Rate this service



Title

Awesome

Review

I had the best service ever!



Name

reneekristelkate

Email

katereneekristel@gmail.com



[Post](#) [Cancel](#)

#### REVIEWS

4 Reviews



★★★★★

Jun 03, 2022

Amazing Service!

## **Appendix C. Other Relevant Documents**

March 14, 2022

### **MRS. NATALIE MAY FLORES**

Natalie Nimpa Beauty Salon Dumaguete City

Dear Mrs. Flores,

Warmest greetings from the Silliman University-BSBA Business Analytics Program!

We are a group of students taking up the course BA-AN 34P Thesis/Capstone. In this course, we are tasked to come up with a business analytics project and we are interested in providing salons such as yours with a website where your clients can book appointments. It will consist of basic information such as the services, prices, and accommodation. Our group would like to partner up with your business as we believe you can provide us with the necessary data. Rest assured that we will not be asking any financial assistance from you as this will only serve as a testing ground for our capstone.

We would like to propose helping you create an appointment system for your salon. This is to reduce the hassle of waiting in line and coming back multiple times which may result in your business losing potential clients. With this system, clients will be provided with information regarding the types of services your salon offers which will include their respective prices and even the duration of a certain service session. By having this type of information, we should be able to provide alert notifications for the next clients to come in. This will be useful especially during your peak seasons like graduations.

Your support will extend so much to the success of this project. Looking forward to your kind and timely response. Should you acknowledge this humble letter, feel free to contact us through email for further discussions regarding the said project via Google Meet or Zoom at this address: christinedsabanal@su.edu.ph.

Thank you very much and have a good day!

Sincerely,



Jeard Leslie G. Abellana  
Sarita



Christine Angelgrace D. Sabanal



Melisa Cesah Marie P.



Renee Kristel Kate B. Faburada



Samantha Gabrielle M. Libo-on



Mitch M. Ege

Noted by:



**Asst. Prof. Larry Vincent Regencia**  
Program Coordinator  
Business Analytics Program

## **Appendix D. Curriculum Vitae**

### **Jeard Leslie G. Abellana**

Hacienda Dos Hermanos, Talisay City, Negros Occidental  
jeardgabellana@su.edu.ph  
09225705808

### **EDUCATION**

**Silliman University** Dumaguete City  
Bachelor of Science in Business Administration May 2023  
Major in Business Analytics

Related Coursework: Database Management Systems; Data Warehousing; Analytics; Enterprise Resource Planning; Financial, Project, and Strategic Management; Programming

**University of St. La Salle - Liceo De La Salle** Bacolod City  
Senior High School March 2018  
With Honors

**University of St. La Salle – Integrated School** Bacolod City  
Junior High School March 2016  
With Honors

**St. Theresita's Academy** Silay City  
Grade School March 2012  
With Honors

### **SKILLS**

**Languages:** English, Hiligaynon, Cebuano, Filipino

**Software:** PyCharm, Visual Studio Code, Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Pages, Numbers

**Programming:** SQL, HTML, Python, PHP, JavaScript

**Interpersonal Skills:** Strong Work Ethics, Flexible, Good Organizational Skills, Dedicated

**Interests:** Reading, Stock Exchange, Agri – Business, Traveling

## **AWARDS & ACTIVITIES**

<b>College of Business Administration Class Honor</b> Silliman University	Dumaguete City 2019 – 2022
<b>West Visayan Circle - Public Relations Officer</b> Silliman University	Dumaguete City 2020 – 2021
<b>Asia World Model United Nations</b> Delegate	Bangkok, Thailand 2019
<b>International Learning and Cultural Visit</b> Participant	Hong Kong 2019
<b>University of St. La Salle – Head of the Outreach Department</b> Student Council	Bacolod City 2018 – 2019

## **Appendix E. Curriculum Vitae**

**Mitch M. Ege**  
Purok Malinawon, Camanjac  
Dumaguete City 6200  
mitchmege@su.edu.ph  
+63 917 335 5278

### **EDUCATION**

**Silliman University** Dumaguete City  
Bachelor of Science in Business Administration May 2023  
Major in Business Analytics

Related Coursework: Database Management Systems; Data Warehousing; Analytics; Programming; Financial Markets; Enterprise Resource Planning

**Negros Oriental Senior High School** Dumaguete City  
Senior High School April 2018  
With Honors

**Negros Oriental Junior High School** Dumaguete City  
Junior High School April 2016

**Camanjac Elementary School** Dumaguete City  
Elementary April 2012  
1st Honorable Mention

### **SKILLS**

**Languages:** English, Cebuano, Filipino

**Software:** PyCharm, Visual Studio Code, Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Jupyter Notebook

**Programming:** SQL, HTML, Python, PHP, Javascript

**Interpersonal Skills:** Flexibility, Written and Verbal Communication, Willingness to Learn

**Interests:** Watching Movies, Baking, Cooking

## **AWARDS & ACTIVITIES**

**College of Business Administration COMELEC**

Silliman University

Member

Dumaguete City

2019-2021

**Business Analytics Students' Society**

Silliman University

3rd year representative

Dumaguete City

2021-2022

**Business Analytics Students' Society**

Silliman University

PRO

Dumaguete City

2018-2019

## **Appendix F. Curriculum Vitae**

### **Renee Kristel Kate B. Faburada**

E. Buling Street, Balugo, Dumaguete City, Negros Oriental 6200  
reneebfaburada@su.edu.ph  
+63 921 677 5633

### **EDUCATION**

#### **Silliman University**

Dumaguete City  
Bachelor of Science in Business Administration  
May 2023  
Major in Business Analytics

Related Coursework: Database Management Systems; Data Warehousing; Analytics; Enterprise Resource Planning; Financial, Project, and Strategic Management; Programming

#### **Saint Louis School of Don Bosco, Inc.**

Dumaguete City  
Senior High School March  
2018  
With High Honors

#### **Saint Louis School of Don Bosco, Inc.**

Dumaguete City  
Junior High School March  
2016  
2nd in Excellence

#### **West City Science Elementary School**

Dumaguete City  
Elementary  
March 2012

### **EXPERIENCE**

#### **Silliman University Library**

Dumaguete City  
Student Library Assistant  
2019

- Worked at the Circulation and Filipiniana sections, lending and receiving library-owned materials
- Assisted students, staff, and visitors, referring them to appropriate resources
- Identified valuable articles and prepared clippings from newspapers for circulation
- Distributed resources to the different departments in the university
- Ensured the cleanliness and organization in the library
- Maintained the physical quality of books and other library resources
- Answered incoming phone calls

## SKILLS

**Languages:** English, Cebuano, Filipino

**Software:** PyCharm, Visual Studio Code, Mac OS, Windows OS, Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Pages, Numbers, Keynote, Krita

**Programming:** SQL, HTML, CSS, Python, PHP, JavaScript

**Interpersonal Skills:** Attention to Detail, Verbal and Written Communication, Time Management, Adaptability, Having Initiative, Organizing, Quick Learning, Perceptiveness

**Interests:** Digital Art, Graphic Design, Reading

## AWARDS & ACTIVITIES

### College of Business Administration College Honor

Dumaguete City

Silliman University

2022

### College of Business Administration COMELEC

Dumaguete City

Silliman University

2022

Member

### Business Analytics Students' Society

Dumaguete City

Silliman University

2021-2022

Auditor

### Bosconian Leap (Student Publication)

Dumaguete City

Saint Louis School of Don Bosco, Inc.  
2016-2018  
Editor-in-Chief (English)

**Bosconian Year Book**  
Dumaguete City  
Saint Louis School of Don Bosco, Inc.  
2016-2018  
Editor-in-Chief

**National Schools Press Conference**  
Pagadian City  
Participant, English News Writing  
2017

**Regional Schools Press Conference**  
Bacolod City  
3rd Place, English News Writing  
2017

**Division Schools Press Conference**  
Dumaguete City  
2nd Place, English News Writing  
2017

**Journalism Award in English**  
Dumaguete City  
Saint Louis School of Don Bosco, Inc.  
2016  
English News Writing

## **GRANTS & SCHOLARSHIPS**

**Honor Scholarship Grant**  
Dumaguete City  
Silliman University  
2018-2022  
College of Business Administration

## **Appendix G. Curriculum Vitae**

**Samantha Gabrielle M. Libo-on**  
1903167 Candau-ay, Dumaguete City, Negros Oriental 6200  
Samanthamlibo-on@su.edu.ph  
+63 991 321 3684

### **EDUCATION**

<b>Silliman University</b>	Dumaguete City
Bachelor of Science in Business Administration	May
2023	
Major in Business Analytics	

Related Coursework: Database Management Systems; Data Warehousing; Analytics; Programming

<b>Silliman University High School</b>	Dumaguete City
High School	March 2015

<b>Silliman University Elementary School</b>	Dumaguete
City	
Elementary	March 2011

### **SKILLS**

**Languages:** English, Cebuano, Filipino

**Software:** Windows OS, PyCharm, Visual Studio Code, DEV-C++, Microsoft Word, Microsoft Excel, Microsoft PowerPoint,

**Programming:** SQL, HTML, Python, PHP, C Programming

**Interpersonal Skills:** Verbal and Written Communication, Adaptability, Willingness to Learn

**Interests:** Cooking, Social Gaming, Dance

### **AWARDS & ACTIVITIES**

<b>College of Business Administration COMELEC</b>	Dumaguete City
Silliman University	2021
Chairperson	

<b>Business Analytics Students' Society</b>	Dumaguete
City	

Silliman University  
President

2021

**Business Analytics Students' Society**

City  
Silliman University  
2019-2020  
Vice President - External

Dumaguete

**Dramatics Club (Student Drama Club)**

City  
Silliman University High School  
2014-2015  
President

Dumaguete

**Dramatics Club (Student Drama Club)**

Dumaguete City  
Silliman University High School  
2012-2015  
Member

## **Appendix H. Curriculum Vitae**

**Christine Angelgrace D. Sabanal**  
Block 12 Lot 6, Silliman Heights Subdivision, Junob,  
Dumaguete City 6200  
[chrisitnedsabanal@su.edu.ph](mailto:chrisitnedsabanal@su.edu.ph)  
+63 906 868 4331

### **EDUCATION**

<b>Silliman University</b>	Dumaguete City
Bachelor of Science in Business Administration	May 2023
Major in Business Analytics	
Related Coursework: Database Management Systems; Data Warehousing; Analytics; Programming; Financial Markets; Enterprise Resource Planning	
<b>Silliman University Senior High School</b>	Dumaguete City
Senior High School	March
2018	
<b>Silliman University Junior High School</b>	Dumaguete City
Junior High School	March
2016	
<b>Silliman University Elementary School</b>	Dumaguete City
Elementary	March 2012

### **EXPERIENCE**

<b>Silliman University Registrar (Summer Term)</b>	Dumaguete City
Student Assistant	May 2017
Assisted in the enrollment in different departments such as the Elementary Department and Senior High School.	
Arranged and organized students' records in the office.	
Did the errands requested by the chair of the office.	

**Silliman University Senior High School (Summer Term)**  
Student Assistant

Dumaguete City  
May 2018

- Assisted in the enrollment of Senior High School.
- Helped out the staff in sorting out students' files and records.

## SKILLS

**Languages:** English, Cebuano, Filipino

**Software:** PyCharm, Visual Studio Code, Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Jupyter Notebook

**Programming:** SQL, HTML, Python, PHP, Javascript

**Interpersonal Skills:** Verbal and Written Communication, Works well with others, Willingness to Learn, Flexibility

**Interests:** Reading, Watching Shows and Movies, Baking

## AWARDS & ACTIVITIES

**College of Business Administration COMELEC**  
Silliman University  
Member

Dumaguete City  
2019-2021

**Business Analytics Students' Society**  
Silliman University  
PRO

Dumaguete City  
2021-2022

**Business Analytics Students' Society**  
Silliman University  
Auditor

Dumaguete City  
2018-2019

## **Appendix I. Curriculum Vitae**

**Melisa Cesah Marie P. Sarita**  
Amigo Subdivision, Piapi, Dumaguete City, Philippines  
melisapsarita@su.edu.ph  
Contact Number: +63 9754449254

### **EDUCATION**

Related Coursework: Database Management Systems; Data Warehousing; Analytics; Programming; Financial Markets; Enterprise Resource Planning

<b>Silliman University Senior High School</b> Senior High School	Dumaguete City March 2019
<b>Piapi High School</b> Junior High School	Dumaguete City March 2017
<b>North City Elementary School</b> (Grade 3-6) Elementary	Dumaguete City March 2012
<b>Batinguel Elementary School</b> (Kinder - Grade 2) Elementary	Dumaguete City N/A

### **SKILLS**

**Languages:** English, Cebuano, Filipino

**Software:** PyCharm, Visual Studio Code, Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Jupyter Notebook

**Programming:** SQL, HTML, Python, PHP, Javascript

**Interpersonal Skills:** Verbal and Written Communication, Works well with others, Willingness to Learn, Flexibility

### **AWARDS & ACTIVITIES**

<b>With Class Honors</b> (Grade 10) Piapi High School	Dumaguete City 2016-2017
<b>With Class Honors</b> (BSBA-Business Analytics)	Dumaguete City

Silliman University	2019-2020
<b>With Class Honors</b> (BSBA-Business Analytics) Silliman University	Dumaguete City 2021-2022
<b>College of Business Administration COMELEC</b> Silliman University Member	Dumaguete City 2019-2021
<b>College of Business Administration Secretariat Committee</b> Silliman University Member	Dumaguete City 2019-2020
<b>Business Analytics Students' Society</b> Silliman University President	Dumaguete City 2021-2022