



Project Name: Image Consultant (Smart Beauty Salon management system)

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This project has been submitted to meet the requirements for the Bachelor of Science in Software Engineering degree.

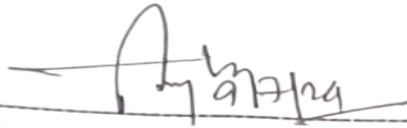
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APPROVAL

This thesis titled on “Image Consultant (Smart Beauty Salon Management System)”, submitted by Nawrin Rownok Toma (ID: 171-35-1896) to the Department of Software Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of Bachelor of Science in Software Engineering and approval as to its style and contents.

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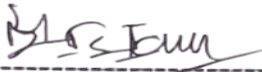
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DECLARATION

I hereby affirm that the project titled "Image Consultant and Smart Beauty Salon Management System" has been developed solely by me under the guidance of Md. Rajib Mia, Lecturer in the Department of Software Engineering at Daffodil International University, with the aim of fulfilling the requirements for the Bachelor of Science degree from Daffodil International University. I declare that neither this project nor any portion of it has been utilized or presented elsewhere for any academic degree or accolades.

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I sincerely thank God for His blessings and guidance, which have helped us successfully complete and submit our final year project.

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I appreciate my fellow classmates at Daffodil International University for their active engagement and thoughtful discussions throughout our coursework.

Finally, I extend my deepest appreciation to my parents for their unwavering support and patience throughout this academic journey.

ABSTRACT

The Image Consultant is a comprehensive software solution designed to streamline and enhance the operational efficiency of beauty salons. This system addresses the challenges faced by salon owners and managers in managing appointments, staff, services, payments, and customer information. By transitioning from manual, paper-based processes to a digital platform, the system eliminates data redundancy, reduces Administrative overhead, and improves overall salon management.

Key features of the Image Consultant include staff registration and management, customer registration and database maintenance, appointment handling with an intuitive event calendar, salon service management with pricing and duration details, seamless customer payment processing, automated invoice generation, and robust reporting capabilities to support managerial decision-making.

The system also includes an information center or dashboard for quick access to important metrics and insights, along with a reminder system to notify clients and staff about upcoming appointments and events via email.

Overall, the Image Consultant aims to modernize salon operations, enhance customer and staff satisfaction, optimize resource utilization, and contribute to the growth and success of beauty businesses in today's competitive market.

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CHAPTER 1

INTRODUCTION

1.1 Project Summary

Image Consultant: Simple, flexible, and powerful booking software for your salon business. Easy Salon Software is a web-based management tool designed specifically for salons and spas, aimed at making business operations more efficient and effective. Covering all aspects of salon and spa management, Easy Salon is user-friendly and cost-effective, allowing clients to book appointments and make upfront payments via your website. With features such as inquiry follow-ups, appointment scheduling, billing, inventory management, and more, Easy Salon Software empowers you to increase sales and streamline business operations.

In today's booming salon/spa/beauty parlor industry, owning such a business presents ample opportunities to serve customers and generate revenue. However, amidst stiff competition, it's crucial to differentiate yourself by offering seamless experiences, quality services, and continuous engagement. To meet customer expectations, effective appointment scheduling, customer, and employee management are essential.

Our salon management system offers unparalleled ease of use and Point of Sale (POS) features to elevate your business management. By providing a seamless experience for your clients, you not only meet their expectations but also enhance opportunities for growth.

1.2 Objectives of the Project

- Remove paper-based processes from the salon, including recording appointment details in diaries and generating invoices manually for customer payments.
- Reduce data redundancy by centralizing appointment details, eliminating the need for multiple records in various formats (diaries, mobile devices, etc.) by different Interested Parties (owner, employees, customers).
- Minimize wastage of time, resources, efforts, and money for all Interested Parties involved (employer, employees, customers).
- Improve the efficiency and effectiveness of salon operations, including customer and employee management, appointment scheduling, and payment processing.
- Facilitate management and decision-making processes, thereby enhancing the salon's reputation.
- Improve client satisfaction and employee satisfaction by providing a more streamlined and efficient booking and payment process.
- Foster better integration among Interested Parties involved in salon operations.

This project aims to modernize salon management practices, reduce inefficiencies, and ultimately enhance the overall experience for both customers and employees.

1.3 Scope of the Project

- Registering salon staff and maintaining their details efficiently.
- Registering regular customers and maintaining their information accurately.
- Facilitating appointment handling for both staff and customers.
- Offering an intuitive event calendar to track appointments, staff leave, and holidays.
- Overseeing salon services, including their pricing, duration, and other pertinent details.
- Offering convenient customer payment handling options.
- Generating invoices seamlessly through the system for payment transactions.
- Generating comprehensive reports to assist in higher managerial decision-making.
- Maintaining an informative and accessible information center or dashboard.
- Implementing a reminder system that sends notifications via email for upcoming appointments or important events.

1.3 Benefits & Beneficiaries

Benefits

- **Streamlined Operations:** The system automates and streamlines various salon operations, reducing manual effort and enhancing efficiency.
- **Improved Appointment Management:** Efficient appointment handling and scheduling lead to reduced wait times for customers and better utilization of staff resources.
- **Enhanced Customer Experience:** With features like online booking, automated reminders, and personalized services, the system improves overall customer satisfaction and loyalty.
- **Better Staff Management:** Staff registration, scheduling, and performance tracking features contribute to improved staff productivity and job satisfaction.
- **Accurate Reporting:** The system generates detailed reports on appointments, services, payments, and more, providing valuable insights for informed decision-making and business growth.
- **Cost Savings:** By reducing paperwork, minimizing errors, and optimizing resource allocation, the system helps in cost savings for the salon.
- **Increased Revenue:** Efficient management of appointments, services, and payments results in increased revenue generation opportunities for the salon.
- **Accessible Information:** The system provides a centralized database for customer and staff information, accessible anytime and anywhere, improving data accessibility and security.
- **Time Savings:** Automation of tasks such as invoicing, reporting, and appointment reminders saves time for salon staff, allowing them to focus on delivering quality services.

- Scalability: The system is scalable to accommodate the growth of the salon business, making it suitable for small, medium, and large-scale operations.

Beneficiaries

- Salon Owners: Experience improved business management, increased revenue, and better decision-making capabilities.
- Salon Staff: Benefit from streamlined workflows, reduced Administrative tasks, and enhanced job satisfaction.
- Customers: Enjoy a seamless booking experience, personalized services, reduced wait times, and improved overall salon experience.
- Management: Gain access to comprehensive data insights, reports, and analytics for strategic planning and business growth.
- Interested Parties: Including investors, partners, and suppliers, benefit from improved operational efficiency and financial performance of the salon.

1.4 Goals

Goals for the Beauty Salon Management System:

- Automation: Implement automated processes for appointment scheduling, billing, and reporting to reduce manual errors and streamline salon operations.
- Efficiency: Improve overall operational efficiency by optimizing resource utilization, reducing wait times, and enhancing staff productivity.
- Customer Experience: Enhance the customer experience by offering online booking options, personalized services, timely reminders, and seamless payment processing.
- Data Management: Establish a centralized database for customer and staff information, appointments, services, and financial transactions to ensure data accuracy, security, and accessibility.
- Reporting and Analytics: Develop robust reporting and analytics capabilities to generate insights into salon performance, customer preferences, and revenue trends for informed decision-making.
- Scalability: Design the system to be scalable to accommodate the growth of the salon business, supporting increased customer base, service offerings, and staff expansion.
- Cost Optimization: Implement cost-effective solutions to minimize Administrative costs, reduce paper usage, and maximize ROI for the salon.
- Compliance: Ensure compliance with industry standards, regulations, and data protection laws to safeguard customer privacy and maintain trust.
- Staff Management: Provide tools for staff registration, scheduling, performance tracking, and training to improve staff management and retention.

- Integration: Enable seamless integration with other salon tools and systems such as inventory management, marketing platforms, and accounting software to create a cohesive salon management ecosystem.

1.4.1 Gantt Chart

It provides a visual representation of scheduled overtime tasks, efficiently displaying the work planned for completion on a specific day.

Activity		WK	WK	WK	WK	WK	WK	WK	WK	WK	WK	WK	WK	WK	WK	WK
Planning	Ideas															
	Problem Definition															
	Proposal planning															
Requirements	Requirement Specification															
	Requirement Analysis															
QA-1	Quality Assurance															
System Design	Design Specification															
	Interface Design															
	Database Design															
Development	Development System modules															
	Integrate System modules															
QA-1	Test Cases															
Testing	Unit Testing															
	Black Box Testing															
Resolve Issue	Resolve Issues Found															
Release	Software Release															

Figure 1.4.1: Gantt Chart

1.4.2 Project Schedule

The project schedule is detailed below:

Task	Date
Topic Selection Seminar	
Brainstorming Project Topic & Name Selection	
Submit Project Proposal	
Requirement Specification	
Mid Term Defense	
System Analysis & Design	
Development System	
System Testing	
Complete Project	

Table 1.4.2 Project Timeline

CHAPTER 2

SOFTWARE SPECIFICATIONS DOCUMENTATION

Section 2.1: Functional Specifications: Administrator

2.1.1. User Authentication and Authorization

- Administrator login with secure credentials.
- Role-based access control for Administrator functions.

2.1.2. Dashboard

- Overview of salon activities, upcoming appointments, and daily revenue.
- Graphical representation of key metrics.

2.1.3. Customer Management

- Add, update, and delete customer profiles.
- View customer history, including past appointments and services availed.

2.1.4. Appointment Management

- Schedule, update, and cancel appointments.
- View daily, weekly, and monthly appointment calendars.
- Automated notifications for upcoming appointments (via email/SMS).

2.1.5. Service Management

- Add, update, and remove salon services.
- Define service details including duration, price, and staff specialization.

2.1.6. Staff Management

- Add, update, and delete staff profiles.
- Assign staff to specific services and manage their schedules.

2.1.7. Inventory Management

- Track inventory of salon products and supplies.
- Automated alerts for low stock levels.
- Generate purchase orders for suppliers.

2.1.8. Billing and Invoicing

- Generate and print invoices for services provided.
- Manage payment methods and record transactions.
- Offer discounts, promotions, and loyalty programs.

2.1.9. Reports and Analytics

- Generate financial reports (daily, weekly, monthly, annual).
- Track sales, customer visits, and staff performance.
- Export reports in various formats (PDF, Excel).

2.1.10. System Settings

- Manage salon details (name, address, contact information).
- Configure business hours and holiday schedules.
- Set up automated notifications and reminders.

2.1.11. Feedback Management

- Collect and review customer feedback and ratings.
- Address customer complaints and suggestions.

2.1.12. Security and Backup

- Implement data encryption and secure data storage.
- Regular data backups and recovery options.

Section 2.2: Functional Requirement: Customer

2.2.1. User Authentication and Registration

- Customer registration with email verification.
- Secure login for existing customers.

2.2.2. Profile Management

- Update personal details (name, contact information, preferences).
- View history of past appointments and services.

2.2.3. Service Browsing

- Browse and search for available salon services.
- View service details including descriptions, prices, and duration.

2.2.4. Appointment Booking

- Real-time availability check for services and staff.
- Book, reschedule, or cancel appointments.
- Receive confirmation and reminder notifications (via email/SMS).

2.2.5. Online Payment

- Multiple payment options (credit/debit card, digital wallets).
- Secure online transaction processing.
- View payment history and download invoices.

2.2.6. Feedback and Reviews

- Provide ratings and feedback for services received.
- View responses to feedback from the salon management.

2.2.7. Promotions and Offers

- View and redeem available promotions, discounts, and loyalty rewards.
- Receive notifications for new offers and special events.

2.2.8. Customer Support

- Access to help and support resources (FAQs, contact information).
- Submit queries and track the status of support requests.

2.2.9. Notifications and Alerts

- Receive personalized notifications for upcoming appointments and special promotions.
- Option to set preferences for notification channels (email, SMS, app notifications).

2.2.10. Service History and Recommendations

- View a history of services availed.
- Receive personalized service recommendations based on past visits and preferences.

2.2.11. Data Privacy and Security

- Assurance of data privacy in compliance with relevant regulations.
- Options to manage data sharing preferences.

2.3 Performance Specifications

System dependability involves several crucial aspects, including reliability, protection, security, and availability. While reliability is a primary concern, it is important to consider all these factors to ensure the system's overall dependability. Below are descriptions of each aspect:

- **Reliability:** This refers to the ability of the system to consistently perform its intended functions accurately and predictably over time. A reliable system should minimize downtime, errors, and disruptions, ensuring that users can rely on it for critical operations without unexpected failures.
- **Protection:** This aspect involves safeguarding the system and its data from unauthorized access, alterations, or damage. It includes implementing measures such as access controls, encryption, data backups, and disaster recovery plans to protect sensitive information and maintain system integrity.
- **System dependability involves several crucial aspects, including reliability, protection, security, and availability. While reliability is a primary concern, it is important to consider all these factors to ensure the system's overall dependability. Below are descriptions of each aspect:**the system against a wide range of threats, including cyberattacks, malware, phishing, and social engineering. A secure system incorporates robust cybersecurity measures, regular audits, vulnerability assessments, and security policies to mitigate risks and ensure data confidentiality, integrity, and availability.
- **Availability:** Availability refers to the accessibility and uptime of the system when needed by users. It involves designing the system architecture with redundancy, failover mechanisms, load balancing, and proactive monitoring to minimize downtime and ensure continuous operation even during peak usage or unexpected events.

By addressing these specifications, a dependable system can provide users with a seamless and secure experience, maintain data integrity, and uphold the trust and reliability of the overall system.

2.4 Dependability Specifications

Dependability is evaluated across four essential dimensions: Availability, Reliability, Safety, and Security. It is vital for our system to address these dimensions to ensure its overall dependability and trustworthiness.

2.4.1 Reliability and Availability

Reliability refers to the probability that a system will operate without encountering failures.

DR-01	The system must be operational 24/7.
Description	The system maintains continuous availability, remain updated, and be free from malware at all times.
Interested Parties	Not Applicable

2.4.2 Fault-Tolerance Specifications

To ensure fault tolerance for users, it is essential to prevent system crashes and consistently provide accurate results.

DR-02	The system should operate all user accounts seamlessly without system errors.
Description	It should also allow multiple users to access the system simultaneously and handle requests without encountering errors.
Interested Parties	Not applicable

2.4.3 Safety Critical Specifications

My project does not include any safety-critical specifications.

2.5 Maintainability and Supportability Specifications

Providing after-support or service to end users is highly important.

2.5.1 Maintenance Specifications

MS-01	The system allows for creating and deleting schedules.
Description	It is highly significant.
Interested Parties	Administrator

2.5.2 Supportability Specifications

Supportability Specifications encompass several dimensions, including:

- Maintainability
- Configurability
- Compatibility
- Serviceability

These dimensions are essential for ensuring the system's overall supportability and operational effectiveness.

2.5.3 Adaptability Specifications

My project does not include any adaptability specifications.

2.6 Security Specifications

Security specifications are crucial for system solutions, especially concerning functional requirements. Software security aims to safeguard the application system. Below are some key security-related specifications:

- Ability to sign in as an Administrator, Customer.
- Access control based on the logged-in user's role
- Ability to sign out as an Administrator, Customer.

These Specifications are essential for maintaining the security and integrity of the system, ensuring that users can only access functionalities appropriate to their roles.

2.6.1 Access Specifications

Access Specifications are not part of project.

2.6.2 Integrity Specifications

My project does not include integrity specifications.

2.6.3 Privacy Specifications

Ensuring privacy is crucial in every system. To maintain privacy, each user will authenticate their information when accessing the system and utilize their assigned Accessibility options.

2.7 Usability and Human Integrity Specifications

The main objective in developing any system solution is to make it user-friendly and readily accessible for users.

2.7.1 Ease of Use Specifications

Our solution is straightforward and easy to understand.

EUH-01	The system must be user-friendly and easy to navigate.
Description	This solution is user-friendly and simplifies system management.
Interested Parties	Customer, Administrator

2.7.2 Understandability Specifications

In my project, clear and easily understandable specifications are emphasized.

2.7.3 Accessibility Specifications

Accessibility Specifications are not part of my project scope.

2.7.4 User Documentation Specifications

User documentation specifications are not part of the scope of my project.

2.7.5 Training Specifications

Training Specifications are not necessary for my project.

CHAPTER 3

SYSTEM ANALYSIS & DESIGN

3.1 Use Case Diagram

Our use case diagram identifies three actors, offering a detailed refinement of the project.

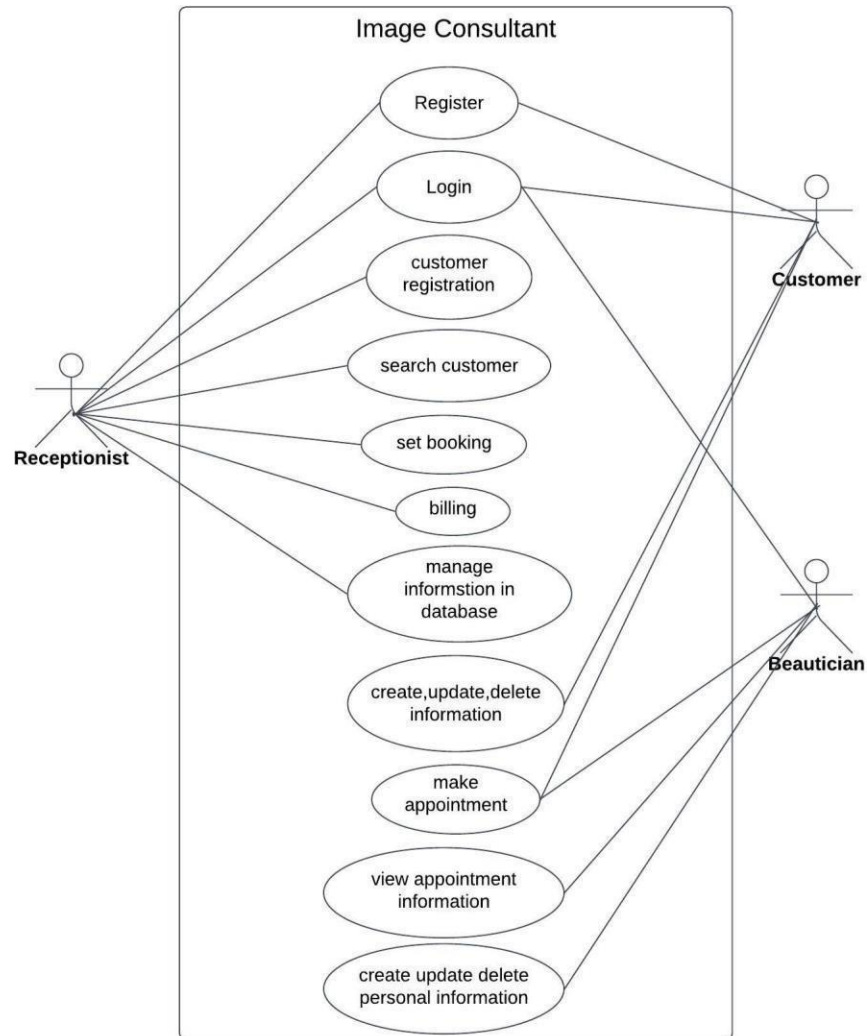


Figure: 3.1 Image Consultant

3.2 Use Case Description

Actor: Receptionist

Description: The Manage Appointments use case involves the receptionist's actions in handling appointments for salon services.

Preconditions:

- The receptionist is logged into the salon management system.
- The system is operational and accessible.

Basic Flow:

- The receptionist selects the "Appointments" option from the system menu.
- The system displays a list of upcoming appointments for the day.
- The receptionist checks for any new appointment requests or cancellations.
- If there are new appointment requests, the receptionist enters the customer's details, desired service, date, and time into the system.
- The system validates the appointment details and adds it to the appointment schedule.
- If there are appointment cancellations, the receptionist removes the canceled appointments from the system.
- The system updates the appointment schedule accordingly.

Alternative Flow:

- If there are conflicting appointments or unavailable time slots, the system notifies the receptionist and prompts them to reschedule or suggest alternative timings to the customer.

Postconditions:

- The new appointments are added to the system and reflected in the appointment schedule.
- Canceled appointments are removed from the system, and the schedule is updated.

Exceptions:

- If the system encounters a technical error during appointment management, an error message is displayed, and the receptionist contact's technical support.
- If a customer requests a specific service that is not available on the selected date/time, the receptionist informs the customer and suggests alternative options.

Notes:

- This use case focuses on the core functionality of managing appointments efficiently within the salon management system, ensuring accurate scheduling and customer satisfaction.

3.3 Activity Diagram

3.3.1 Home Page for User

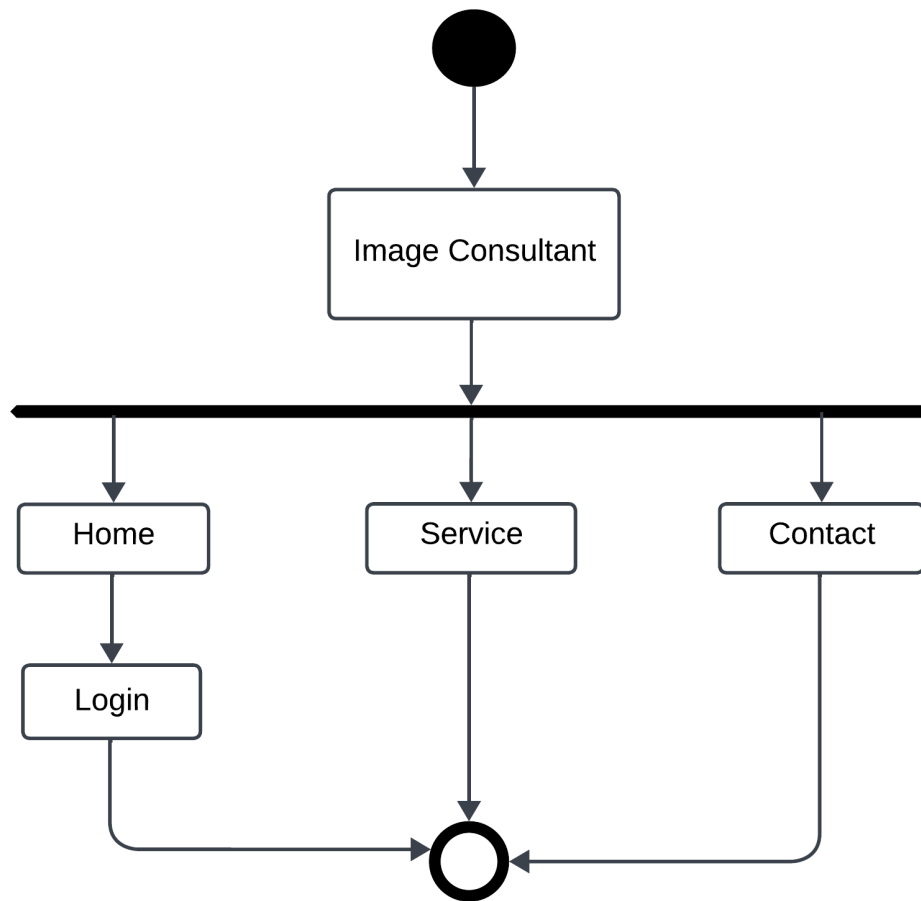


Figure 3.3.1: Activity Diagram of User Home

3.3.2 Registration for User

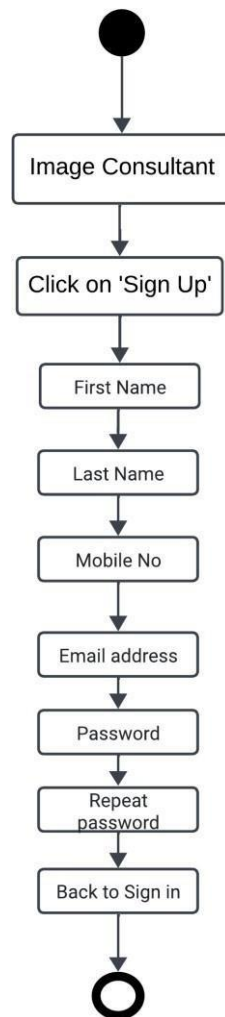


Figure 3.3.2: Activity Diagram for Users Registration

3.3.3 User Book salon service

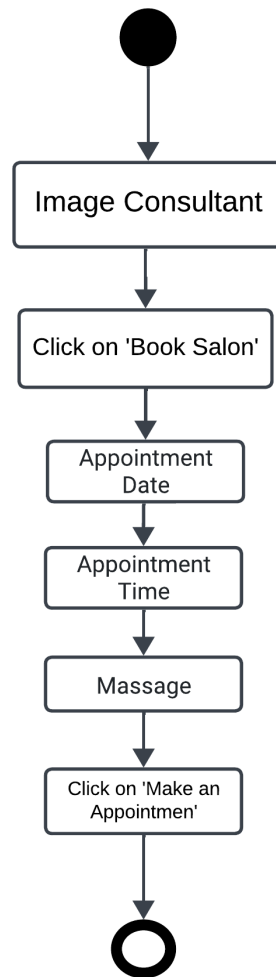


Figure 3.3.3: User Book salon service

3.3.4 User Booking service

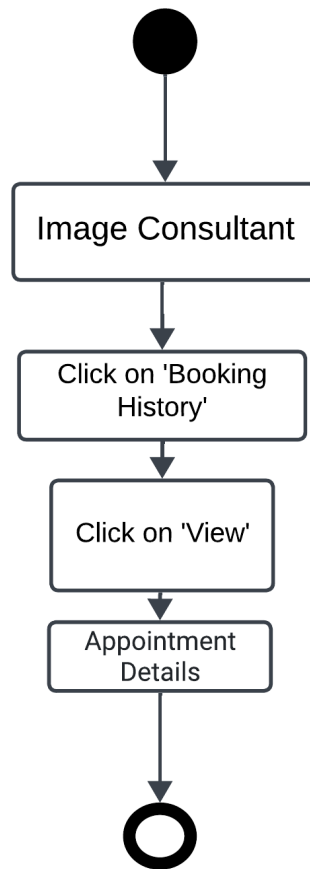


Figure 3.3.4: User Booking service

3.3.5 User Invoice History service

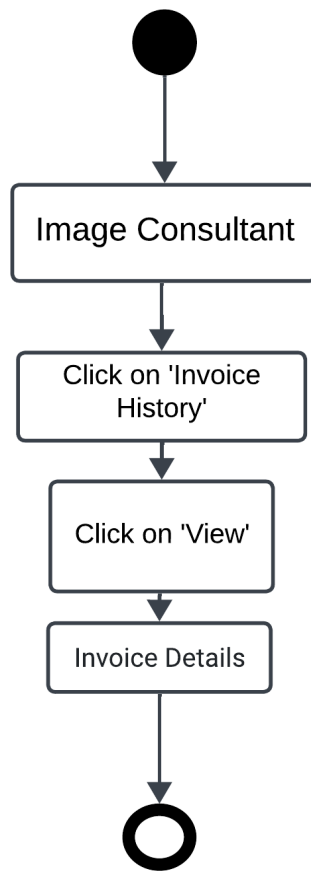


Figure 3.3.5: User Invoice History Service

3.3.6 Administrator Login service

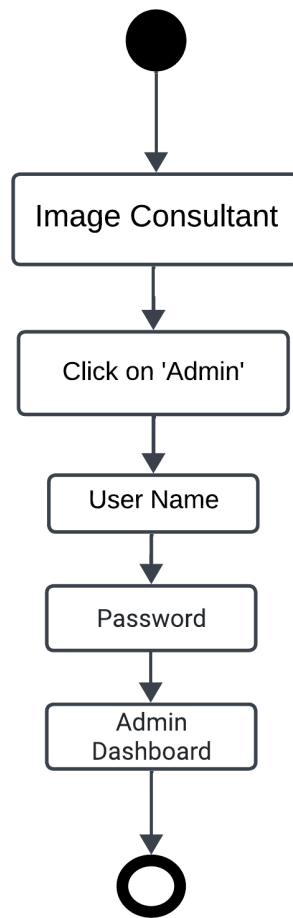


Figure 3.3.6: Administrator Login service

3.3.7 Administrator service

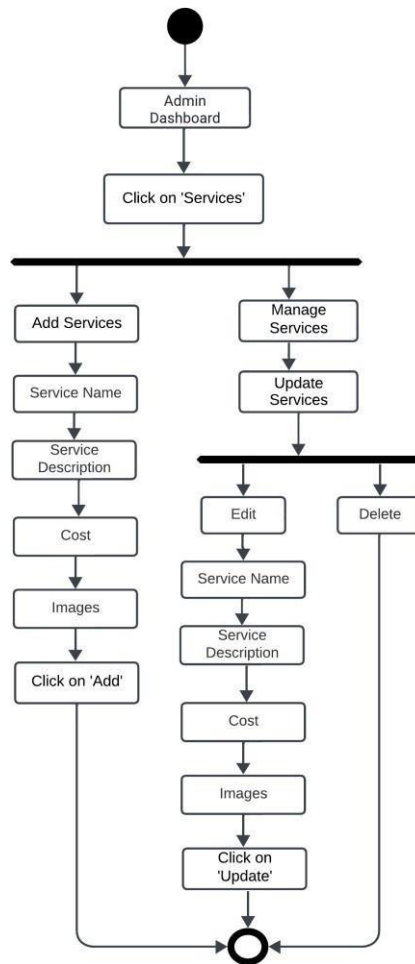


Figure 3.3.7: Administrator service

3.3.8 Manage User Pages service

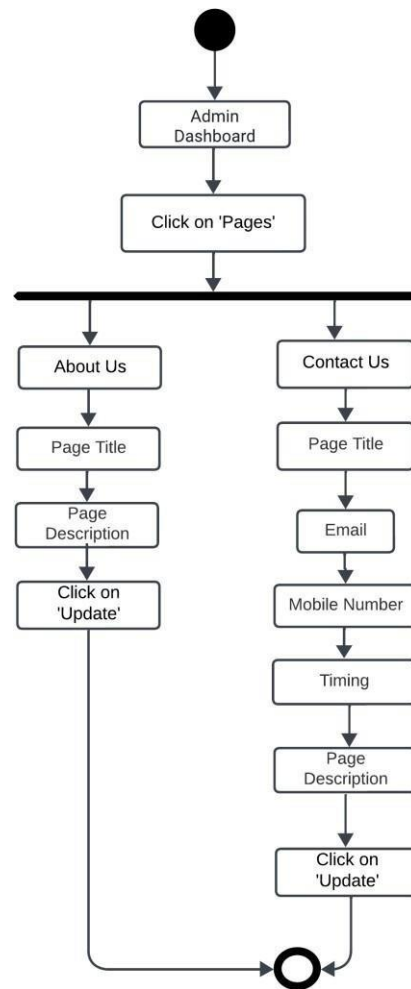


Figure 3.3.8: Manage User Pages Service

3.3.9 Administrator Appointment service

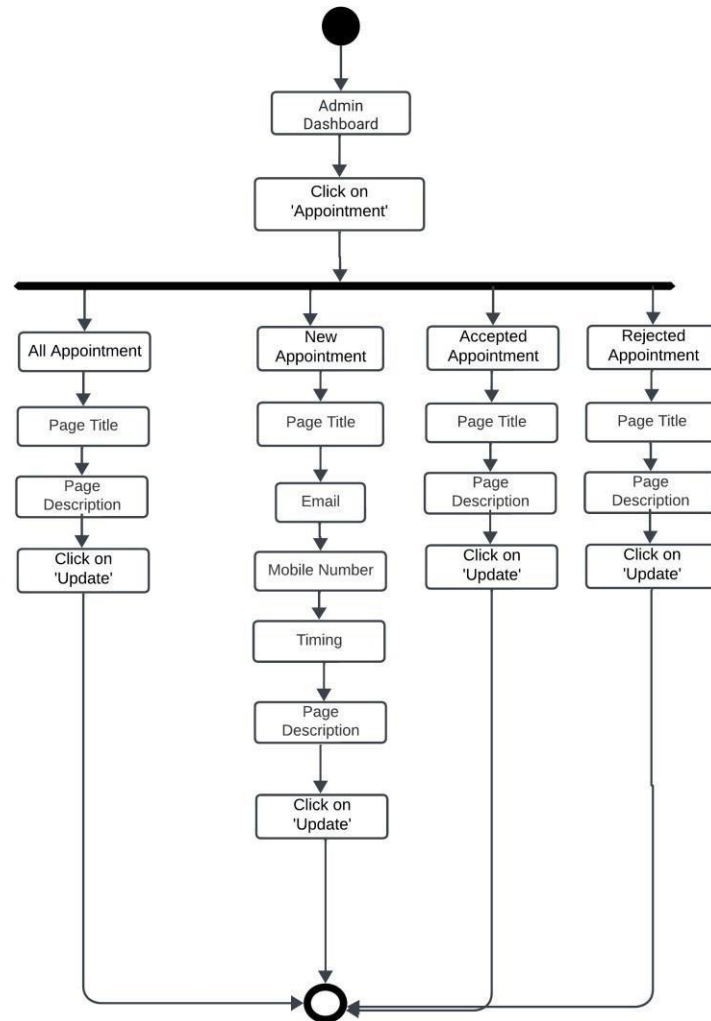


Figure 3.3.9: Administrator Appointment service

3.3.10 Administrator Enquiry service

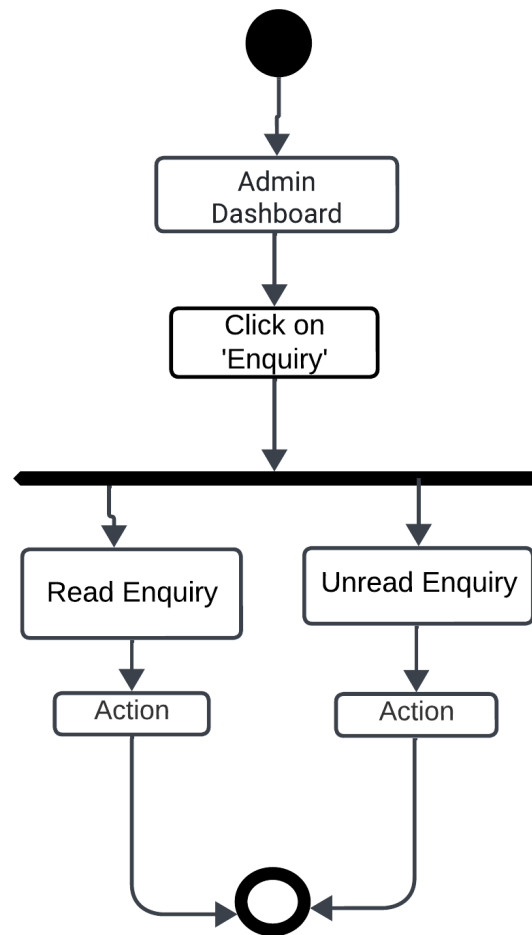


Figure 3.3.10: Administrator Enquiry service

3.3.11 Customer List

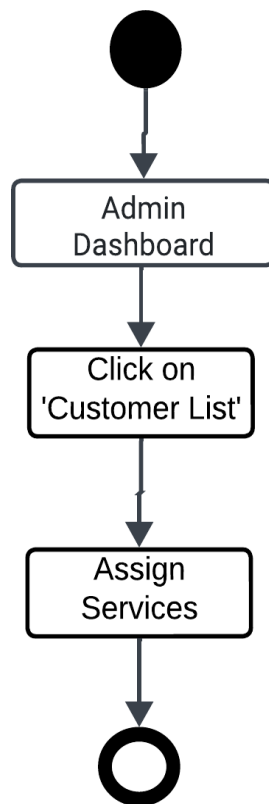


Figure 3.3.11: Customer List

3.3.12 Administrator Report list

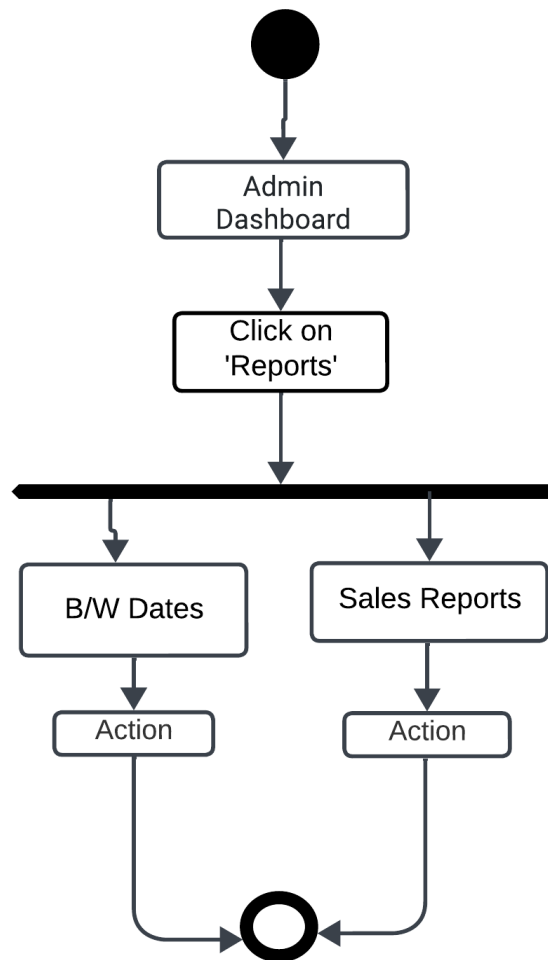


Figure 3.3.12: Administrator Report list

3.3.13 Administrator Invoice Section

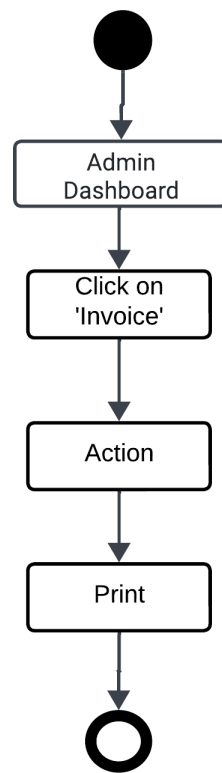


Figure 3.3.13: Administrator Invoice Section

3.3.14 Administrator Search Appointment

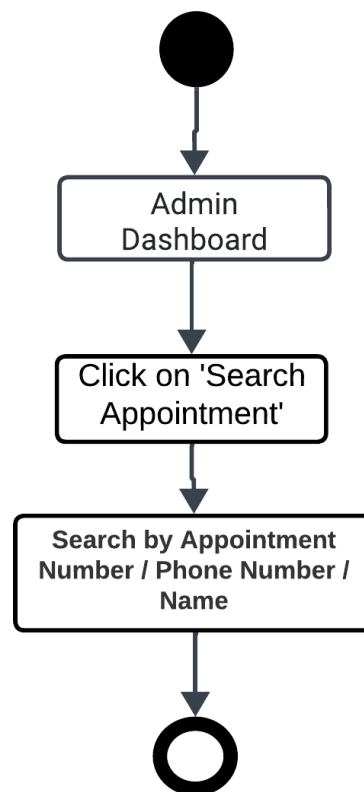


Figure 3.3.14: Administrator Search Appointment

3.4. Class Diagram

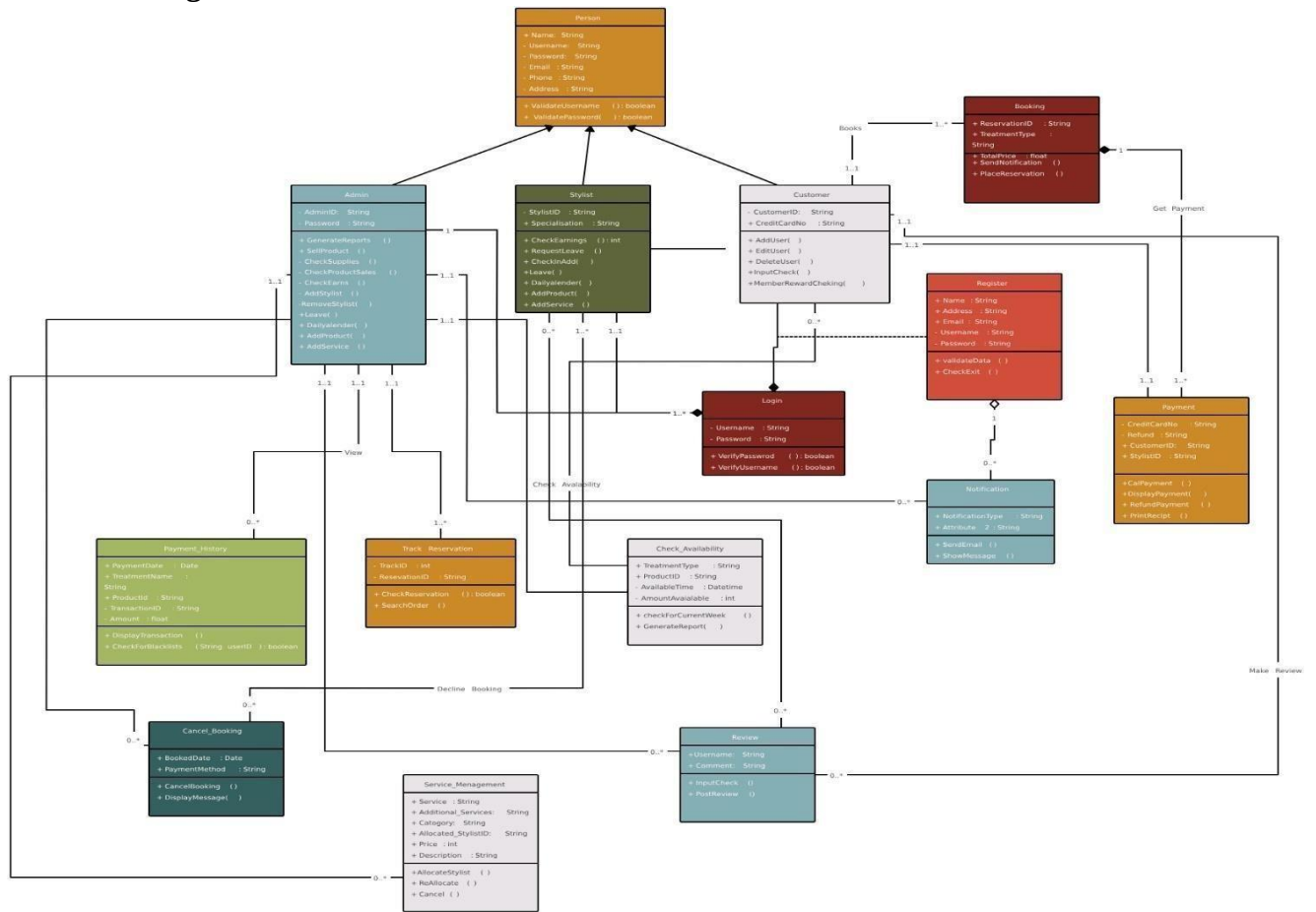


Figure 3.4: Class Diagram of Image Consultant

3.5 System Entity Relation Diagram

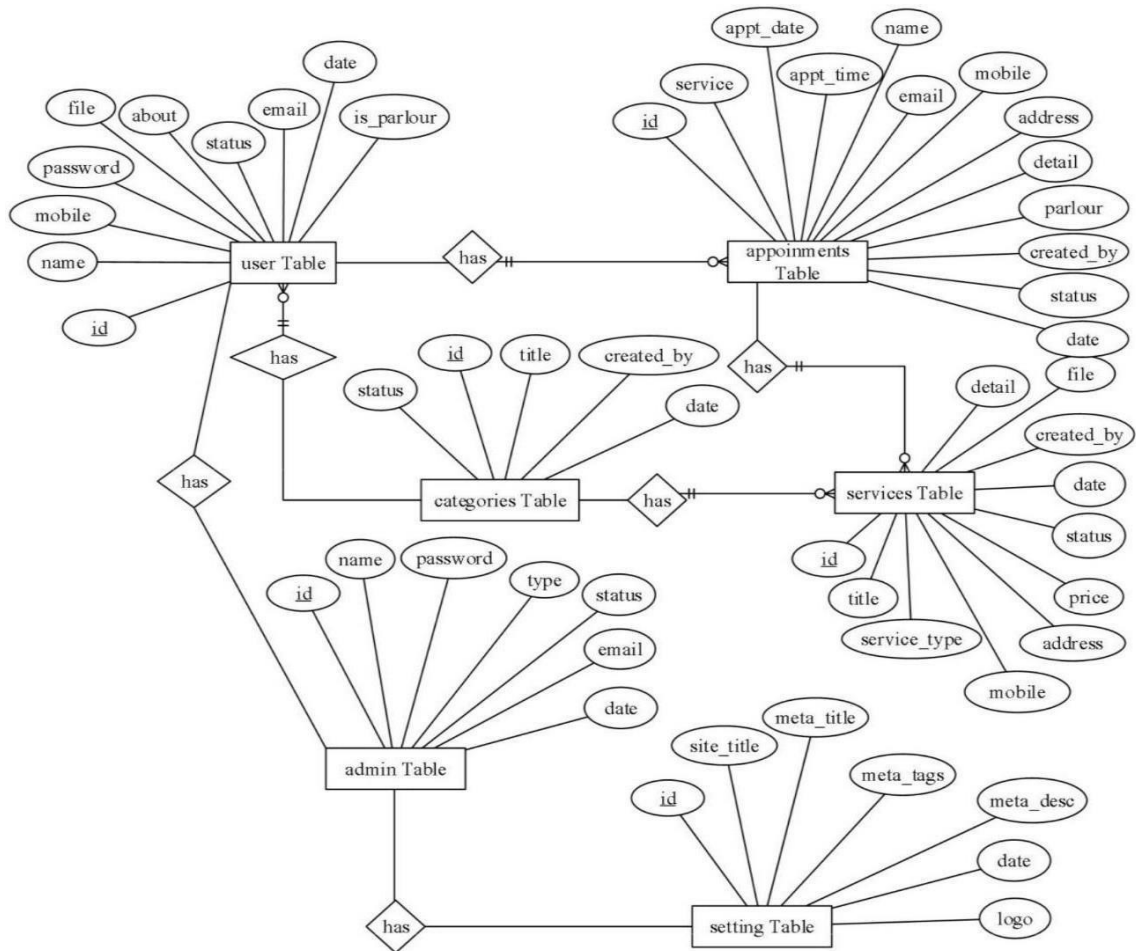


Figure 3.5: ERD Diagram for Image Consultant

CHAPTER 4

DEVELOPMENT TOOLS & TECHNOLOGY

4.1 User Interface Technologies

- HTML5, CSS, JavaScript, Bootstrap5, jQuery 3.6.0
- PHP
- Font Awesome

4.2 Implementation Technologies

4.2.1 SQLite

SQLite is a database engine written in the C programming language. It is a standalone app, rather, it is a library that software developers embed in their apps. As such, it belongs to the family of embedded databases. It belongs to the family of embedded databases. It is the most widely deployed database engine, as it is used by several of the top web browsers, operating systems, mobile phones, and other embedded systems.

4.2.2 PHP

PHP, which stands for "Hypertext Preprocessor," is a popular server-side scripting language primarily used for web development. Created by Rasmus Lerdorf in 1994 and later developed by a group of volunteers, PHP is an open-source language known for its flexibility and ease of use. Here's a brief overview:

- **Server-Side Scripting:** PHP is primarily used for server-side scripting, meaning it runs on a web server. When a user requests a web page that contains PHP code, the server processes the code and sends the resulting HTML to the user's browser.
- **Dynamic Web Pages:** PHP allows developers to create dynamic web pages that can interact with databases, handle forms, generate content on-the-fly, and perform other server-side tasks. This dynamic nature makes PHP a powerful tool for building interactive websites and web applications.
- **Open Source:** PHP is open-source software, which means it's free to use and developers can modify its source code to suit their needs. This has contributed to its widespread adoption and the creation of a large ecosystem of PHP frameworks, libraries, and tools.
- **Cross-Platform Compatibility:** PHP is compatible with various operating systems like Windows, Linux, macOS, and different web servers like Apache, Nginx, and Microsoft IIS. This cross-platform compatibility ensures that PHP applications can run on a wide range of environments.
- **Syntax:** PHP syntax is similar to C, Java, and Perl, making it relatively easy to learn for developers familiar with these languages. PHP code is embedded within HTML, allowing developers to mix dynamic content with static web page elements seamlessly.
- **Community and Ecosystem:** PHP has a large and active community of developers who contribute to its development, share knowledge, and provide support through online forums, documentation, and tutorials. This vibrant community has led to the creation of numerous PHP frameworks (such

as Laravel, Symfony, and CodeIgniter) and libraries that streamline development tasks and promote best practices.

Overall, PHP remains a popular choice for web development due to its simplicity, versatility, and the extensive resources available to developers. However, it's worth noting that like any technology, PHP has its strengths and weaknesses, and its suitability for a particular project depends on various factors such as Specifications, scalability, and performance considerations.

4.3 Platform & Environment

4.3.1 Hardware

- Processor: Intel Core i3 (Minimum)
- RAM: 4GB
- Hard Drive: 1TB
- Ubuntu 14.04/ Windows 8.1/ Windows 11

4.3.2 Tools

- IDE: Visual Studio Code
- Command Prompt
- Server: LocalHost:8000

4.3.3 Version Control

- Git

CHAPTER 5

SYSTEM TESTING

5.1 Testing Features

Testing is conducted to ensure that actual results match expected outcomes and to confirm that the system is free of defects. Additionally, it can involve modifying features to introduce new functionality or adjust an existing project.

5.1.1 Feature's to be Tested

Below are some of the features:

- **Login:** Allows users to securely access the system by entering their credentials, ensuring that only authorized individuals can use the system.
- **Add Service:** Enables users to add new services to the system, allowing for the management and customization of the services offered.
- **Add Module:** Provides the capability to integrate new modules into the system, enhancing its functionality and enabling the addition of new features or components.

5.2 Testing Strategies

Test methods outline how each part of the application will be addressed. They include detailed instructions on the type of tests to be performed and each phase of the test case. These methods define the appropriate approach to use and specify which modules need to be tested.

5.2.1 Test Approach

Testing is essential in every software project as it demonstrates the software's effectiveness and helps identify glitches and errors. This ensures that the application is straightforward and free from defects for the user. I have thoroughly tested and verified each function individually without employing any automation tools.

5.2.2 Test Category

Integration Testing

- **Definition:** Integration testing involves combining individual modules and testing them as a group to identify any issues in their interactions.
- **Purpose:** The goal is to ensure that combined modules work together correctly and to detect interface defects between modules.

Module Testing

- **Definition:** Module testing, also known as unit testing, focuses on testing individual components or modules of the software in isolation.
- **Purpose:** The aim is to verify that each module functions correctly on its own and to identify any defects within that specific module.

5.2.3 Success/ Failed Criteria

Test engineers establish the criteria for passing or failing a test, based on how well the system meets the specified requirements. A test is deemed passed if the results align with the expectations; otherwise, it is considered failed. In this project, a 100 percent pass rate is necessary. Any function that fails to perform correctly during evaluation will be classified as an error.

5.3 Testing Environment

Key areas to configure for testing include

- Operating System
- Browser
- System
- Application
- Database Server
- Test data
- Network

5.4 Test Cases

A test case consists of a set of conditions or variables used by a tester to verify whether the system meets the specified requirements and operates correctly. The testing phase of development helps identify issues with the requirements or application design.

Testing Case

Test Case: 1	Module Name: Administrator, Customer Login
Test Priority: High	Test Date: 24.04.2024
Test Title: Administrator, Teacher & Student Login Verification with valid username & password	Test executed by: <u>Nawrin Rownok Toma</u>
Description: Test Administrator, Teacher & Student Login Page	Test executed date: 24.09.2022
Pre-condition	User must have valid username & password.
Test steps:	1. Go to Login Page 2. Provide valid username and password 3. Click Sign in Button
Test Data:	Administrator Username: Administrator Password: user1234 Customer: Username: customer Password: user12324
Expected Results:	User should be able to login
Actual Result:	User logged in Successfully
Status (Pass/Fail):	Pass
Post-condition:	Successfully Logged in.

Table 5.4.1: Testing Case (Administrator, Customer Login)

CHAPTER 6

USER MANUAL

6.1 User Manual for User

6.1.1 User Home Page

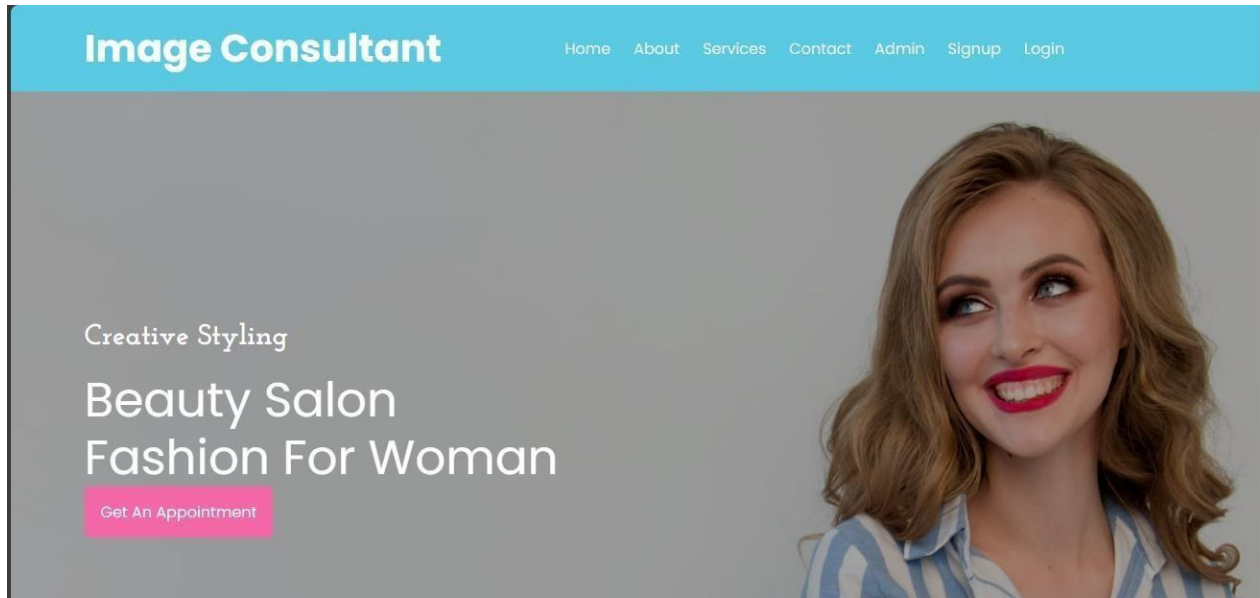


Figure 6.1.1 UI (User Home Page)

6.1.2 User About Page

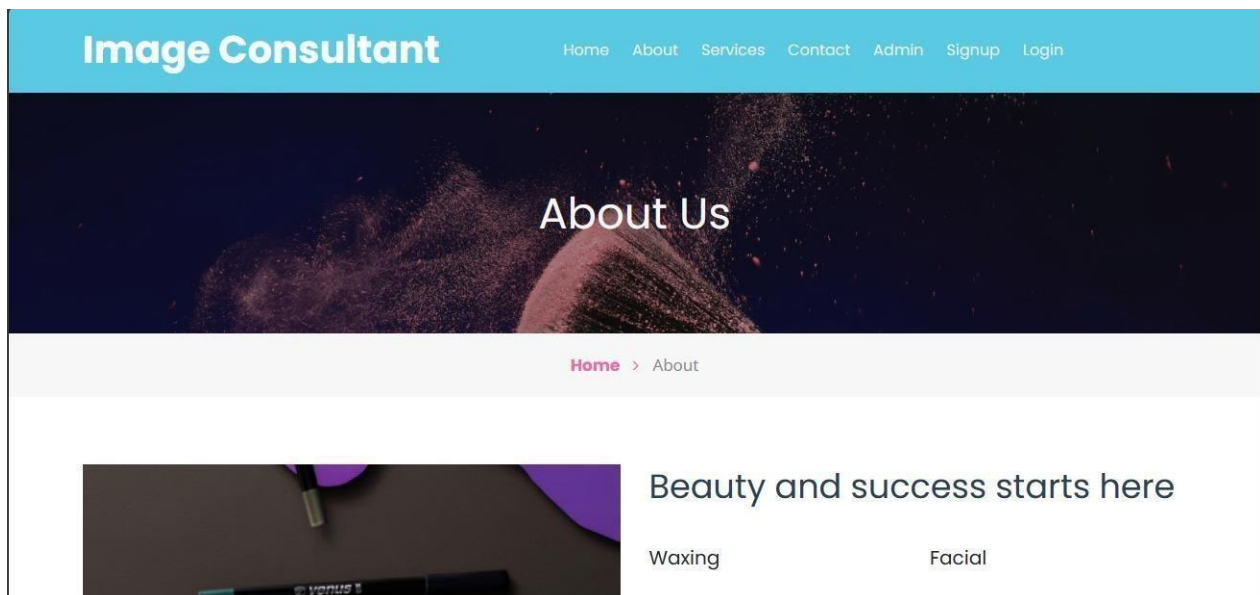


Figure 6.1.2 UI (About Page)

Figure 6.1.3 UI (Service Page)

Contact Us

[Home](#) > [Contact](#)



Call Us

+8801780000000



Email Us

info@gmail.com



Address

Dhanmondi, Dhaka

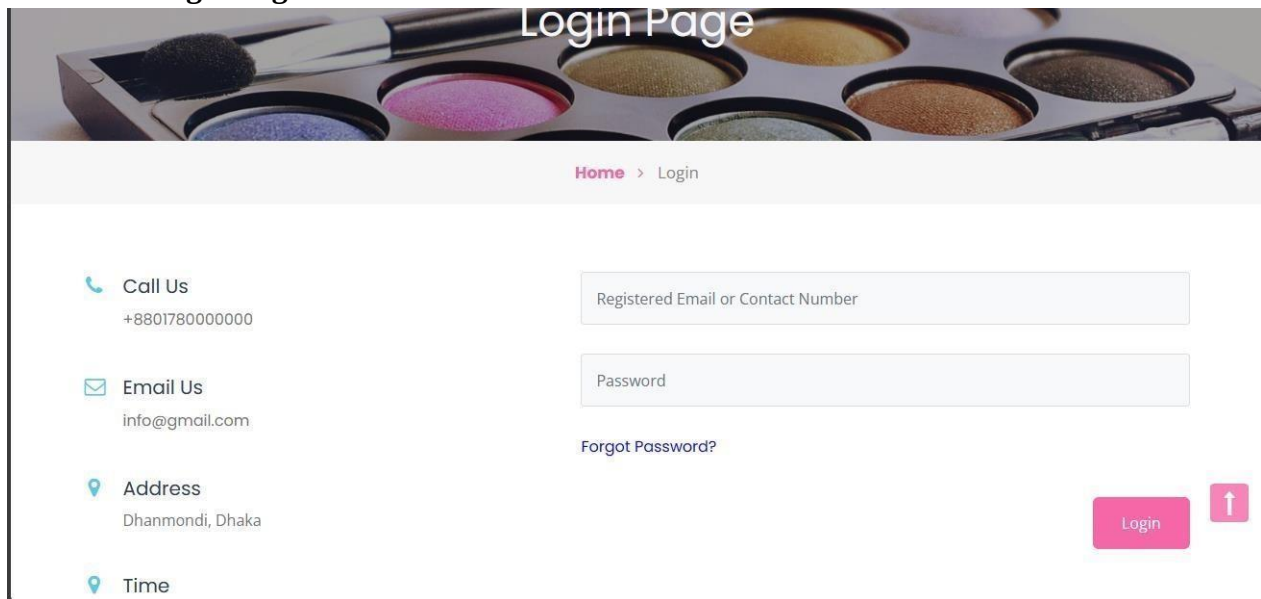


Time



Figure 6.1.4 UI (Contact Page)

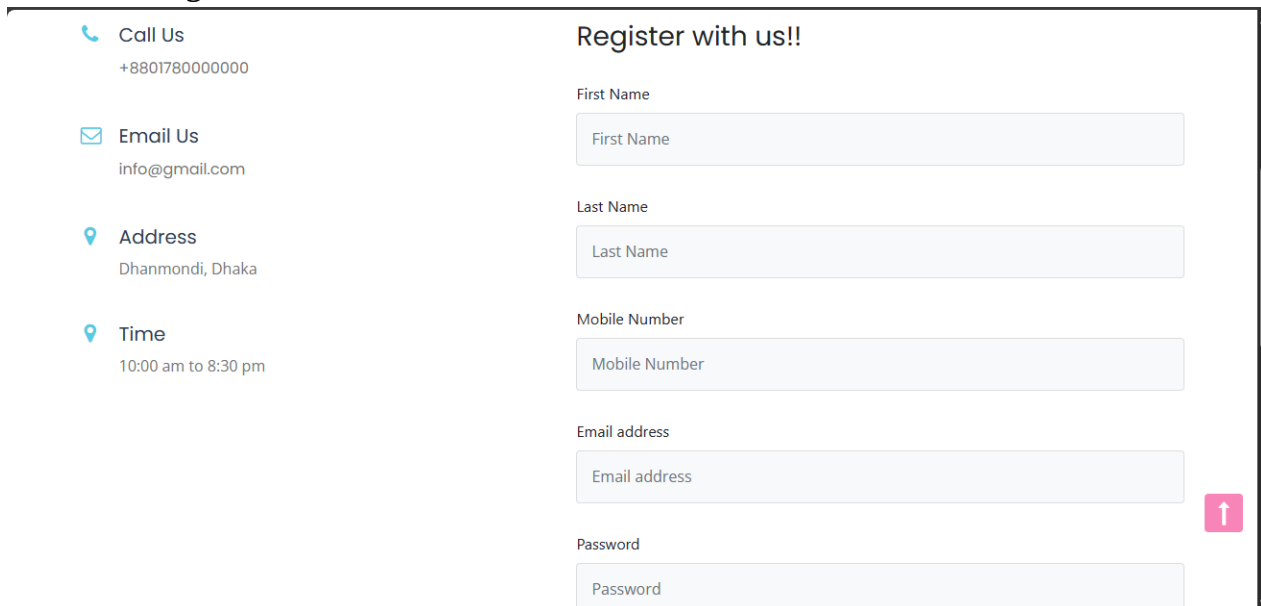
6.1.5 User Login Page



The login page features a header with a makeup palette image and the text "Login Page". Below the header is a navigation bar with "Home" and "Login" links. The main content area is divided into two columns. The left column contains contact information: "Call Us" (+8801780000000), "Email Us" (info@gmail.com), "Address" (Dhanmondi, Dhaka), and "Time". The right column contains the login form with fields for "Registered Email or Contact Number" and "Password", a "Forgot Password?" link, and a "Login" button. A pink arrow icon is located next to the "Login" button.

Figure 6.1.5 UI (User Login Page)

6.1.6 User Register



The register page features a header with a makeup palette image and the text "Register with us!!". Below the header is a navigation bar with "Home" and "Register" links. The main content area is divided into two columns. The left column contains contact information: "Call Us" (+8801780000000), "Email Us" (info@gmail.com), "Address" (Dhanmondi, Dhaka), and "Time" (10:00 am to 8:30 pm). The right column contains the registration form with fields for "First Name", "Last Name", "Mobile Number", "Email address", and "Password". A pink arrow icon is located next to the "Password" field.

Figure 6.1.6 UI (User Register)

6.1.7 User Password Reset Page

Home > Forgot Password

Call Us
+8801780000000

Email Us
info@gmail.com

Address
Dhanmondi, Dhaka

Time
10:00 am to 8:30 pm

Reset your password and Fill below details

Enter Your Email

Contact Number

New Password

Confirm Password

[signin](#)

[Reset](#)

[↑](#)

Figure 6.1.7 UI (r Password Reset Page)

6.2 User Manual for Administrator

6.2.1 Administrator Login Page

SignIn Page

Welcome back to Image Consultant AdminPanel !

Username

Password

[Sign In](#)

[Back to Home](#)

[forgot password?](#)

Figure 6.2.1 UI (Administrator Login Page)

6.2.2 Administrator Home Page

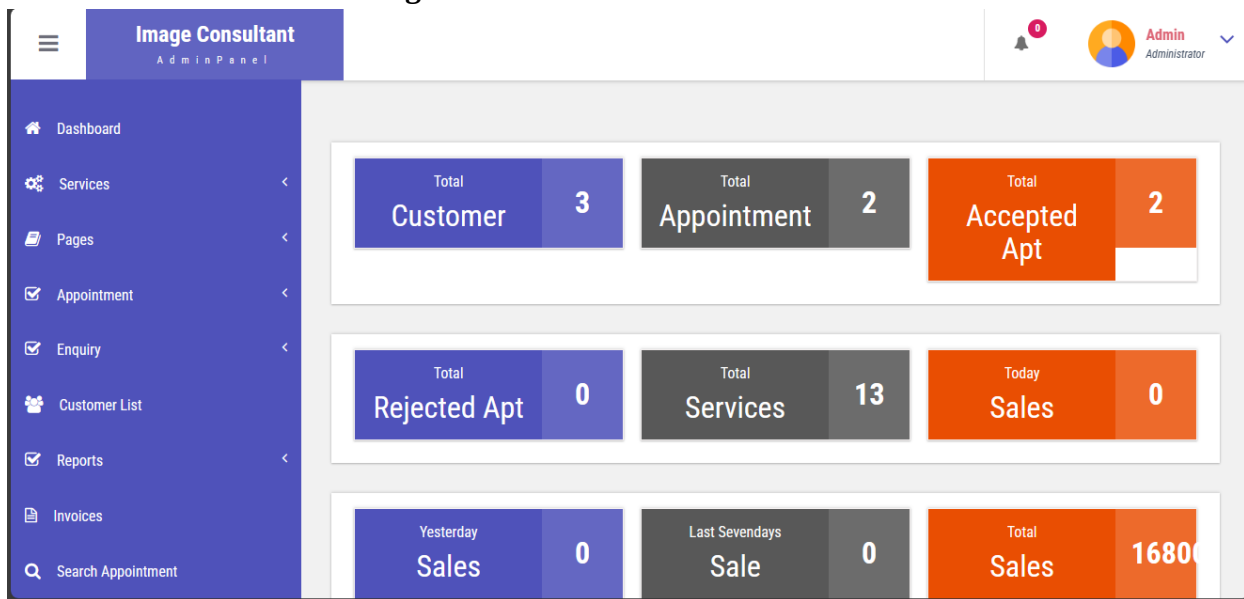


Figure 6.2.2 UI (Home Page)

6.2.3 Add Service Page

The screenshot displays the 'Image Consultant Admin Panel' 'Add Services' page. The top navigation bar and left sidebar menu are identical to the home page. The main content area is titled 'Add Services' and contains a form for adding a new service. The form fields are:

- Service Name:
- Service Description:
- Cost:
- Images: No file chosen

An 'Add' button is located at the bottom of the form. The footer of the page reads '© 2024 Image Consultant Admin Panel.'

Figure 6.2.3 UI (Add Service)

6.2.4 Administrator Manage Services

Image Consultant
Admin Panel

Manage Services

Update Services:

#	Service Name	Service Price	Creation Date	Action
1	O3 Facial	1200	2022-05-25 04:37:38	Edit Delete
2	Fruit Facial	500	2022-05-25 04:37:53	Edit Delete
3	Charcol Facial	1000	2022-05-25 04:37:10	Edit Delete
4	Deluxe Menicure	500	2022-05-25 04:37:34	Edit Delete
5	Deluxe Pedicure	600	2022-05-25 04:37:47	Edit Delete

Figure 6.2.4 UI (Manage Services)

6.2.5 Update User About Us

Image Consultant
Admin Panel

Update About Us

Update About Us:

Page Title
About Us

Page Description
Our main focus is on quality and hygiene. Our ParLOUR is well equipped with advanced technology equipments and provides best quality services. Our staff is well trained and experienced, offering advanced services in Skin, Hair and Body Shaping that will provide you with a luxurious experience that leave you feeling relaxed and stress free. The specialities in the parLOUR are, apart from regular bleachings and Facials, many types of hairstyles, Bridal and cine make-up and different types of Facials & fashion hair colourings.

[Update](#)

© 2024 Image Consultant Admin Panel.

Figure 6.2.5: UI (Update User About Us)

6.2.6 Update User Contact Us

Update Contact Us:

Page Title
Contact Us

Email
info@gmail.com

Mobile Number
8801780000000

Timing
10:00 am to 8:30 pm

Page Description
Dhanmondi, Dhaka

Update

Figure 6.2.6 UI (Update User Contact Us)

6.2.7 All Appointment

All Appointment

All Appointment:

#	Appointment Number	Name	Mobile Number	Appointment Date	Appointment Time	Status	Action
1	753318816	Kanak Sarker	1780790822	2023-12-10	10:24:00	Selected	<button>View</button> <button>Delete</button>
2	837406511	abcd efg	147895623	2023-12-30	21:49:00	Selected	<button>View</button> <button>Delete</button>

© 2024 Image Consultant Admin Panel.

Figure 6.2.7: UI (All Appointment)

6.2.8 New Appointment

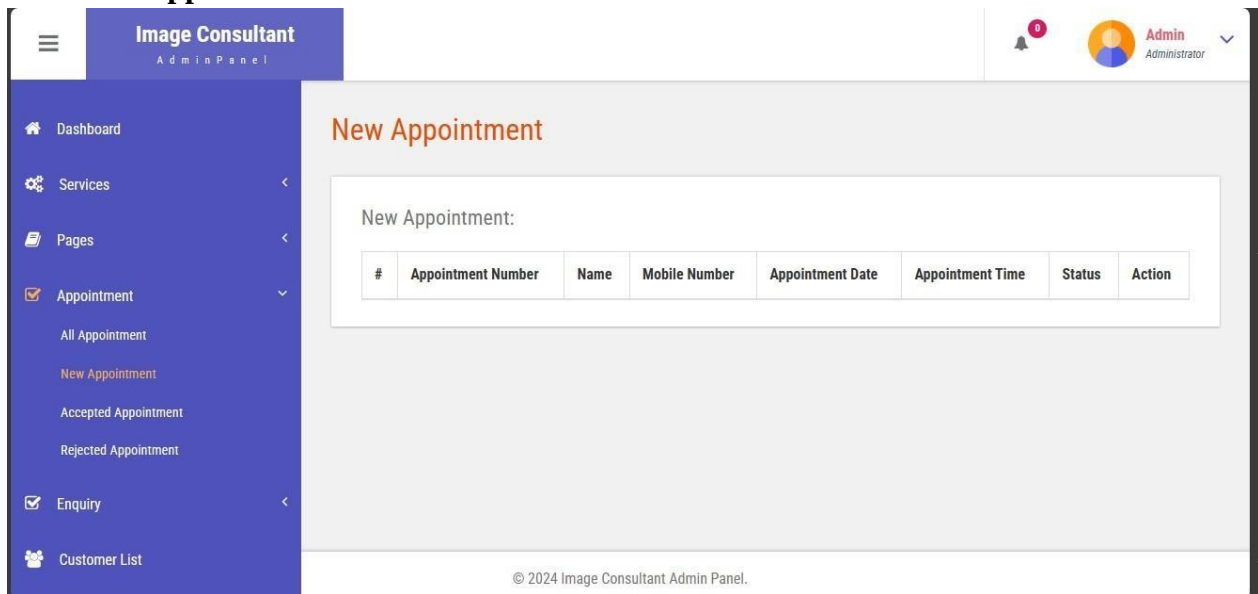


Figure 6.2.8: UI (New Appointment)

6.2.9 Accepted Appointment

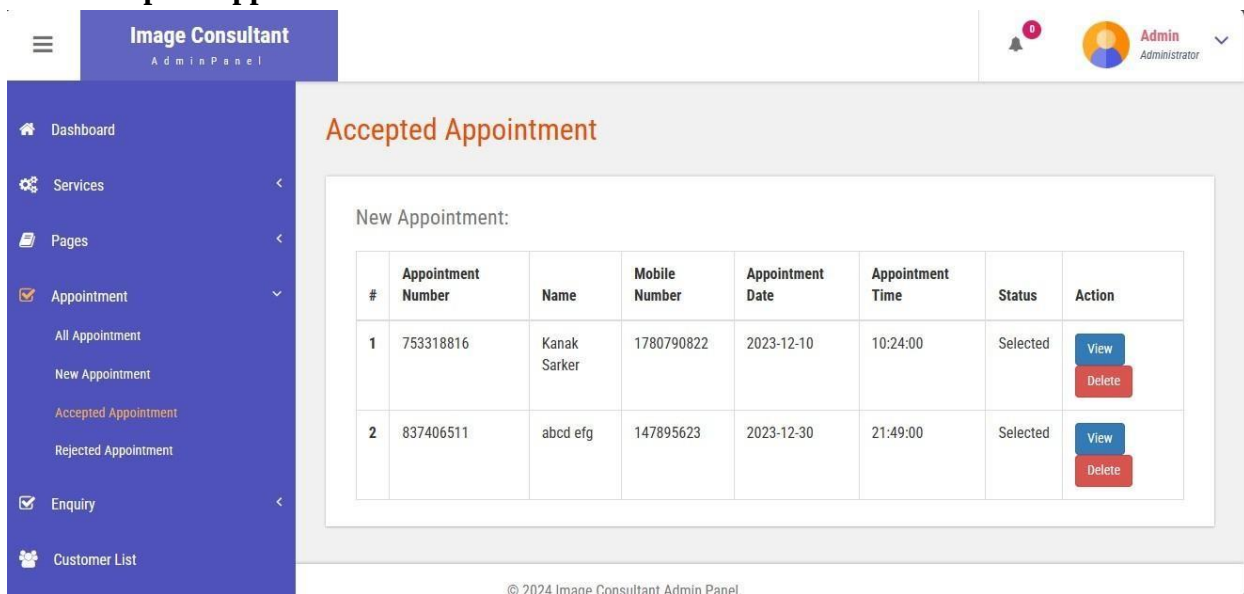


Figure 6.2.9: UI (Accepted Appointment)

6.2.10 Rejected Appointment

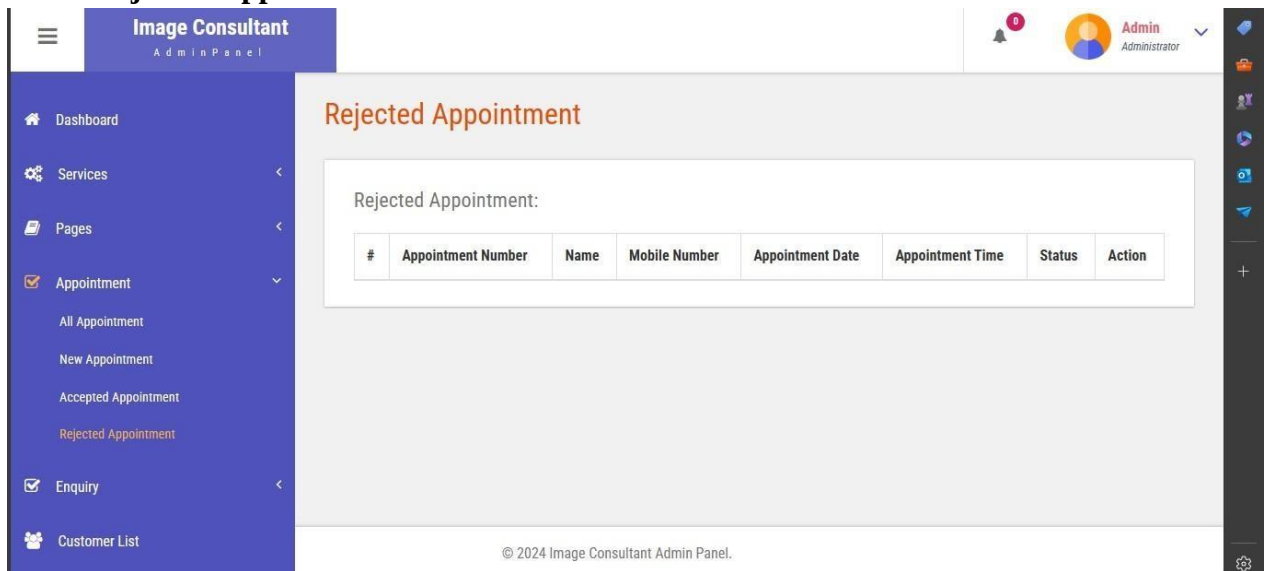


Figure 6.2.10: UI (Rejected Appointment)

6.2.11 Manage Read Enquiry

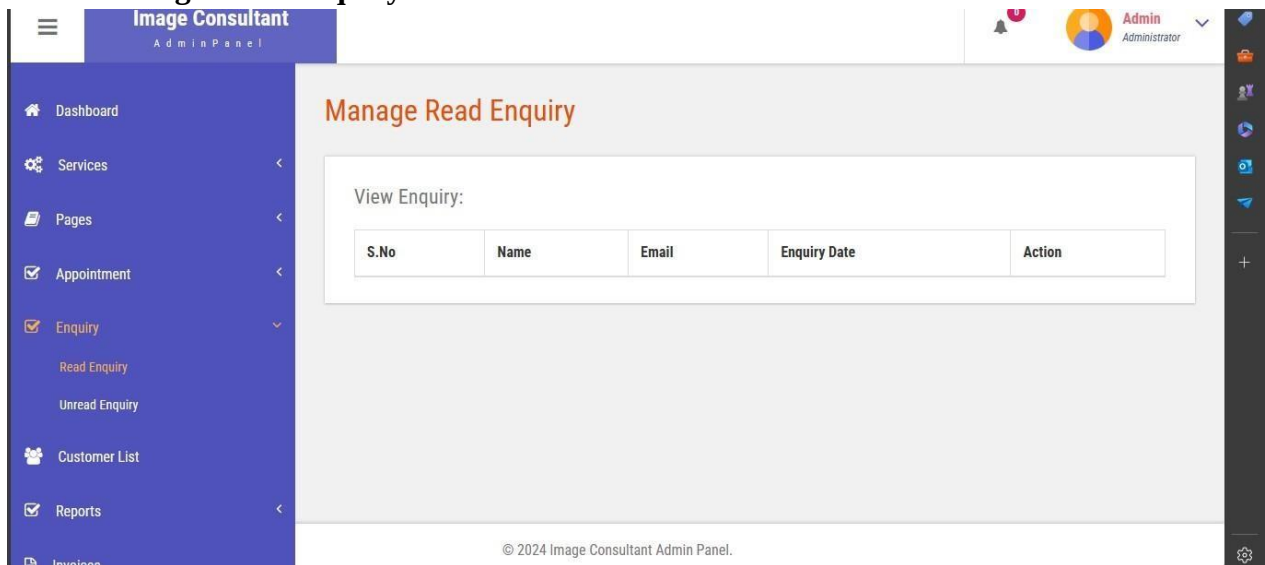


Figure 6.2.11: UI (Manage Read Enquiry)

6.2.12 Manage Unread Enquiry

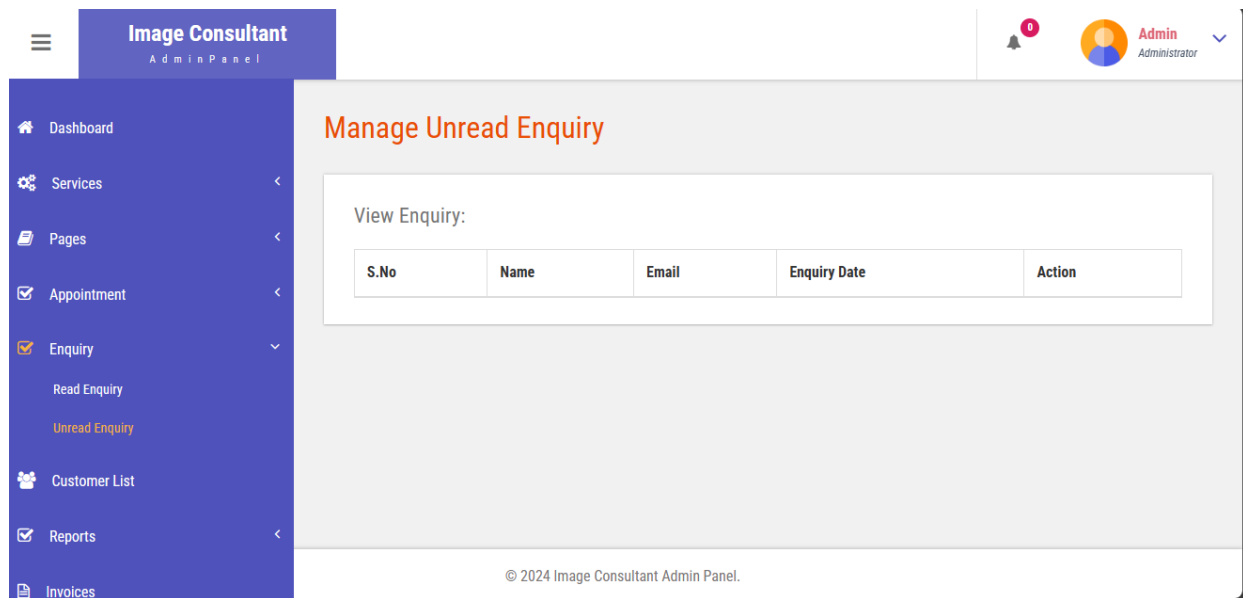


Figure 6.2.12: UI (Manage Unread Enquiry)

6.2.13 Customer List

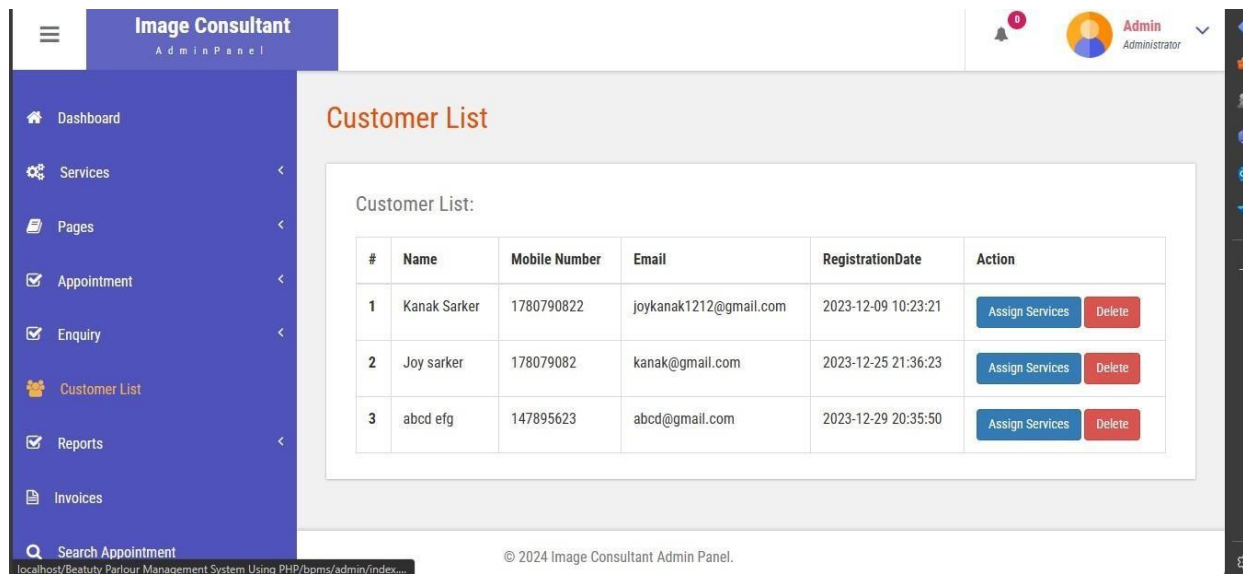


Figure 6.2.13: UI (Customer List)

6.2.14 Reports

Image Consultant Admin Panel

Between dates reports

Between dates reports:

From Date

mm/dd/yyyy

To Date

mm/dd/yyyy

Submit

© 2024 Image Consultant Admin Panel.

localhost/Beauty Parlour Management System Using PHP/bpms/.../dashboard...

Figure 6.2.14: UI (Reports)

6.2.15 Invoice List

Image Consultant Admin Panel

Invoice List

Invoice List:

#	Invoice Id	Customer Name	Invoice Date	Action
1	682262612	abcd efg	2023-12-29	View Delete
2	606051211	Kanak Sarker	2023-12-09	View Delete

© 2024 Image Consultant Admin Panel.

Figure 6.2.15: UI (Invoice List)

6.2.16 Search Appointment

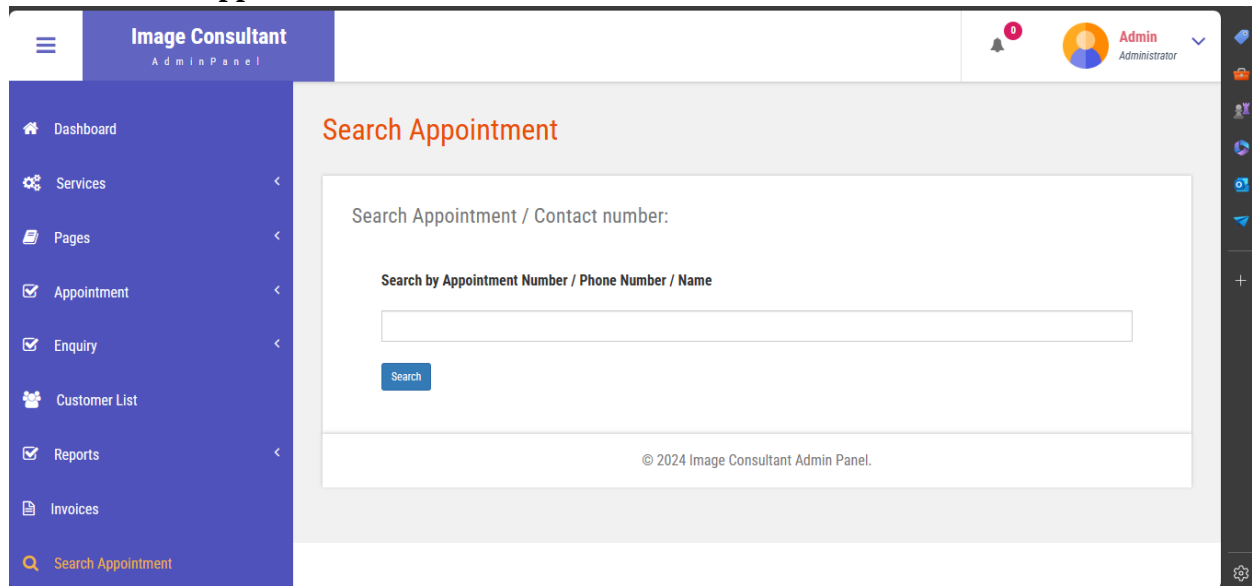


Figure 6.2.16: UI (Search Appointment)

CHAPTER 7

PROJECT SUMMARY

7.1 GitHub Link

7.2 Limitations

- Internet Speed: Users need a high-speed internet connection to ensure the system functions smoothly and efficiently.
- Valid Account: Users must possess a valid account to access and utilize the system effectively. This ensures that all features and functionalities are accessible to authenticated users.
- Unauthorized Access: The system does not accept unauthorized accounts. Only users with proper authorization can log in and use the system.

7.3 Obstacles and Achievement

7.3.1 Obstacle

- Learning Curve: Adapting to new technology and a new working environment is essential for the success of this project. Team members must be willing to learn and integrate these new elements into their workflow.
- Time and Budget Limitations: The project must be completed within a limited timeframe and budget. Efficient use of resources and time management is crucial to stay within these constraints.

7.3.2 Achievement

- Technology Learning: Focus on acquiring knowledge and skills in new technology to enhance capabilities and stay up-to-date with industry advancements.
- Real-Time Problem Solving: Apply the newly acquired technological skills to address and solve a real-time problem, demonstrating practical application and effectiveness.

7.4 Future Scope

Integration of Advanced Technologies:

- AI and Machine Learning: Incorporate AI to provide personalized recommendations for services and products based on customer preferences and history. Machine learning can also be used for predictive analytics to forecast trends and customer behavior.
- Virtual and Augmented Reality: Implement virtual try-on features for hairstyles and colors, allowing customers to visualize changes before making decisions.

Enhanced Customer Experience:

- **Mobile App Development:** Develop a comprehensive mobile application to allow customers to book appointments, receive notifications, and access loyalty programs on the go.
- **24/7 Virtual Assistance:** Introduce chatbots and virtual assistants to handle customer queries and appointment bookings round-the-clock.

Expanded Service Offerings:

- **E-Commerce Integration:** Add an e-commerce platform for selling beauty and hair care products, enabling customers to purchase their favorite items directly from the salon's website or app.
- **Membership and Subscription Plans:** Create subscription-based services or membership plans to offer exclusive discounts, priority bookings, and special packages.

Data Analytics and Reporting:

- **Comprehensive Analytics Dashboard:** Develop advanced analytics dashboards for salon managers to track key performance indicators, customer demographics, and sales trends.
- **Customer Feedback System:** Implement an integrated feedback system to gather customer reviews and suggestions, facilitating continuous improvement in services.

Operational Efficiency:

- **Inventory Management:** Enhance inventory management systems to automate stock tracking, order supplies, and predict restocking needs.
- **Staff Management:** Integrate advanced scheduling and payroll systems to optimize staff management and reduce Administrative workload.

Scalability and Customization:

- **Multi-Location Support:** Design the system to support multiple salon locations, allowing centralized management of appointments, staff, and inventory across different branches.
- **Customization Options:** Offer customizable features and modules to cater to the specific needs of different salons, ranging from small boutiques to large chains.

Security and Compliance:

- **Data Security:** Strengthen data protection measures to ensure customer and business information is secure, complying with relevant data privacy regulations.
- **Regulatory Compliance:** Ensure the system is adaptable to comply with evolving industry regulations and standards.

7.4 References

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