# Design and Implementation of an Online Appointment System for Barber Shops

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Abstract—Where time is of the essence, the requirement for service delivery becomes a pressing issue. The traditional barber shop systems are riddled with waiting lists and poor scheduling. This paper presents the deployment of a PHP-based Barber Shop Service Booking Application offering real-time appointment scheduling, queue status monitoring, service time estimation, customer analytics, and billing. The system enables barbers to schedule appointments, keep track of the number of customers, record services rendered, compute total sales, and create billing for chosen services. By the use of web technologies such as PHP, MySQL, and embedded tools for tracking data and reporting, this solution seeks to transform digital traditional salon operations by allowing effective and efficient user interaction.

Index Terms—Barber, app, salon, time, efficiency.

#### I. INTRODUCTION

The objective of this application is to establish a platform facilitating seamless communication between barbers and their clients. This endeavor aims to enhance the efficiency of barbers' schedules and consequently, save valuable time for their customers. Recognizing time as a precious commodity, we aspire to streamline the salon experience through the development of an

Web app dedicated to booking and inquiries

[1].s Users can register on the app and access realtime information about its current status. The app empowers users to reserve their seats and time slots remotely, eliminating the need to endure queues at the barber shop [2]. This

innovation adds a layer of convenience to individuals' lives by utilizing the latest and rapidly growing technology, Android [6]. Similar platforms discussed in recent literature [10][11] emphasize the importance of digitization in improving customer service and business management.

# **II. LITERATURE SURVEY**

Different systems exist to support salon booking and customer management today. Walk-in practices are not foresighted [1], whereas telephonic bookings are restricted due to human fault and unavailability [2]. Online booking websites such as Booksy [4] and StyleSeat [3] provide sophisticated scheduling but most are subscription-based or not optimized for local barbershops.

Additional studies [10][11][12][13] have proposed systems offering self-service queueing, GIS-based booking, and SMS/QR integration to support the transformation of traditional barbershops into efficient, tech-powered service providers.

# **III.RESEARCH METHODOLOGY**

To implement an efficient and user-friendly salon management system, a web-based platform was developed using PHP and MySQL. The system categorizes users into two roles: Barbers and Customers, each with distinct functions and access. Barbers can manage services, view appointments, and track earnings, while customers can register, search for salons, and book services online. The platform emphasizes real-time interaction, queue management, and automated billing [5][10].

A clean and responsive user interface ensures seamless navigation across devices, offering a digital upgrade to traditional salon workflows [6].

# © May 2025 | IJIRT | Volume 11 Issue 12 | ISSN: 2349-6002

# System Users and Responsibilities

1. Barbers (Admin Role):

- Register their salon and manage their profile.
- Add services offered, along with prices and estimated time.
- View bookings by date/time and manage queues.
- Track analytics such as customer count, services delivered, and total sales.

2. Customers:

- Register and login using a valid email.
- Search nearby salons by area.
- View available services, pricing, and estimated time.
- Book preferred time slots and receive confirmation.

• Get a final bill for the selected services.

User Interface Description

# a) Login Page

Customers and barber's login using their credentials. The login form requires:

- Email
- Password





# b) Admin/Barber Dashboard

Barbers can access a dashboard to:

- View today's bookings.
- See completed and pending appointments.
- Analyze revenue, services provided, and customer visits.

# c) Salon Search and Booking

Users can search salons by entering their area or using filter options. After selecting a salon, they can:

- View available time slots.
- Choose services with estimated time and prices.
- Book their appointment and view queue status.

SALONMGM	T SYSTEM	HOME	SERVICE LIST	CONTACT	BOOK APPOINTMENT	ADMIN
APPOINTMEN	T FORM					
Book your appointment to save s	alonnish					
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# IV. CONCLUSION

This article brings forth the successful deployment of an online barber shop service booking system that revolutionizes conventional salon operation. Developed through PHP and MySQL, the system efficiently solves fundamental problems like waiting times, invisible scheduling, and manual billing processes. Similar systems have been validated in studies [10][12][13] for improving operational efficiency and customer satisfaction. Through support for real-time appointment booking, estimation of services, tracking visits, calculation of total sales, and automatic billing, the software improves operational productivity as well as customer satisfaction.

# V. FUTURE ENHANCEMENT

- a. Google Maps Integration: Replace the static city-based salon list with dynamic location-based discovery using Google Maps API [4], allowing users to find nearby.
- b. Hairstyle Suggestions & Sharing: Introduce a feature where customers can explore trending hairstyles or receive personalized hairstyle recommendations based on face shape or preferences [11].
- c. Customer Loyalty & Promotional Offers: Implement a loyalty program where frequent customers can earn reward points or receive discount codes. Barbers can also run promotional campaigns through the dashboard.

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