

A WEB-BASED GENTS PARLOUR MANAGEMENT SYSTEM

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This Report Presented in Partial Fulfillment of the Requirements for the
Degree of Bachelor of Science in Computer Science and Engineering

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APPROVAL

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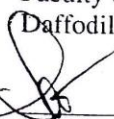
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Finally, this Project report would not have been possible without the dedication and contribution of my friends. Their valuable contribution is what made this Project report possible.

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DECLARATION

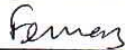
We hereby declare that, this project is under the supervision of **Nazmun Nessa Moon**, **Assistant Professor, Department of Computer Science & Engineering** of Daffodil International University. We also declare that neither this project nor any part of this project submits elsewhere for award of any degree or diploma.

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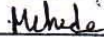
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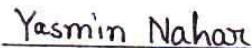


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ABSTRACT

This project titled “A Web-based Gents Parlour Management System” is fully responsive parlour management application with appointment scheduling functionality. In this system user can make appointment in online. Because of responsive design, all device like desktop, laptop, mobile will support this application properly. Using this application customers can see all the services of gents parlour shop. Then they can choose their service which they want. For taking services they will book an online appointment as their free time slot. This application also provide customer to buy beauty instruments through online. Customer can buy their desire product in online .Then admin has the authority to access all appointments and all orders that customers placed. Admin can confirm pending appointment and send notification to customer. He has also manage all the orders from customers. When booking an appointment from customer they can also select stylist whose they want to get service. The basis of the project is make the people sense that nowadays all services are going to ICT based, so in the sector of parlour management it should be applied for every people for their welfare. We think it will become more comfortable for every user.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

Now a day's we are living at the age of ICT era. We can see the influence of ICT in every sphere of our life. We cannot think a day without it. It becomes a part and parcel of our everyday life. It is gradually increasing day by day. For cope with ICT age we need to develop our old system by new method. For this reason we make a website which for gents parlour management system. This application is providing service for those customers who are interested to increase their beauty and those who are conscious their health. Its purpose is to provide service facility to our customer by the easiest way we can. In this project, all the system is controlled by admin. Customer can contact us our admin if he has any query. It will give the various services for the gent. For every parlour management shop this online booking system may be play a important role. Any Parlour or salon shop can be used it to develop their strategy for to cope with modern world. To cope with technology in parlour management system this application will be very important.

1.2 Motivation

The traditional system of parlour shop was manual and insecure because there was no use of technology. Customers coming in the shop which creates sometimes major issues. Here he can lost his valuable time if he doesn't get the free serviceman by which he can take service. In this case customer time and money both will loss. He has to wait for taking service. If customer can book online for his service with his selected time then there is no loss of money and time for customer. Hence, proposed system is the best solution of avoiding all these problems. There is no difficulty of maintaining all the appointment because of there have been specific time slot for every customer.

1.3 Objectives of the software

- To get all gents parlour service in this application.
- To buy product of beauty instruments.
- To save money
- To prevent the waste of time.
- To provide reliable, latest and helpful services for every user.
- To interact between stylist and customer.
- To provide online confirmation by admin.

1.4 Expected Outcome

We will get an application where anyone can easily find their demandable stylist and take service by don't facing any difficult situation. There will be details about stylist. There is also included the stylist category. All Booking is confirmed by admin who can play vital role between customers and stylists. After taking service customer will get billing report that what service he had taken and also provide order details if he had placed any order.

1.5 Report Layout

Chapter 1: Introduction

Motivation of work, objectives of this application and the expected outcome have discussed in this chapter. Later follow by the report layout.

Chapter 2: Background

We have discussed about the background circumstances of our application. Related work, comparison to other candidate systems, the scope of the problem and the challenges of the project is discussed in this chapter.

Chapter 3: Requirement Specification

This chapter is all about the requirements like business process modeling, the requirement collection and analysis, the use case model of the project and their description, the logical relational database model and the design requirements.

Chapter 4: Design Specification

All the designs of the project is discussed in this project. Front-end design, back-end design, interaction design and UX and the implementation requirements.

Chapter 5: Implementation and Testing

This chapter construct with the implementation of database, implementation of front-end designs, implementation of interactions, testing implementation, tests results and reports.

Chapter 6: Conclusion and Future Scope

In conclusion chapter we have discussed about the conclusion and the scope for further developments, which is derived pretty much about the project.

CHAPTER 2

BACKGROUND

2.1 Introduction

Now a days people are more concern about their health and beauty. Especially they are much concern about their face beauty. A customer who wants to increase his beauty might go to beauty parlour. Modern days people remain very busy of their work. To get parlour service people might visit a walk-in parlour and trying to find his regular stylists. For other kind of service, people want to this service in by appointment. Traditional reservation of a parlour system that customer have to go to the parlour for making schedule which service he wants to take. But Online reservation systems he had no need to come, by using internet he will simply appointment his schedule that which time he wants to take service from our stylists.

2.2 Related Works

These days, there are many who are interested working on the field of gents parlour management system. The aims to support people and develop our services for people. There some gents parlour related application in our country. But unfortunately they don't focus on online reservation system. They will maintain their service in traditional system by which people have to go their parlour and then schedule their appointment. If they cannot get their specific stylist they have to wait for this stylist. It hampers our valuable time. Therefore, that is why we are very much interested to do this project. Here we charted few indexed websites those we have obtained after long inquiring.

1. MENZ CROWN [1]
2. GROOMING LOUNGE [2]

2.2.1 MENZ CROWN

Men's Salon and Spa service is provided by Menz Crown which are situated in Dhaka, Bangladesh. They give you similar services which we give in our application but there is

no online booking system which we provide in our application. Figure 2.1 show the screenshot of menz crown website.



Figure 2.1: Menz Crown in Bangladesh

2.2.2 GROOMING LOUNGE

Grooming Lounge is another men's beauty parlour in Bangladesh. They have also give different service to men. They have also followed traditionally booking system which menz crown is maintain. Figure 2.2 show the Grooming Lounge website front-page screenshot.

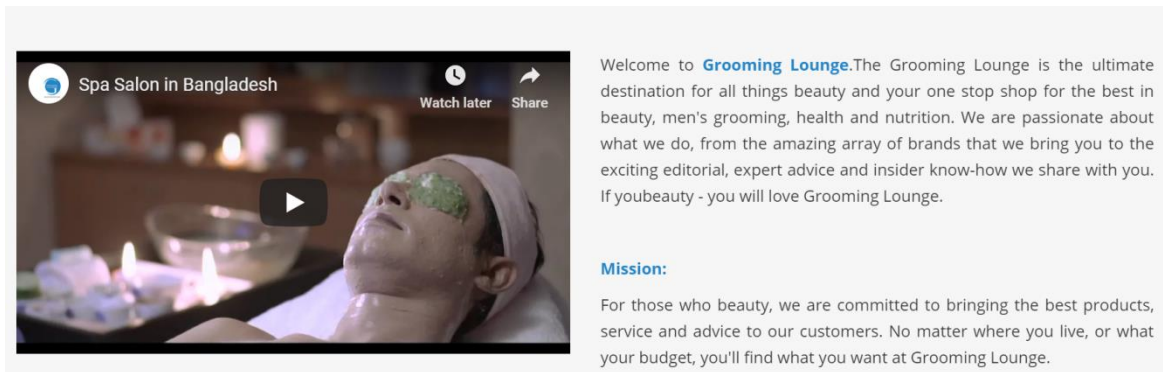


Figure 2.2: Grooming Lounge in Bangladesh

2.3 Comparative Studies

By seeing the website of men's beauty we wanted to make this project because we think that these website have not fulfill our requirement. After that, we started to learn about

parlor management. After some days we discovered that every parlour management project are similar feature. However, we think that we will make this for our customer or any private parlor shop in our country. For making this project we study about online reservation system how it is worked and what would be the benefit of this feature. For taking preparation we are focused in our coding and last learn php [3]. In our project we have to major portal. One is customer and another is admin. In frontend section user can do free registration. After login they can login separately for booking a reservation. In backend section admin can done all the work for changing frontend and interact with user. Therefore, we think it is be an anticipated project for those customer who are eagerly wanted to take service from any beauty parlour. It will be helpful for any customer. Here in table 2.1 show that comparison between our work and other work.

TABLE 2.1: Comparison among current competitors.

Comparison Point	Above two Website	Our Website
1. Online Booking	These two have no online booking systems	Our application has online booking systems
2. Sell Product	These two website has no product sell feature	Our application has sell product feature

2.4 Scope of the Problem

This application is based on web-based. Now web-based project is largely used for developing application. So, there are many developers who are working for making web-based project. And this thing was not only noticed by me. This has been noticed by many people. So, there are many people trying to solve this problem. But most of the application does not fulfill all the requirements of the needs. There will be always a limitation in the world of technology.

Most of the current application is not user-friendly or have some limitations. That's why We planned to develop this gents parlour application where a customer and stylist can interact when customer can take appointment by booking.

2.5 Challenges

This application was not easy for us as we were beginner in web developing sector. So, there were challenges in every step of our work. Some of the challenges are like,

- We were not very good in programming. So, it took a lot of time to learn PHP and start this project [4].
- We were not strong of database complex query, it is the challenge for us to write multiple SQL query [5].
- Products buy section by customer is one of the challenging part of us.
- There was already some application with similar idea. So, We had to come up with ideas that those application didn't have.

CHAPTER 3

REQUIREMENT SPECIFICATION

3.1 Business Process Modeling

Graphical representation of any company's business and workflows is called business process model. To identify essentials improvements it is very important. This is implanted by many graphing method like flowchart, data-flow diagram etc [6]. Figure 3.1 show flow chart of our application. Our application has two module, one module is controlled by customer and another model is controlled by admin. To book and appointment customer must be registered. If customer is registered then customer can login by his account. After login, customer can do his appointment at his selected time. If appointment task is done by customer then appointment booked successfully or customer will redirect appointment section. In backend Admin will login his account and go to appointment section. If finding an appointment which status is pending then he confirmed appointment or redirect the appointment section.

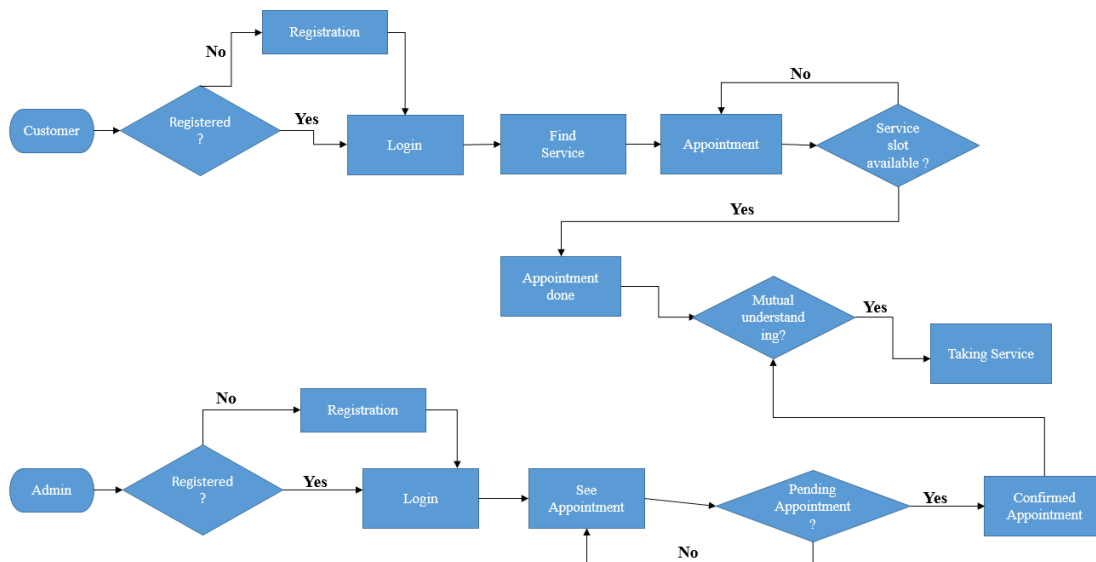


Figure 3.1 : Business Process Model

3.2 Requirement Collection and Analysis

A web-based application need many things to fulfil any project. Requirement could be two ways one is hardware based and another is software based. To finish this project we have to need many time and logic. To fulfil my project we have need many application which given below :

- Coding languages
 - HTML
 - CSS
 - BOOTSTRAP
 - JAVASCRIPTS
 - JQUERY
 - PHP
- Software IDE
 - Sublime Text
- Hardware
 - PC/Desktop
 - Keyboard
 - Mouse

Analysis

We make this application for the welfare our customer in the sector of those people they are concern about their beauty. In few years before gents are not conscious about their health especially about their beauty. But in the twentieth century alongside with female male are widely interested to keep their beauty. To analyze this we planned to build an application which is very important for male who are much concern about their beauty.

3.3 Use Case Modeling and Description

Use case diagram is the representation of a user interaction with the system. It shows the relationship between user and different use cases of users which he involved [7]. In our use case model we have two actor one is customer and another is admin. Customer has many use cases and admin has also many use cases. Figure 3.2 show the use case diagram of our application.

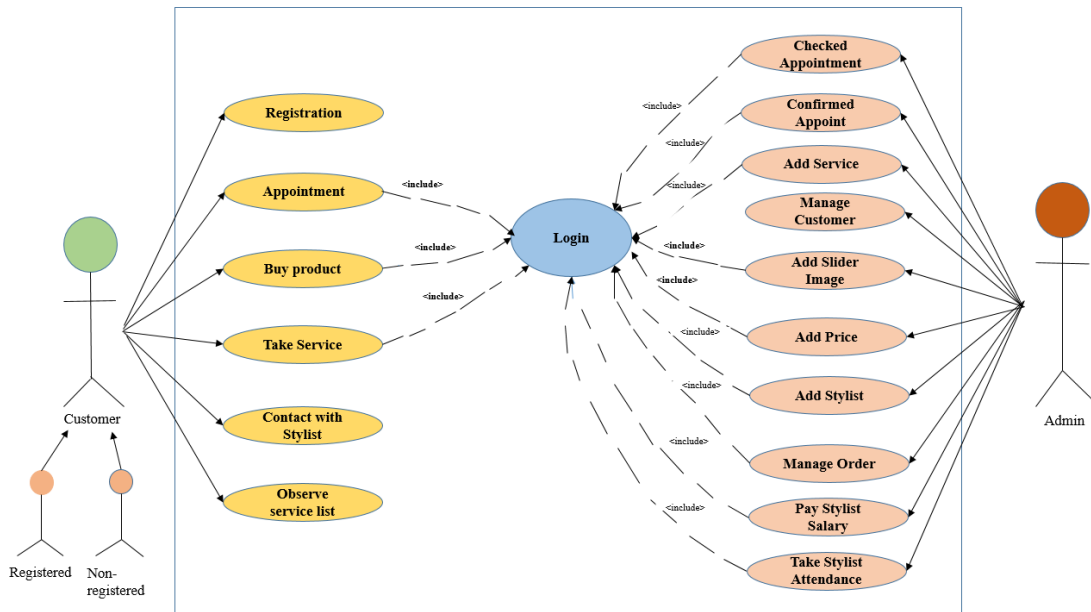


Figure 3.2 : Use Case Diagram

Use Case Description

Table 3.1 to 3.7 describes the use case diagram of our application.

Table 3.1: Use case description of Appointment

Use Case	Appointment
Primary Actor	Customer
Secondary Actor	Null
Pre-Condition	Login
Scenario	Valid Username Valid password
Post Condition	Login Successful and go to appointment page

Table 3.2: Use case description of Registration

Use Case	Registration
Primary Actor	Customer
Secondary Actor	Null
Pre-Condition	Null
Scenario	Valid Name Valid Email Valid Phone no Valid Address
Post Condition	The systems displays the appointment page

Table 3.3: Use case description of Login

Use Case	Login
Primary Actor	Admin
Secondary Actor	Null
Pre-Condition	Registration
Scenario	Valid Username Valid Password
Post Condition	The systems will take admin dashboard page

Table 3.4: Use case description of Checked Appointment

Use Case	Checked Appointment
Primary Actor	Admin
Secondary Actor	Null
Pre-Condition	Login
Scenario	Click appointment module See All the appointment
Post Condition	The systems will checked pending appointment

Table 3.5: Use case description of Confirmed Appointment

Use Case	Confirmed Appointment
Primary Actor	Admin
Secondary Actor	Null
Pre-Condition	Login
Scenario	Login account Book Appointment
Post Condition	Appointment booked

Table 3.6: Use case description of Add Service

Use Case	Add Services
Primary Actor	Admin
Secondary Actor	Null
Pre-Condition	Login
Scenario	Login Account Service module
Post Condition	The systems will added service successfully

Table 3.7: Use case description of Add Price

Use Case	Add Price
Primary Actor	Admin
Secondary Actor	Null
Pre-Condition	Login
Scenario	Login Account Price module
Post Condition	The systems will added price successfully

3.4 Logical Data Model

In our application logical data modal consists of some relational table named home_banners, shop_address, abouts, gallery, special_services, sliders, services, prices, roles, barbers, customers, appointments. All relational model has showed in figure 3.3.

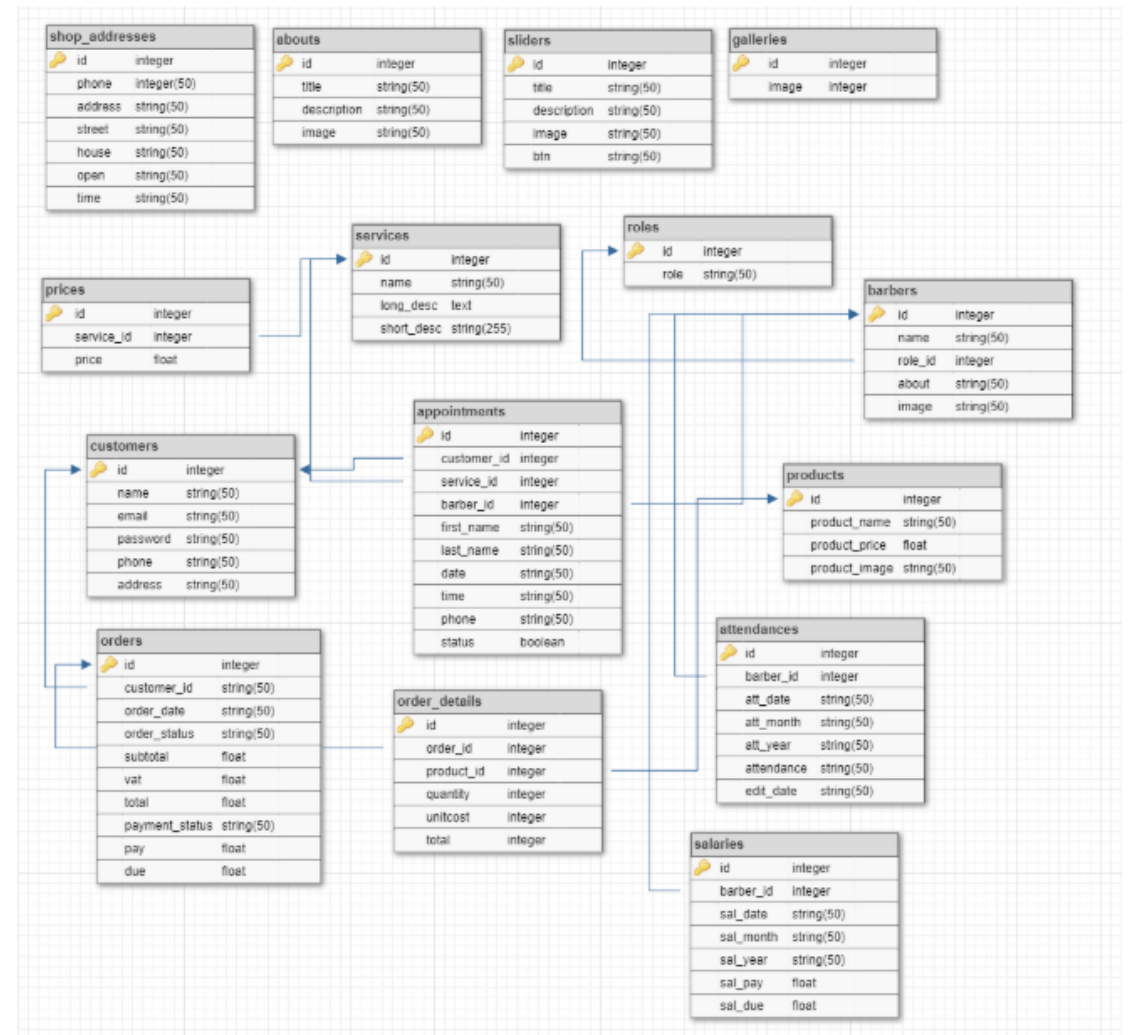


Figure 3.3 : Relational Data Model

3.5 Design Requirements

Html

Html abbreviation is Hypertext Markup Language. It construct the structure of web pages. Html elements is represented by many tags. There is no other alternative language for HTML. In our application we have used html version 5 which is compatible with all latest version of browser [8].

CSS

CSS abbreviation is Cascading Style Sheet. It take the responsibility to do the design of any website. Without CSS every web pages will have only plain text which are not interactive and attractive to user. For designing purpose we used CSS3 version to develop our application [9].

Bootstrap

Bootstrap is library which constructed with HTML, CSS and JAVASCRIPTS. Bootstrap is used for making design responsive and do frontend design quickly. Bootstrap is compatible of every latest browser. It make frontend design very simple. In our application we have used bootstrap4 version. Bootstrap will update day by day [10].

JavaScript

JavaScript is used for making website interactive for user. JavaScript is the core technologies in the world wide web alongside with HTML and CSS. Now a days every website is use it. This programming language is also compatible all the latest browser. We also use JavaScript to make our website interactive for user [11].

JQuery

JQuery is the library of JS. JQuery is the compact version of JQuery. Using JQuery we can do work more efficiently. It is easy to learn. We can be done DOM manipulation by JQuery. Event handling is also done by JQuery. In our project we also use some JQuery code also [12].

PHP

PHP stands for Hypertext Preprocessor. It is a server side programming language which is mostly used for web development. It is also use general purpose programming language. PHP code is written into any part of HTML code. It is also called the server side programming language. It is widely used language all over the world. In our backend code we use PHP language for developing our website.

PhpMyadmin

To handle the administration of MySQL or MariaDB with the user of a web browser we need PhpMyadmin. It is free and open source which is written in PHP. Creating, modifying or deleting database, tables, fields or rows is the main task of it. For this it can executing SQL quires. It is supported for most MySQL feature. It is easier to navigate. It can execute, edit and bookmark any SQL-statements, even batch-quires. From here we can import data from CSV and SQL import also do. In our application we use phpMyadmin.

Laravel

Laravel is a very popular MVC PHP framework. It is designed for developers who need to make a full feature web-based application easily. It save anyone's lot of time who are interested to develop a website from scratch. To develop our project we have also used laravel [13]. In this project we used laravel 5.7 version.

CHAPTER 4

DESIGN SPECIFICATION

4.1 Front-end Design

When customer visit any website and which part they see that is called frontend design. In every website frontend design plays a vital role for any levels of user. It refers the development which is done for client side. Developing a easy, simple and understanding front-end or Graphical User Interface is very important for any application. It should be user friendly by which user can interact this application very smoothly. For reminding better experience for user, we want to keep our design very simple and easy but attractive. But In the development sector, it was not too easy. Our application front-end design is given below.

4.1.1 Home Page

Our application first front-end page is home page. Its interface is very beautiful and easy to navigate. In our home it has multiple section. Slider section, about, services, plan & pricing, hair stylists and gallery section is available. In figure 4.1 show the home page slider section.

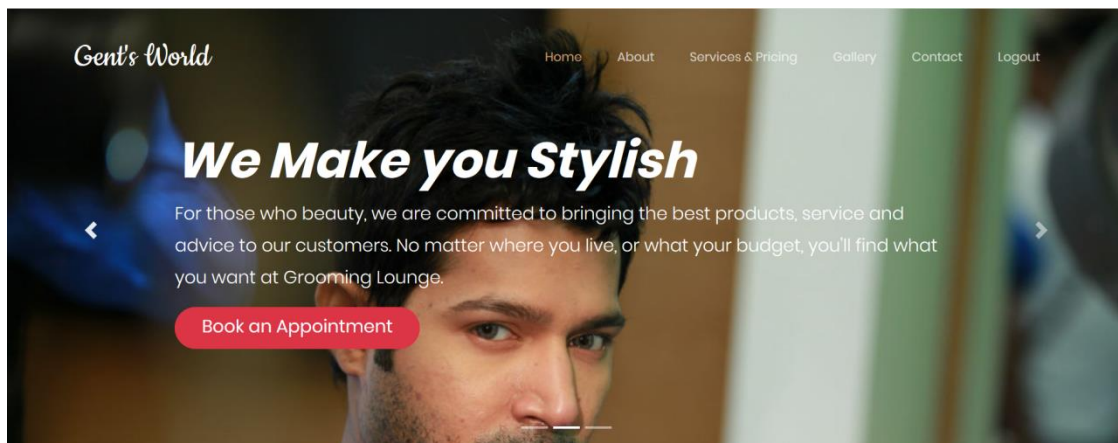


Figure 4.1: Home page Slider

4.1.2 All Services

In our website, user can see our all services which we provided in our parlour for man. They can sell all the service and booking any of this this service they wish. This service section will maintain by admin in backend side. Figure 4.2 all the service which we provide our beloved customer.

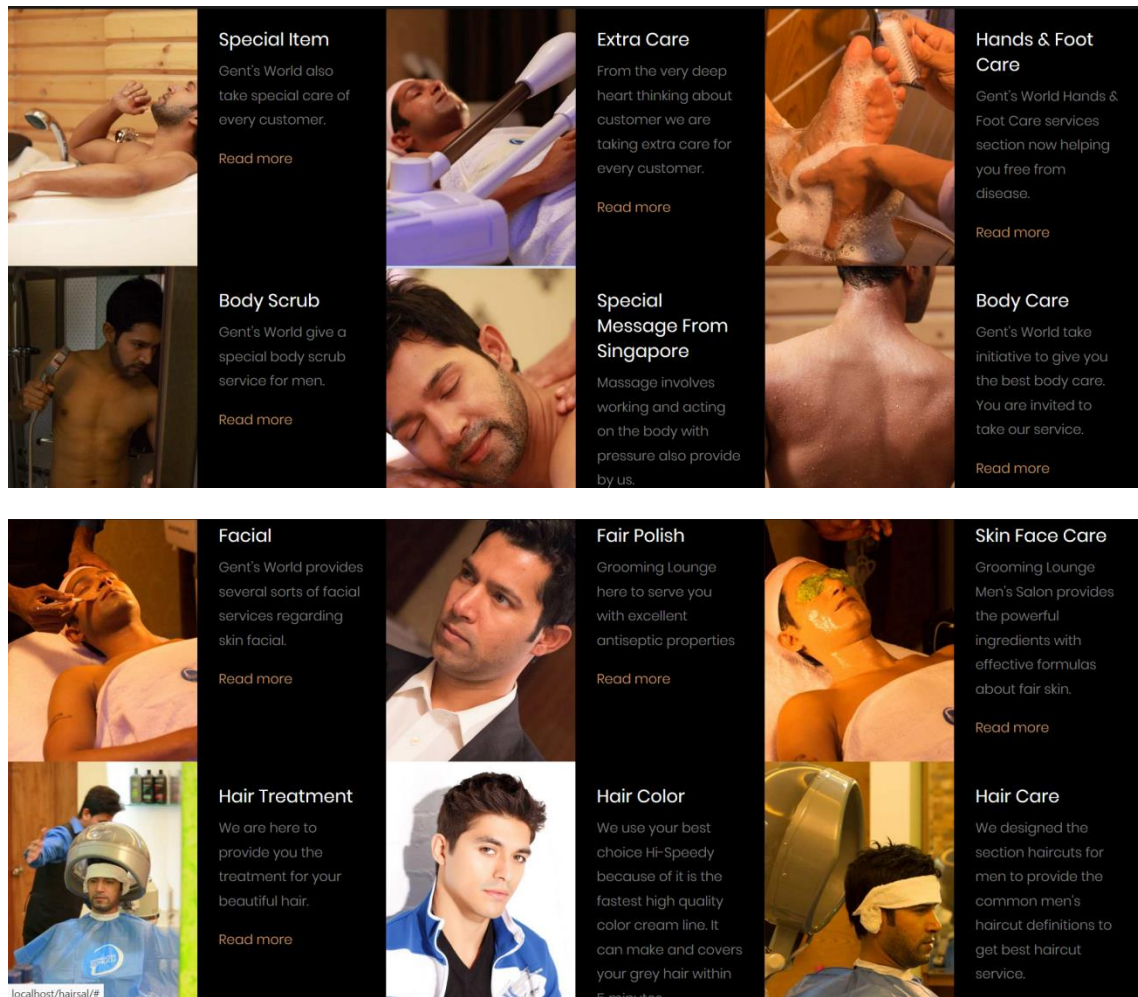


Figure 4.2: All service

4.1.3 All Stylist

We have provide experienced and expert stylist for our gents parlour. We have many category wise stylist like Hair specialist, Bread Specialist, Face stylist, Body stylist and many more. Figure 4.3 show our stylist list of our parlour.

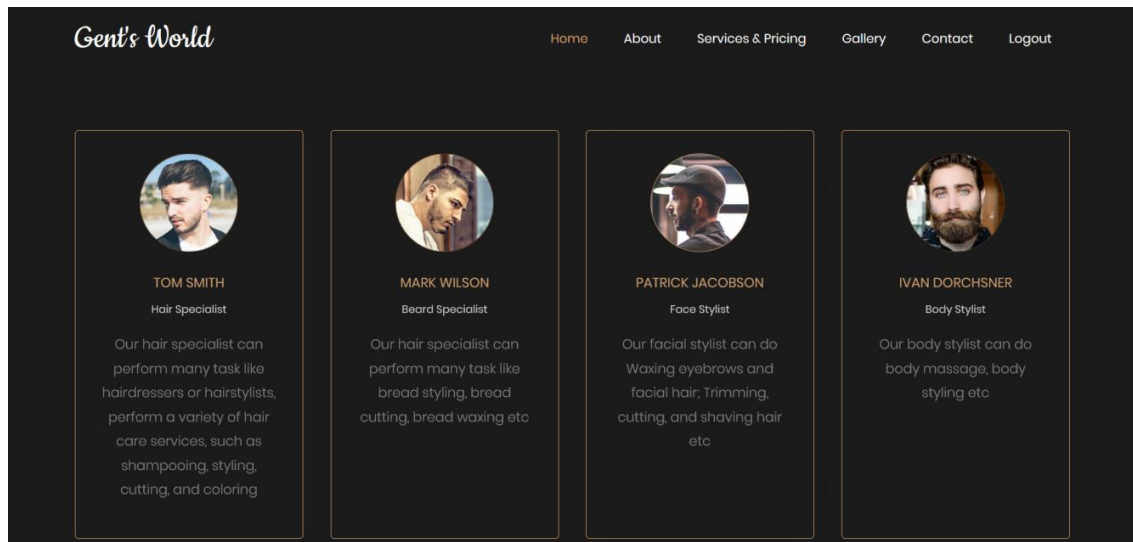


Fig 4.3: All stylist

4.1.4 All Product

To see about our all product we have a product section. Here all latest product is available. Customer will buy product through online. Figure 4.4 show the small portion of product sections.

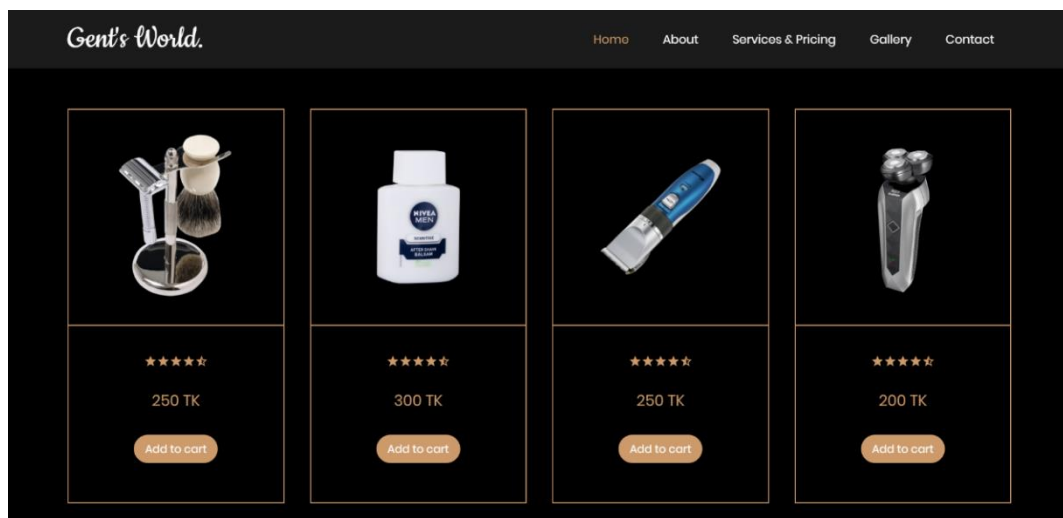
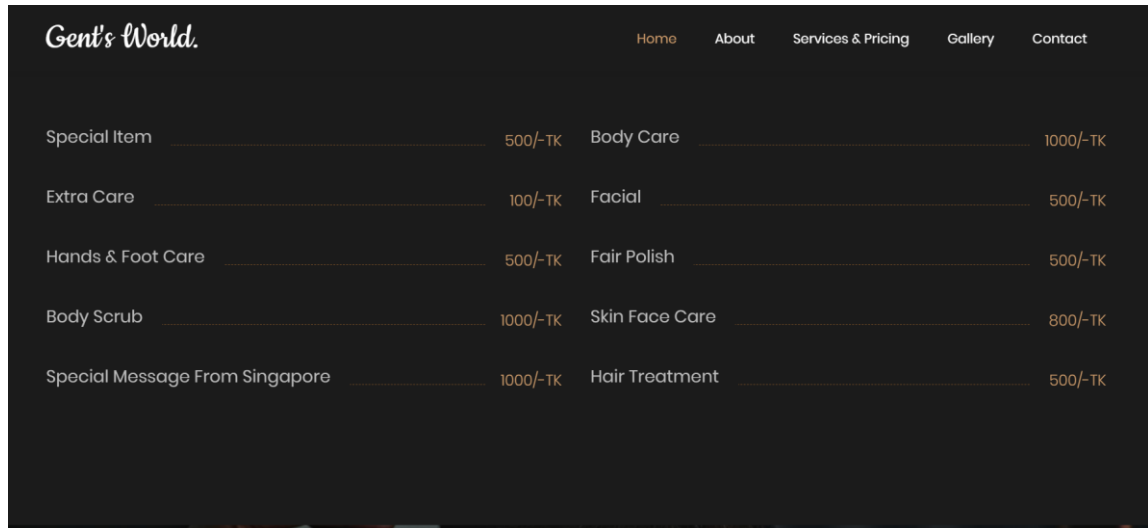


Fig 4.4: All Product

4.1.5 Service and Pricing Page

We have lot of services provide for customer and each service has attractive price.

Figure 4.5 show the price list for all the services which we provide for customer.



The screenshot shows the 'Gent's World' website with a navigation menu (Home, About, Services & Pricing, Gallery, Contact) and a price list table. The table lists various services and their prices in TK.

Service	Price	Service	Price
Special Item	500/-TK	Body Care	1000/-TK
Extra Care	100/-TK	Facial	500/-TK
Hands & Foot Care	500/-TK	Fair Polish	500/-TK
Body Scrub	1000/-TK	Skin Face Care	800/-TK
Special Message From Singapore	1000/-TK	Hair Treatment	500/-TK

Fig 4.5: Service Price List

4.1.6 Gallery Page

In our website we also provide our gallery image. In this section we will show the image to the customer that which type of work we do. Figure 4.6 show the all gallery image of our application.

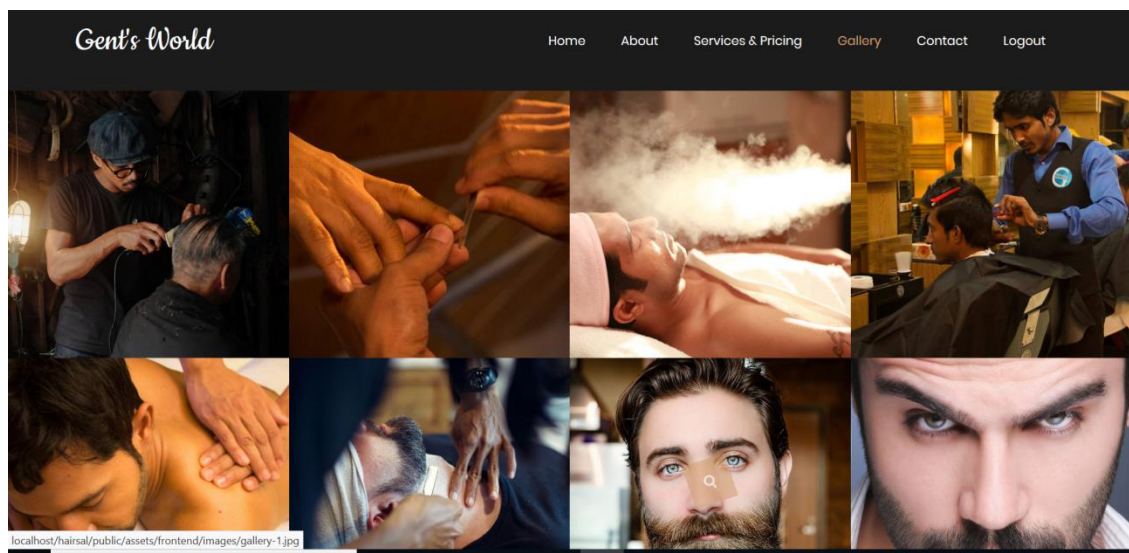


Fig 4.6: Gallery image

4.1.7 Contact Us Page

If customer can contact through our website, it is also possible. We have a contact page by which user can send message to admin. Figure 4.7 show our websites contact page.

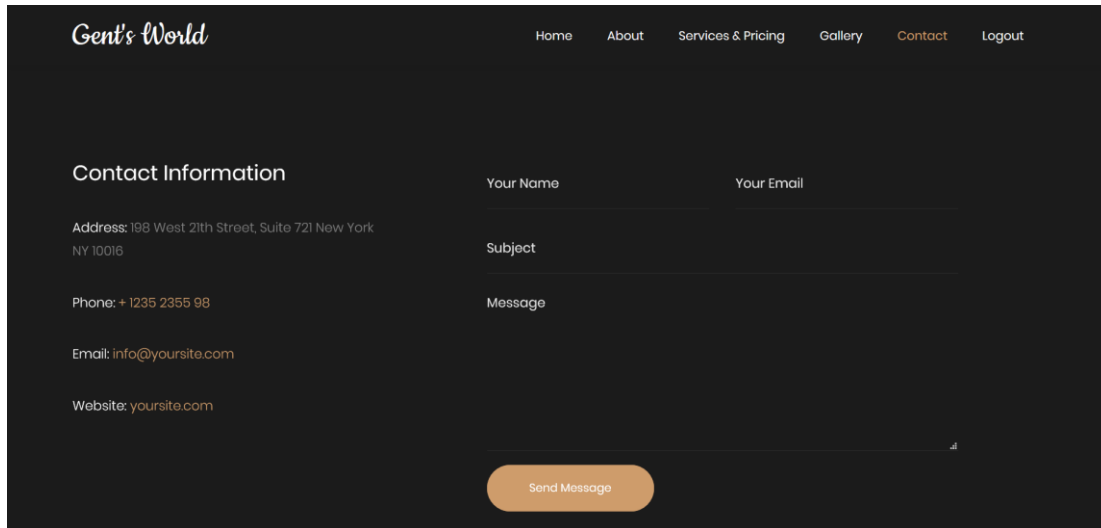


Fig 4.7: Contact us

4.1.8 Appointment Page

It is the most important part of our website. When user want to appointment a booking then he must go to our appointment page and fill up with some specific information and book an appointment in free time slot which he want. Figure 4.8 show appointment page.

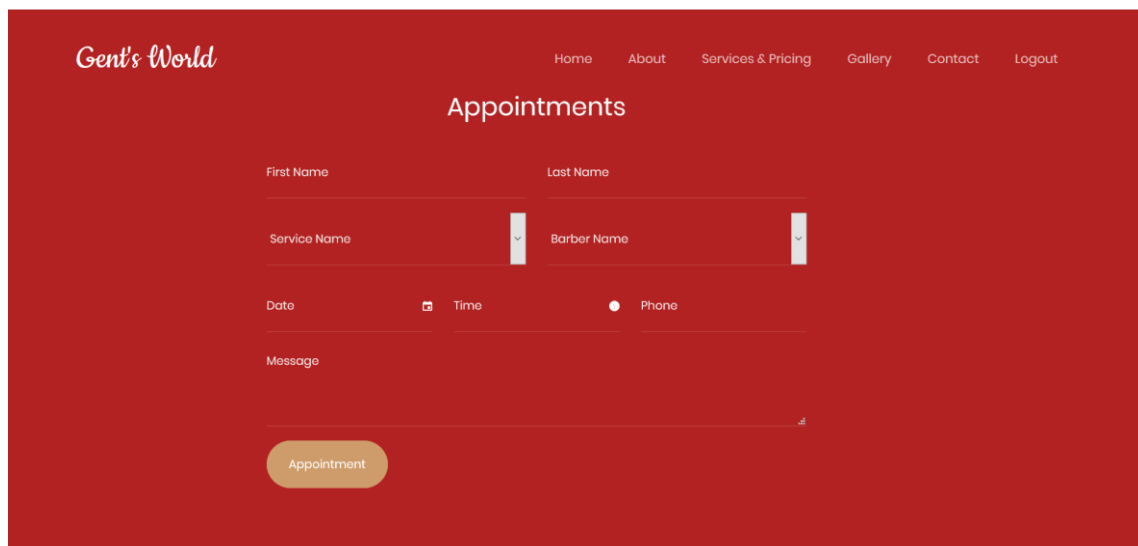


Fig 4.8: Appointment

4.2 Back-End Design

Admin Panel

Backend design is the design which user cannot see. Backend design will control by an admin. In our application backend is controlled by admin. To control backend first admin have to login our application by which he can access admin dashboard. In figure 4.9 show the login page of dashboard.

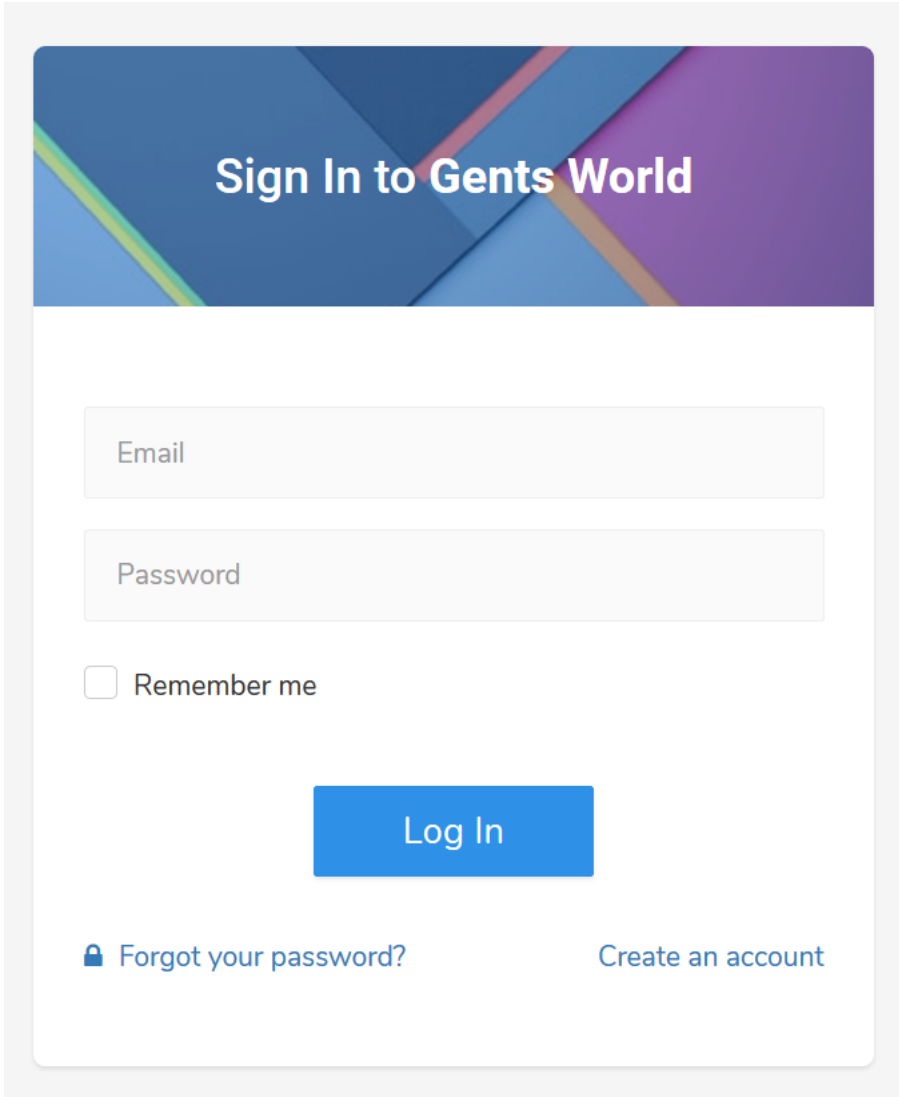
The image shows a login page for 'Gents World'. At the top, there is a header with a colorful geometric pattern in shades of blue, purple, and green, containing the text 'Sign In to Gents World' in white. Below the header is a white login form. The form contains an 'Email' input field, a 'Password' input field, and a 'Remember me' checkbox. A blue 'Log In' button is centered below the input fields. At the bottom of the form, there are two links: 'Forgot your password?' with a lock icon and 'Create an account'.

Fig 4.9: Admin Login

Admin can do all the backend work of our application. Admin is the person who can view frontend and backend of our website. Some task will give below which task admin will do.

- Add and Delete Banner
- Add and Delete Shop Address
- Add and Delete Service
- Add and Delete Slider Image
- Pay Stylist Salary
- Take Stylist Attendance
- Add and Delete Stylist
- Create Customer Bill Report
- Manage all Product Order
- Add and Delete Price
- Confirm Appointment
- Contact Customer

4.2.1 Admin Dashboard

Admin dashboard is the page where admin can see the all overview of our application. He can see all the appointment and all pending appointment of our website and many more.

Figure 4.10 show the dashboard screenshot of our application.

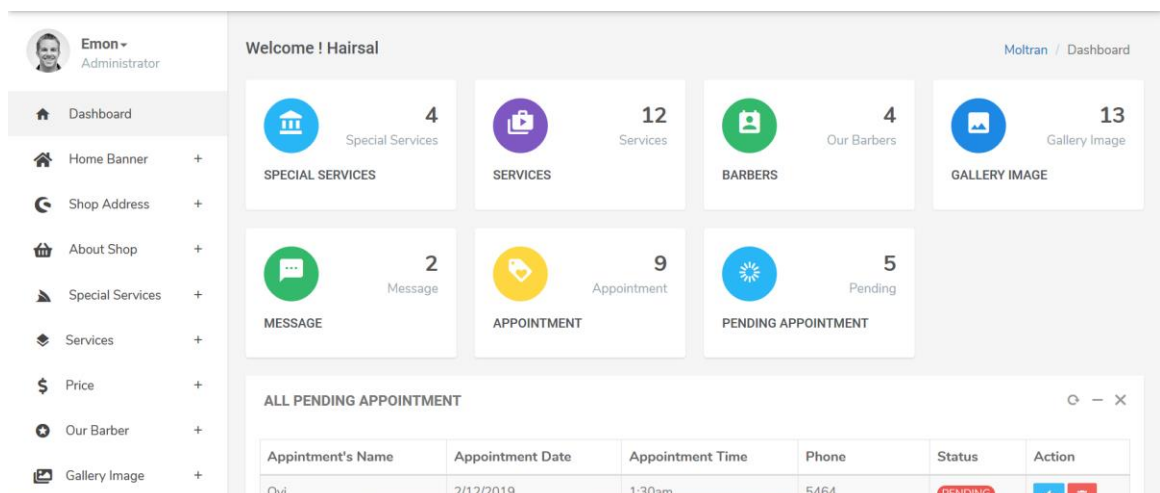
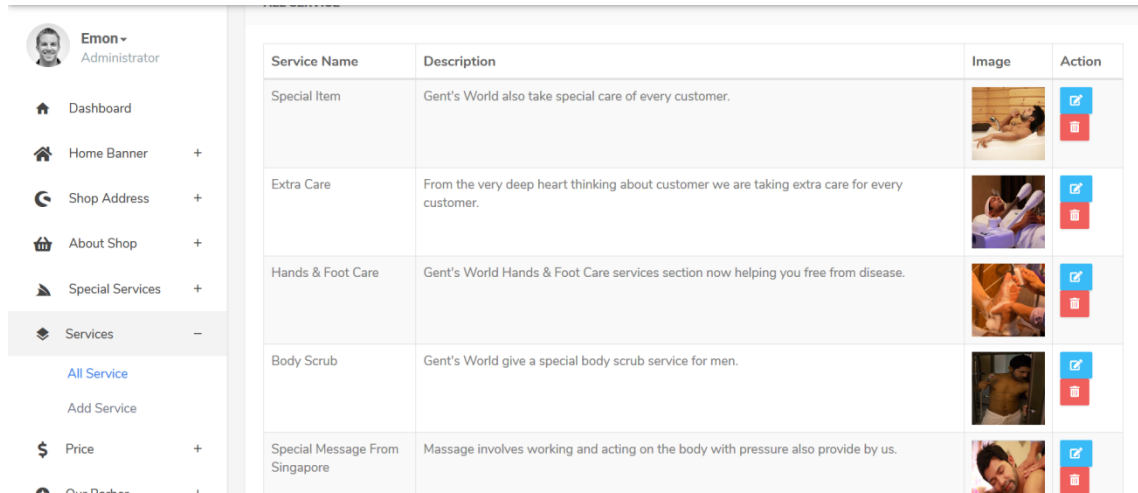


Fig 4.10: Dashboard

4.2.2 All Services

Figure 4.11 show the all service which we provide to our customers in backend side. Admin can also edit and delete all this service section.


















Service Name	Description	Image	Action
Special Item	Gent's World also take special care of every customer.		 
Extra Care	From the very deep heart thinking about customer we are taking extra care for every customer.		 
Hands & Foot Care	Gent's World Hands & Foot Care services section now helping you free from disease.		 
Body Scrub	Gent's World give a special body scrub service for men.		 
Special Message From Singapore	Massage involves working and acting on the body with pressure also provide by us.		 

Fig 4.11: Services in Backend

4.2.3 Add Services

Admin can added service in the admin panel. If admin added service in backend is shown frontend by user. Figure 4.12 show the add service section in backend.

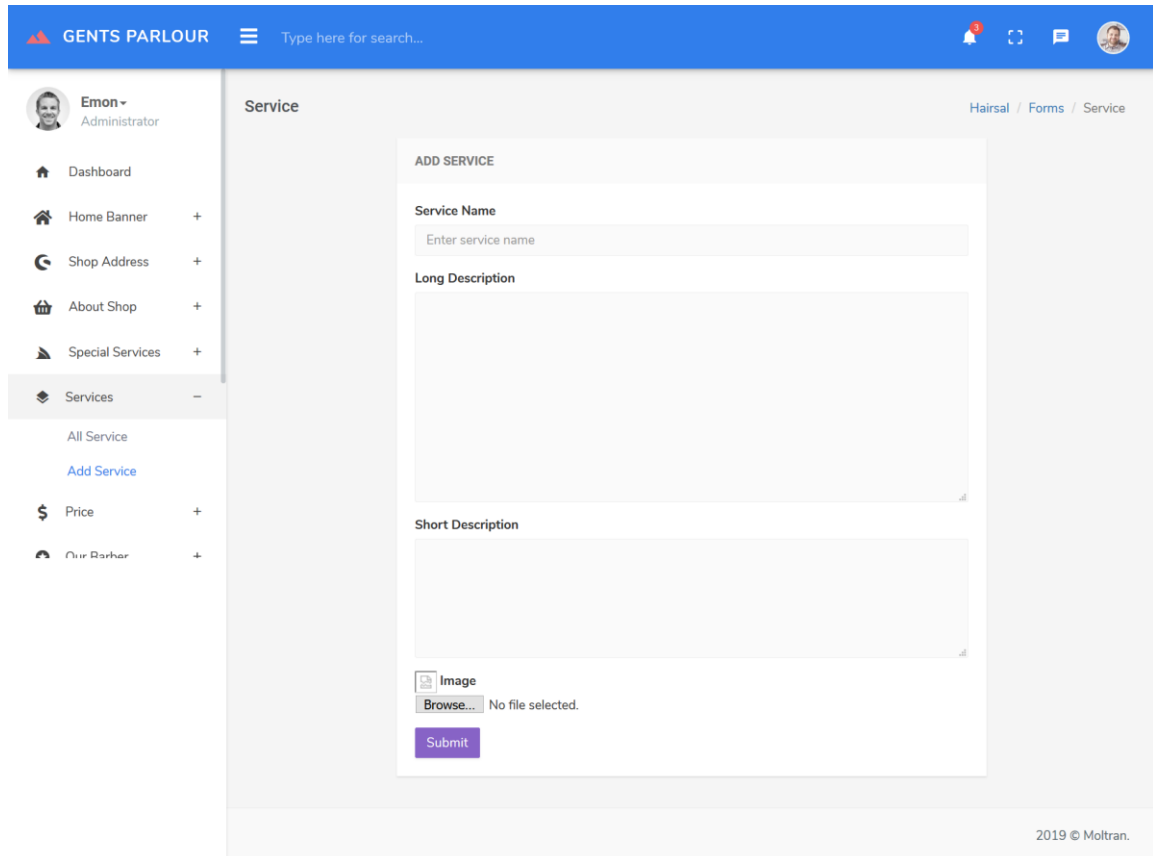
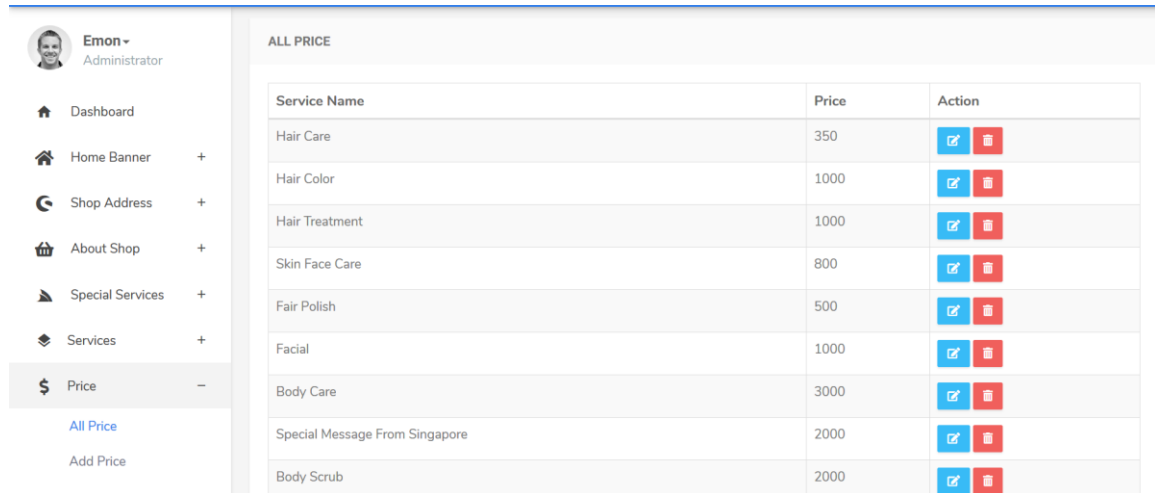


Fig 4.12: Add Services in Backend

4.2.4 All Price

Admin can control all the price list of our application. He can also edit and delete of this price list. Figure 4.13 show all the price list.



The screenshot displays the 'ALL PRICE' management page. On the left is a sidebar with the user profile 'Emon - Administrator' and a menu including Dashboard, Home Banner, Shop Address, About Shop, Special Services, Services, Price (selected), All Price, and Add Price. The main content area contains a table with the following data:

Service Name	Price	Action
Hair Care	350	Edit Delete
Hair Color	1000	Edit Delete
Hair Treatment	1000	Edit Delete
Skin Face Care	800	Edit Delete
Fair Polish	500	Edit Delete
Facial	1000	Edit Delete
Body Care	3000	Edit Delete
Special Message From Singapore	2000	Edit Delete
Body Scrub	2000	Edit Delete

Fig 4.13: All Price in Backend

4.2.5 All Appointment

When customer will book and appointment by taking our services. All appointment booking is controlled by admin. Admin can see all the pending appointment. When customer will confirm appointment then admin also confirm customer appointment. Figure 4.14 show all appointment list of our application.



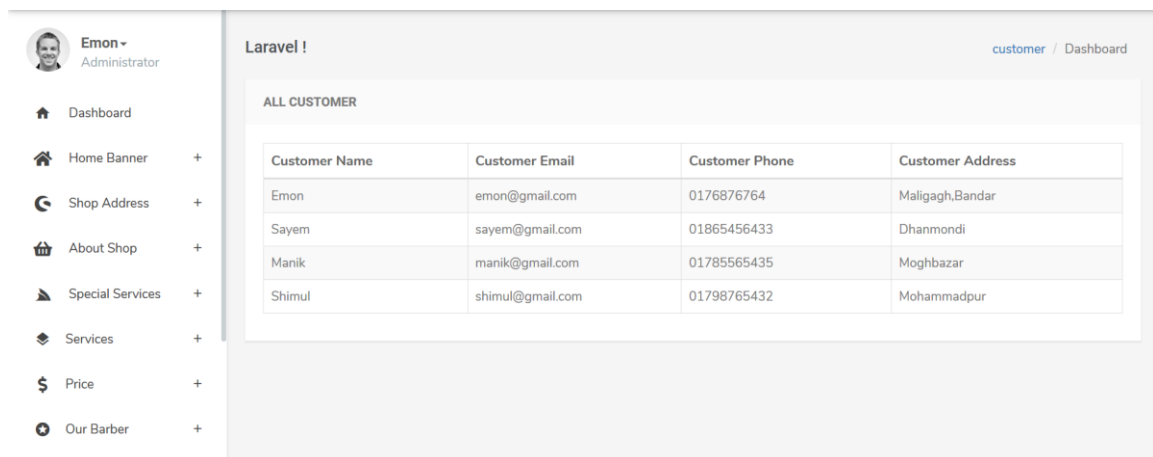
The screenshot displays the 'All Appointment' management page. On the left is a sidebar with the user profile 'Emon - Administrator' and a menu including Dashboard, Home Banner, Shop Address, About Shop, Special Services, Services, Price, Our Barber, and Gallery Image. The main content area contains a table with the following data:

Appointment's Name	Appointment Date	Appointment Time	Phone	Status	Action
Mehedi Hasan	3/6/2019	12:30am	01768767623	CONFIRM	Delete
Mehedi Hasan	3/5/2019	12:00am	01768767623	PENDING	Add Delete
Safiq	3/28/2019	12:30am	01768767623	PENDING	Add Delete
Sayem	3/20/2019	1:00am	01786654324	PENDING	Add Delete
Robin	2/20/2019	1:30am	01786654324	PENDING	Add Delete
Ovi	2/12/2019	1:30am	5464	PENDING	Add Delete
Habib	2/12/2019	12:00am	01768654572	CONFIRM	Delete
New	2/7/2019	1:00am	01786654324	CONFIRM	Delete
Hena	2/13/2019	1:30am	01786654324	CONFIRM	Delete

Fig 4.14: All Appointment in Backend

4.2.6 All Customer

Admin has also see the all our register customer. When customer register for an appointment, he has to give his some personal information. After that admin can see all the register customer of our application. Figure 4.15 show the all register customer of our application.



The screenshot shows a Laravel backend dashboard. On the left is a sidebar menu with the user 'Emon Administrator' and various navigation items. The main content area is titled 'ALL CUSTOMER' and contains a table with the following data:

Customer Name	Customer Email	Customer Phone	Customer Address
Emon	emon@gmail.com	0176876764	Maligagh,Bandar
Sayem	sayem@gmail.com	01865456433	Dhanmondi
Manik	manik@gmail.com	01785565435	Moghbazar
Shimul	shimul@gmail.com	01798765432	Mohammadpur

Fig 4.15: All Customer in Backend

4.3 Interaction Design and UX

Interaction design is the design by which user and products can be interact. Here product means any software, app or website. Interaction design should flexible for user. We tried to keep our design very interact with user. Interaction design purpose is to create product that enable to user to obtain their objectives in the possible way. Shaping the experience of user of using the product is about UX design. But UX design is more than interaction design [14].

4.4 Implementation Requirements

Gents parlour management system is a web-based application. To implement this project we have to need many kind of language. For frontend design we use HTML, CSS, BOOTSTRAP, JAVASCRIPTS and JQUERY. To implement backend work we use PHP and MYSQL database. We use the most popular framework of PHP which is called LARAVEL. Laravel version 5.7 is used to develop this project application. This application implemented in two section one is frontend part and another is backend part.

CHAPTER 5

IMPLEMENTATION AND TESTING

5.1 Implementation of Database

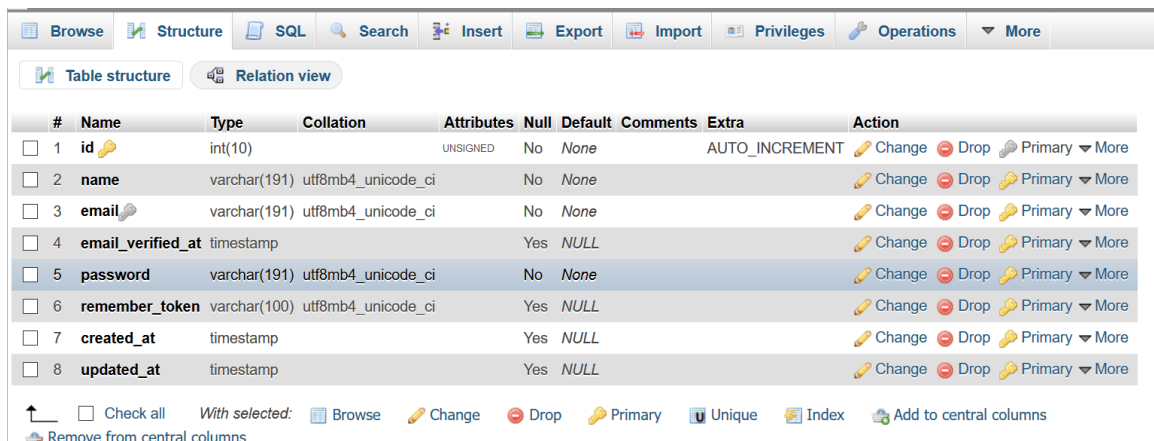
In the Database Management systems we have many DBMS , some DBMS are free and some are commercial. They are MySQL, SQL, Microsoft Access etc. All this database systems is powerful. But in our project we used MySQL database systems. It is very efficient to use with Laravel framework.

5.1.1 Database Table

The controller controls all the data parsing and related validation of the data to secure from injection, unwanted data and if data modification needed which can perform here in controller and in model. After that model, pass the data to the MySQL database. The whole system very rapidly and so accurately.

5.1.2 Database for Admin

In the figure 5.1 shows the Database for admin. Firstly admin need to registration for login. Admin table has some attribute like id, name, email, password etc.



#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	id		UNSIGNED	No	None		AUTO_INCREMENT	Change Drop Primary More
<input type="checkbox"/>	2	name	utf8mb4_unicode_ci		No	None			Change Drop Primary More
<input type="checkbox"/>	3	email	utf8mb4_unicode_ci		No	None			Change Drop Primary More
<input type="checkbox"/>	4	email_verified_at			Yes	NULL			Change Drop Primary More
<input type="checkbox"/>	5	password	utf8mb4_unicode_ci		No	None			Change Drop Primary More
<input type="checkbox"/>	6	remember_token	utf8mb4_unicode_ci		Yes	NULL			Change Drop Primary More
<input type="checkbox"/>	7	created_at			Yes	NULL			Change Drop Primary More
<input type="checkbox"/>	8	updated_at			Yes	NULL			Change Drop Primary More

Fig 5.1: Database for Admin

5.1.3 Database for Customers

In the figure 5.2 shows the Database for customers. When customer register for getting our service then all customer information will save our customers tables in our database.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	id		UNSIGNED	No	None		AUTO_INCREMENT	
<input type="checkbox"/>	2	name	utf8mb4_unicode_ci		No	None			
<input type="checkbox"/>	3	email	utf8mb4_unicode_ci		No	None			
<input type="checkbox"/>	4	password	utf8mb4_unicode_ci		No	None			
<input type="checkbox"/>	5	phone	utf8mb4_unicode_ci		No	None			
<input type="checkbox"/>	6	address	utf8mb4_unicode_ci		No	None			
<input type="checkbox"/>	7	created_at			Yes	NULL			
<input type="checkbox"/>	8	updated_at			Yes	NULL			

Fig 5.2: Database for Customer

5.1.4 Database for Services

In the figure 5.3 shows the Database for services. When admin add the services then it will inserted in the services table in our database.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	service_id		UNSIGNED	No	None		AUTO_INCREMENT	
<input type="checkbox"/>	2	service_name	utf8mb4_unicode_ci		No	None			
<input type="checkbox"/>	3	long_description	utf8mb4_unicode_ci		No	None			
<input type="checkbox"/>	4	short_description	utf8mb4_unicode_ci		Yes	NULL			
<input type="checkbox"/>	5	image	utf8mb4_unicode_ci		No	None			
<input type="checkbox"/>	6	created_at			Yes	CURRENT_TIMESTAMP			
<input type="checkbox"/>	7	updated_at			Yes	NULL			

Check all With selected: Browse Change Drop Primary Unique Index Add to central columns

Fig 5.3: Database for services

5.1.5 Database for Price

In the figure 5.4 shows the Database for prices. When admin add the prices then it will inserted in the prices table in our database.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(10)		UNSIGNED	No	None		AUTO_INCREMENT	Change Drop Primary
2	service_id	int(11)			No	None			Change Drop Primary
3	price	double(8,2)			No	None			Change Drop Primary
4	created_at	timestamp			Yes	CURRENT_TIMESTAMP			Change Drop Primary
5	updated_at	timestamp			Yes	NULL			Change Drop Primary

Fig 5.4: Database for Price

5.1.6 Database for Appointment

In the figure 5.5 shows the Database for appointments. When customer will make an appointments then customer’s appointment info will insert in this appointment table. Appoint table has field like id, customer_id, service_id, barber_id, first_name, last_name, date, time, phone, status, message.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(10)		UNSIGNED	No	None		AUTO_INCREMENT	Change Drop Primary More
2	customer_id	int(11)			No	None			Change Drop Primary More
3	service_id	int(11)			No	None			Change Drop Primary More
4	barber_id	int(11)			No	None			Change Drop Primary More
5	first_name	varchar(191)	utf8mb4_unicode_ci		No	None			Change Drop Primary More
6	last_name	varchar(191)	utf8mb4_unicode_ci		No	None			Change Drop Primary More
7	date	varchar(191)	utf8mb4_unicode_ci		No	None			Change Drop Primary More
8	time	varchar(191)	utf8mb4_unicode_ci		No	None			Change Drop Primary More
9	phone	varchar(191)	utf8mb4_unicode_ci		No	None			Change Drop Primary More
10	status	tinyint(1)			No	0			Change Drop Primary More
11	message	text	utf8mb4_unicode_ci		Yes	NULL			Change Drop Primary More
12	created_at	timestamp			Yes	NULL			Change Drop Primary More
13	updated_at	timestamp			Yes	NULL			Change Drop Primary More

Fig 5.5: Database for Appointment

5.1.7 Database for Product

In figure 5.6 show the Database for products. When customer buy some products then products detail will successfully insert in product table. It has field like product_name, product_price, product_image etc.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	product_name	varchar(50)	latin1_swedish_ci		No	None			Change Drop More
3	product_price	float			No	None			Change Drop More
4	product_image	varchar(50)	latin1_swedish_ci		No	None			Change Drop More
5	created_at	timestamp			No	CURRENT_TIMESTAMP			Change Drop More
6	updated_at	timestamp			No	CURRENT_TIMESTAMP			Change Drop More

Fig 5.6: Database for Product

5.1.8 Database for Salary

In figure 5.7 show the Database for salaries. When admin pay the salary to stylist. Then all details will insert in salaries table.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	barber_id	int(11)			No	None			Change Drop More
3	sal_date	varchar(50)	latin1_swedish_ci		No	None			Change Drop More
4	sal_month	varchar(50)	latin1_swedish_ci		No	None			Change Drop More
5	sal_year	varchar(50)	latin1_swedish_ci		No	None			Change Drop More
6	sal_pay	float			No	None			Change Drop More
7	sal_due	float			No	None			Change Drop More
8	created_at	timestamp		on update CURRENT_TIMESTAMP	No	CURRENT_TIMESTAMP		ON UPDATE CURRENT_TIMESTAMP	Change Drop More
9	updated_at	timestamp			No	CURRENT_TIMESTAMP			Change Drop More

Fig 5.7: Database for Salary

5.1.9 Database for Order

In figure 5.8 show the Database for orders. When customer buy a product and make an order then we have a orders table to insert an order which customer placed.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	id	int(11)			No	None		AUTO_INCREMENT
2	cusromer_id	int(11)			No	None		
3	order_date	varchar(50)	latin1_swedish_ci		No	None		
4	order_status	varchar(50)	latin1_swedish_ci		No	None		
5	subtotal	float			No	None		
6	vat	float			No	None		
7	total	float			No	None		
8	payment_status	varchar(50)	latin1_swedish_ci		No	None		
9	pay	float			No	None		
10	due	float			No	None		
11	created_at	timestamp		on update CURRENT_TIMESTAMP	No	CURRENT_TIMESTAMP		ON UPDATE CURRENT_TIMESTAMP
12	updated_at	timestamp			No	CURRENT_TIMESTAMP		

Fig 5.8: Database for Order

5.1.10 Database for Attendance

In figure 5.9 show the Database for attendances. When admin take the regular attendance for the stylist then this data will insert in attendances table.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	Chg
2	barber_id	int(11)			No	None			Chg
3	att_date	varchar(50)	latin1_swedish_ci		No	None			Chg
4	att_month	varchar(50)	latin1_swedish_ci		No	None			Chg
5	att_year	varchar(50)	latin1_swedish_ci		No	None			Chg
6	attendance	varchar(50)	latin1_swedish_ci		No	None			Chg
7	edit_date	varchar(50)	latin1_swedish_ci		No	None			Chg
8	created_at	timestamp		on update CURRENT_TIMESTAMP	No	CURRENT_TIMESTAMP		ON UPDATE CURRENT_TIMESTAMP	Chg
9	updated_at	timestamp			No	0000-00-00 00:00:00			Chg

Fig 5.9: Database for Attendance

5.2 Implementation of Front-end Design

Front-end design is the design which customer can see. So it is very important to keep frontend design very attractive and user friendly. We tried to make our frontend design very easy so that user can navigate our website very smoothly. But the most challenging portion was making responsive of our design. Nowadays there are many devices like smartphones, tablets, desktop, notebook, laptop etc. They are different in the sector of size. So we make our website responsive. There is no problem to see our website in different kind of devices. We make our interface standard with the help of HTML, CSS, JS and JQuery technology.

5.3 Implementation of Interaction

There are two section of this project. One is admin part and another is user part. In this project, admin can control whole system. Customer is our beloved user. Here user, make online appointment for getting our services. Customer Can see all our services from our application. User can contact with admin by email or phone. After booking an appointment by customer then admin contact with customer. Then admin will confirm the appointment. Then user can take service from our stylists.

5.4 Implementation and Testing

A test case is set of condition by which tester can determine any systems that a systems under test satisfies requirements or worked properly. Developing test cases also find problems of requirements and the design of the application. In table 5.1 shows test implementation.

Table 5.1: Test Implementation

Test Case	Test Input	Expected Outcome	Actual Outcome	Result	Date
1. Registration	Register as Customer	Registration should be successful	Registration successfully done	Passed	02-04-2019
2. Login	Login as Customer	Login Should be successful	Login successfully done	Passed	02-04-2019

3.Appointment	Appointment by user	Appointment should be successful	Appointment successfully done	Passed	03-04-2019
4. Login	Login as Admin	Login should be successful	Login successfully done	Passed	04-04-2019
5. Add Service	Add service by Admin	Service should be added	Service added successfully	Passed	05-04-2019
6. Add Slider	Add slider by admin	Slider should be added	Slider added successfully	Passed	05-04-2019
7. Update service	Service update by admin	Service should be updated	Service updated successfully	Passed	05-04-2019
8. Add Stylist	Stylist add by admin	Stylist should be added	Stylist added successfully	Passed	05-04-2019
9. Add Price	Price add by admin	Price should be added	Price added successfully	Passed	05-04-2019
10. Confirm Appointment	Confirm appointment by admin	Appointment confirm should be successful	Appointment confirm successfully	Passed	05-04-2019

5.5 Test Results and Reports

In this website when customer click appointment button if he is register user then it will go appointment page otherwise he will must register for going appointment page. If customer uses wrong password or user name, he cannot login. If customer use correct user name and password then he can login. Only register customer can login in appointment page. After login he can book for appointment with selected stylist. User can see all service. Then he can also contact with admin. User must need to select stylist and which service he can take. If he can't fill up all appointment's information it will create error for booking an appointment.

CHAPTER 6

CONCLUSION AND FUTURE SCOPE

6.1 Discussion and Conclusion

Gents parlour is a commercial platform that allow user to find their services and beauty instruments product in the most convenient way.

This application also proves to be a great platform for skilled and experience stylists to provide the services. And user can choose their interested service and communicate directly with admin through phone call. This application also allows user to communicate with stylists through call or SMS.

6.2 Scope for Further Developments

I would like to continue developing this app to add:

- Online payment System
- Stability improvements.
- Giving notification by SMS
- Increase the demand of beauty products
- Modify easily for better performance

APPENDIX

Appendix A: Project Reflection

The purpose of this appendix is about project reflection. From Summer 2018 semester I we have started journey to make this application. The main feature of my application is finding better service and product for customer.

Also using this application one user can easily contact with admin of our application if he have any query about our services. Firstly, We build a model for my project then we implemented our idea step by step. After many hard work and spending a lot of time finally we was able to reach my goal.

The project "Gents Parlour Management System" will be very helpful for every type of customer. Parlour management system can be initialized in modern technology with our application. So, I believe that our application "Gents Parlour Management systems" will be a positive application for users.

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