

Final Year Design Project Proposal

Beauty Blush Salon

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By

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Beauty Blush Salon

1. Abstract of the project

The Beauty Blush Salon is a web-based platform. It will help clients book salon services in a simple and quick way. Clients will create their profiles and log in to access the system. They will explore services, view prices and choose their preferred stylist. The system will show available time slots so clients can book at the right time. It will also support partial online payments to confirm appointments (i.e., 100 Rs). The remaining amount will be paid at the salon in cash. Each client will have a personal dashboard. They will check their upcoming appointments and booking history. Salon admin will manage services, stylists and appointments through an admin panel. The system will reduce manual work and avoid scheduling errors. This project will not support many salons. It will be made only for one salon and its clients. Overall, it will provide a modern, easy and efficient solution for managing salon appointments.

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2. INTRODUCTION

Background:

Single salon booking systems still manage their appointments manually. They take bookings through calls or also write them in registers. This often leads to confusion, double bookings and delays. Clients also cannot check available time slots or stylist details online and they have to wait for hours. There is a need for a simple digital system to manage clients more easily. The Beauty Blush Salon will help salon manage clients and appointments efficiently. Clients will be able to book services, choose stylists and make partial payments online (i.e., 100Rs). The system will make bookings more accurate, make the process easier for clients and help the salon owner clearly see and control daily appointments.

Problem Statement:

Single-location beauty salons usually manage bookings manually using phone calls or registers. This manual process creates confusion, booking mistakes and delays. Salon admin face difficulties in managing appointments, confirming clients and checking payment status. Clients also experience problems such as late booking confirmation and unclear service updates. The lack of real-time availability reduces overall efficiency. Therefore, a simple online booking system is needed to make the booking process faster, more accurate and more convenient for both salon owner and clients.

Stakeholders & Interests:

Stakeholder	Description	Interest
Salon Admin	Person who manages services, stylists, schedules and payments.	Manage client appointments easily, avoid booking problems and save time.
Clients	People who use salon services and book appointments online	Choose services, select stylists, make partial payments and book appointment without calling.

Table 1 Stakeholder & Interest

Objectives:

- The Beauty Blush Salon system aims to simplify the appointments booking process.
- It will reduce manual work and booking mistakes in the salon.
- It will improve customer convenience through online booking and payments.
- The system will help the salon admin to organize services and appointments easily.
- The system will improve overall communication between clients, stylist and salon admin.

Scope:

- The system will be developed for one single salon only.
- Clients will be able to register, login and update their profiles.
- Clients will be able to book appointments and make partial online payments.
- The system will allow the salon admin to manage services, stylists and appointments.
- All booking and payment data will be stored in the secure database.

Limitations:

- The system will not be available as a mobile app.
- Notifications will be limited to email only.
- A stable internet connection will be required for all users.
- Strong security features like 2-factor authentication and full encryption will not be included.
- The system will work for only one salon and will not support multiple salons.

3. LITERATURE REVIEW

Related Work:

Several salon booking systems in Pakistan like TONI&GUY, Depilex, Allenora Salon, Seema Beauty Parlour and Nabila Salon have been introduced to manage salon operations online. These systems provide basic functionalities such as service listings, portfolios and simple booking forms. However, most lack real-time available slots, stylist selection, automated booking confirmation and partial payment options. Their limited features and manual confirmation reduce user convenience and overall system efficiency. The proposed Beauty Blush Salon addresses these gaps by providing a fully automated, user-friendly platform for real-time scheduling, stylist selection and online partial payment.

Gap Analysis:

Salon	Online Booking System	Real time slot	Stylist Selection	Oline Payment	Client/Admin Dashboard
TONI&GUY [1]	✓	X	X	X	X
Depilex [2]	✓	X	X	X	X
Allenora Salon [3]	X	X	X	X	X
Seema Beauty Parlour [4]	✓	✓	X	X	✓
Canvas Salon & Studio [5]	✓	X	X	X	X
Nabila Salon [6]	X	X	X	X	X
Beauty Blush Salon	✓	✓	✓	✓	✓

Table 2 Gap Analysis

4. FYDP OVERVIEW

FYDP Title: Beauty Blush Salon

Sr. No	Roll Numbers	Name	Signatures
1.	089351	Sahrish Yaseen	
2.	089286	Mahnoor	

FYDP Goals:
Clients will be able to book, cancel and reschedule salon appointments online.
The system will provide a simple, user-friendly interface salon owner, stylists and clients.
The system will support stylist selection and service-based booking for better customer experience.
FYDP Objectives:
The system will automate the salon appointment process and will reduce manual mistakes.
The system will design an easy and clear interface for stylists, salon admin and clients.
All clients, stylists and payment records will be stored securely in a database.
It will provide a simple, affordable and efficient solution for salon management.
FYDP Success Criteria:
The website will run smoothly without errors.
Clients will be able to book, cancel and reschedule appointments successfully.
All clients and appointment data will be stored securely in the database.
Email confirmation will be sent automatically for every appointment creation, update or cancellation.
Assumptions:
Users will have internet access to use the website.
Both salon admin and clients will register with correct information.
The server and database will be running and secure.

Users will have basic knowledge of using websites.
Risks & Obstacles:
User may enter incorrect information during booking or payment.
System performance may slow down if bookings or records become very large.
Risk of compatibility issues on different browsers or mobile devices.
Email notifications may fail if server configuration changes.
Organization Address: Govt. Graduate College Civil Lines, Sheikhupura, Pakistan
Target End Users: Salon admin, Clients / Customers
Suggested Project Supervisor: Sir Hasan Raza
Approved By: Sir Hasan Raza
Date: October 16, 2025

Table 3 FYDP Project Overview

5. TOOLS, LIBRARIES AND TECHNOLOGIES WITH REASONING

Tools, Libraries and Technologies	Tools	Version	Rationale
	Visual Studio Code	1.90+	IDE for efficient coding
	MongoDB Compass	Latest	GUI tool for MongoDB management
	MS Word	2021	Documentation creation
	Draw.io	Latest	Used to design UML diagrams
	Figma	Latest	Used to design UI/UX mockups.
	GitHub	Latest	Version control and collaboration

	Libraries	Version	Rationale
	Axios	Latest	Used to send requests from frontend to backend APIs
	Bootstrap	5.3+	Enables responsive web design.
	Nodemailer	Latest	Used to send booking confirmation notifications
	React Datepicker	Latest	Allows clients to select appointment date & time easily
	Mongoose	8+	Used to define schemas and manage MongoDB data
	JSON Web Token	Latest	Used for secure user and admin authentication
	Technology	Version	Rationale
	MongoDB	6+	NoSQL database to store data
	Express.js	4.18+	Backend framework used to create APIs
	React.js	18+	Used to build interactive user interfaces and dashboards
	Node.js	18+	Runs Javascript code on the server side
	HTML5	Latest	Define the Structure of web pages
	CSS3	Latest	Styling and layout design.
	JavaScript	ES6	Core Scripting Language

Table 4 Tool, Libraries and technologies

6. WORK DIVISION

Sr. No	Roll Number	Name	Role Assignment & Work Division
1.	089351	Sahrish Yaseen	Planning, Analysis, Design, Coding, Testing, Deployment
2.	089286	Mahnoor	Planning, Analysis, Design, Coding, Testing, Deployment

Table 5 Project Team Members Work Division

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