Daffodil International University

Project Proposal on

Online Barbershop & Salon

Course title:

Software Engineering Design Capstone Project

Course code: SE-221

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1.1. Overview

1.1.1. Background

Searching out for the best barbershops or hair salons within your vicinity is a very tiresome task. Also, visiting a barbershop or salon without a prior appointment booking can keep you waiting in a queue thereby taking away your precious time. To solve this issue, we have developed an android & computer based barbershop website. By entering a location this website will generate a list of nearby barbershops & salons. Both the barbershop owners & users can access the website by registering themselves on the website by submitting the necessary details. The barbershop owners can update their profiles by adding photos & a list of services provided by them. The users can view the shops' profiles, photos & services, based on which they can book an appointment as per their desired time & date in their favourite shops. The users can also review & rate a shop through this webpage.

1.1.2. Objectives

Barber webpage is used for booking barber services through website. Admin is the authorized user who will verify Barber shop & its services. Admin can also block any barber account if needed. User can get a list of all the Barber shops nearby on Map and check and book its services. Barber can check the bookings and accordingly manage them. User can rate & review the shop & services.

1.1.3. Scope

The system comprises of 3 major modules with their sub-modules as follows:

1. **User:**

   - **Register:** User can register using personal details.

   - **Login:** User can login in his personal account using id and password.

   - **Profile:** User can update profile & change password

   - **Home:**

     - **Show Map** - With my location & nearby barber shops

       - change location

   - **Barber Shop:**

     - Shop Details

     - Services

     - Reviews & Ratings

     - Select date & time & book

   - **Bookings:**

     - All bookings - Filter by date/status

       - Cancel if not accepted

   - Notification – Booking status updated by barbershop

- **:** Barber can login his account using id and password
- **Profile:** Update profile & change password
- **Home:** Check new request (if any)

2. **Barbershop:**
   - **Register:** Barber can register using personal details & shop details such as upload photos & update location
     - **Login** Check Details
     - Accept/Reject Request
   - **Services:** Add/update/delete/view services
     - Add service details, price & photo
   - **Bookings:** All bookings - filter by date/status
   - **Feedback:** Reviews & Ratings
   - **Notification:** New request & Admin action on barber account

3. **Admin**
   - **View new Request -** View all shop details & services
     - Accept/Reject
   - **View Shops -** View all shop details & services
     - Block/Unblock
   - **View User -** view user details

1.1.4. Assumptions and Constraints

To use this system, the user must use a computer or smartphone. Those who will develop the system need to simplify the system interface so that any user can use it. They will see hairdressing shops in their nearest location. And they can easily book everything through mobile or computer. Since the website is fully prepared in Bengali and English, it will be very easy for any user living in Bangladesh or coming from outside Bangladesh to use the website. Only registered users will be able to use this website and after using the website or once the booking process has been completed from the website, ratings about user's haircut shops or can give reviews. They will be able to book any shop at the nearest location from home without any hassle and without wasting time and the user will no longer have to worry about getting a haircut in his busy life.

1.1.5. Dependencies and Risks

Since this system is web based, this system can be hacked by anyone for any reason. And security is used in the system so that no one can hack this system. Since all the information in this system is stored in a database, if the system is hacked for any reason, then the users have to be harassed in various ways with the leaked information. The saloon booked by one user can be booked by another in his own name. This can disrupt the normal life of the users using the system.

Advantages

- User can rate & review the shop as well as the services after a service has been taken.
- Shops can be viewed on Maps as well as list.
- The shops are verified by the Admin.

Limitation/Disadvantages

- Internet Connection is mandatory. Incorrect data entered may lead to breaking functions

1.2. Project Delivery

1.2.1 Deliverables

The following contents will be delivered with the project:

a) Project CD
    i. Project Demo
    ii. User manual along with Tutorial

b) Documentation

1.2.2 Timescales

The time frame for implementing the project is given in Figure 1.2.1.

1.2.3 Work Distribution

The work distribution of the project is given in Table 1.2.1.

1.2.4 Project Resources

The resources required to finish the project is given in Table 1.2.2.

Duration										
		7 days	7 days	7 days	7 days	7 days	7 days	7 days	7 days	7 days
Project Proposal		🟩								
SRS			🟩							
Designing				🟩	🟩	🟩				
Coding							🟩	🟩		
Testing									🟩	
Finalizati ɔn										🟩

Figure 1.2.1: Time frames for project implementation

Project Proposal	Sabbir Ahmed	7days
Software Requirement Specification	Sabbir Ahmed	7 days
Software Design	Sabbir Ahmed	21 days
Coding	Sabbir Ahmed	14 days
Software Testing	Sabbir Ahmed	7 days
Project Finalization	Sabbir Ahmed	7 days

Table 1.2.1 Work Distribution

Hardware Requirements		
Processor	**RAM**	**Hard Disk Space**
Pentium II or higher	64 Mb or higher	128 Mb or higher
Software Requirements		
Operating System	**Database**	
For user no specific OS is required. The server machine must have Windows XP/Vista/7 framework 4 and IIS.	SQL Server 2008 along with .NET	

Table 1.2.2 Project Resources

1.3. Summary

By using this system we will be able to make the most of the time we need. Not only this, in the busy life time you don't have to wait for the amount of time you have to wait in the hairdressing shop to get a haircut and shave. Users will be able to book in advance at their nearest hairdressing salon as per their requirement from home and they will be able to get their hair cut on time. In addition, without wasting the time required by standing in the extra line, the user will be able to cut the hair through the date and time , thus preventing the disruption of his normal life. The location of all the hairdressing shops in the vicinity of the user within five kilometers will show according to the location of the user. Users will be able to book in advance by selecting the nearest or preferred location. And they will perform all types of transactions in cash.

1.4. References

1. https://www.pinterest.com/joelbenitez54/barber-shop-website/