



BANGLADESH UNIVERSITY OF PROFESSIONALS (BUP)

Project Proposal

Tentative Title: **Beauty Salon Management**

1.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; color: blue;">Student Name</td> <td style="text-align: center; color: blue;">Student ID</td> </tr> <tr> <td style="text-align: center;">Shamoyeta Mourin Mouly</td> <td style="text-align: center;">2252421036</td> </tr> <tr> <td style="text-align: center;">Latifa Nishat Nishi</td> <td style="text-align: center;">2252421062</td> </tr> <tr> <td style="text-align: center;">Tahsina Tabassum Roza</td> <td style="text-align: center;">2252421084</td> </tr> <tr> <td style="text-align: center;">Raiyan Bin Sarwar</td> <td style="text-align: center;">2252421096</td> </tr> </table>		Student Name	Student ID	Shamoyeta Mourin Mouly	2252421036	Latifa Nishat Nishi	2252421062	Tahsina Tabassum Roza	2252421084	Raiyan Bin Sarwar	2252421096
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2.	Name of the Department/Office/Faculty:	Faculty of Science and Technology (FST)										
3.	Name of the University:	Bangladesh University of Professional										
4.	Title of the Project:	Beauty Salon Management										
6.	Place where the work will be performed:											
	<ul style="list-style-type: none"> Name of the University 	Bangladesh University of Professional										
	<ul style="list-style-type: none"> Name of the Department/Institute 	Department of Computer Science and Engineering (CSE)										

Beauty Salon Management

1. Introduction

The **Beauty Salon Management System** is a database-driven project designed to streamline and enhance the daily operations of a beauty salon. In the dynamic and customer-oriented beauty and wellness industry, managing appointments, employee schedules, service records, product inventory, and financial transactions can be time-consuming and error-prone if handled manually. This project addresses these challenges by creating a centralized system that automates routine processes, making it easier for salon owners to manage customer data, track service history, and improve overall efficiency. By implementing a well-structured database management system, this project aims to reduce manual errors, improve service quality, and enhance customer satisfaction.

2. Project Objectives

- 1. Efficient Appointment Management**
Enable smooth scheduling, modification, and cancellation of appointments to reduce waiting times for customers and optimize staff availability.
- 2. Enhanced Customer Experience**
Store and maintain detailed customer records, service history, and preferences, supporting personalized services and timely appointment reminders.
- 3. Employee and Resource Optimization**
Allocate employee schedules based on demand, expertise, and availability, ensuring efficient use of salon resources and services.
- 4. Inventory Management**
Track product usage, manage stock levels, and set reorder alerts, ensuring essential items are in stock without overstocking.
- 5. Financial Tracking and Reporting**
Allow for accurate billing, transaction processing, and the generation of reports for financial tracking, budgeting, and strategic planning.
- 6. Data Security and Privacy**
Implement role-based access control and data encryption to safeguard sensitive data, protecting customer, financial, and employee information.

3. Users

- 1. Admin:** The salon owner or manager, with full access to the system, responsible for overseeing operations, managing employees, monitoring inventory, and generating financial reports.
- 2. Employees/Staff:** Stylists, therapists, and other service providers who access the system to view schedules, customer appointments, and update service statuses.

3. **Receptionist:** Manages appointments, handles customer check-ins, processes payments, and assists with inventory updates, with limited system access.
4. **Customers:** While they do not access the internal system, customers interact with a public-facing portal to view services, book appointments, receive notifications, and provide feedback.

4. Key Features

- **Appointment Management:** Schedule, modify, and cancel appointments with ease, avoiding scheduling conflicts and optimizing resource allocation.
- **Employee Management:** Track employee availability, manage shift assignments, and allow employees to view their schedules and assigned services.
- **Service Management:** Define and manage available services, including pricing, duration, and staff allocation, and track popular services.
- **Inventory Control:** Monitor stock levels, track product usage, and set reorder points to ensure essential items are always in stock.
- **Billing and Payment Processing:** Process bills and payments accurately and maintain transaction records.
- **Customer Relationship Management (CRM):** Store detailed customer profiles, including contact information, service history, preferences, and feedback.

5. Tech Stack

Front End:

- **HTML/CSS:** For structuring and styling the user interface.
- **JavaScript:** For adding interactivity to the application.

Back End:

- **PHP:** For server-side processing, managing business logic, and interacting with the database.
- **MySQL:** For database management to store and manage customer, employee, appointment, and inventory data.

6. Conclusion

The Beauty Salon Management System is a comprehensive solution designed to enhance salon operations by streamlining appointment scheduling, inventory management, employee coordination, and customer relationship management. By utilizing a well-structured database management system, this project offers an efficient and scalable tool for beauty salons to improve service quality and operational efficiency, allowing for future growth and expanded functionality.