# SPA BOOKING SYSTEM

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#### Case Study 5: Spa Booking System

Online spa booking application that allows clients to schedule appointments, make payments, and access You will get the list of services in detail with pricing as well so that you can choose the type of service you want and can book in advance.

#### Features:

- → **Appointment Booking:** Simplify appointment scheduling, reduce phone calls, and enhance convenience for clients.
- → Client Management: Store essential client information securely.
- → Virtual Consultations: Enable remote consultations for personalized treatment recommendations.
- → See the customer reviews

WHAT	HOW
WHAT	TIOV
What are the modules required for the	1.User Registration
spa booking system?	
. ,	Method1: Users can register using their credentials like
1. User Registration	• Name
<ul> <li>Customer can register by using</li> </ul>	• Age
their credential	• Email
2. Appointment Booking	Phone number
<ul> <li>Allows the clients to schedule</li> </ul>	And login with just email and password
their appointments online	<u>Method2:</u> Users can register using their social media account
3. Client Management	
<ul> <li>Stores client information securely</li> </ul>	2. Appointment Booking
for future reference	
4. Virtual Consultation	Method1: Bookings can be made by clicking Booking option by filling
Enable remote consultation for	their
personalized treatment	Name
recommendations  5. Customer reviews	• Age
	• Email
<ul> <li>Displaying customer reviews for spa customer enhancements</li> </ul>	Allergy specification (if any)  In a farm and the common has a black as the committee the committee of
spa customer emancements	in a form and they can be able to choose the services they want from
	Dropdown.
	• Бгораоwн.
	Method2: By placing Book Now option under each image service,
	customers can click it and redirect to booking page and they need to
	fill the details down below in form.
	• Date
	• Time
	<ul> <li>Allergy specification (if any)</li> </ul>
	3.Client Management
	<u>Method1:</u> When users register by using their
	• Name
	• Email
	it will get stored in MySQL database and later it will be displayed in
	admin dashboard for admin reference
	Method2: When users register by using their
	Name     Email
	it will get stored in MySQL database and it will be displayed in
	homepage

#### **4.Virtual Consultation**

<u>Method1:</u> After clicking Consultation, Users can be able to book virtual consultation through the chat box by giving their credentials like

- Name
- Email
- Description

And those details will be displayed in admin page so admin will be able to send a Gmeet link through the email.

<u>Method2</u>: Integrate video conferencing software to facilitate remote consultations between clients and spa professionals.

# 5.Customer reviews

<u>Method1:</u> Customers can give feedback by clicking feedback option and redirect to another page with feedback form.

<u>Method2:</u> Feedback section will be placed at last of homepage like a comment section where customers can be able to send their commands by giving their

- Name
- Email
- Comments

And it will be displayed in homepage

WHY	WHY NOT

1.User Registration	<u>Method2:</u> Users can register using their social media account
1.User Registration  Method1: Users can register using their credentials like  Name  Age  Email  Phone number and login with just email and password  REASON: This method will be user friendly way for customers to register	Method2: Users can register using their social media account  REASON: This method will not be safety for customers to use and they hesitate to use their social media

#### 2. Appointment Booking

<u>Method2:</u> By placing Book Now option under each image service, customers can click it and redirect to booking page and they need to fill the details down below in form.

- Date
- Time
- Allergy specification (if any)

<u>REASON:</u> This method will make it easy for users to book appointments according to the service they want.

#### 3.Client Management

Method1: When users register by using their

- Name
- Email

it will get stored in MySQL database and later it will be displayed in admin dashboard for admin reference

<u>REASON:</u> This method will be suitable for security purpose

#### 4. Virtual Consultation

<u>Method1:</u> After clicking Consultation, Users can be able to book virtual consultation through the chat box by giving their credentials like

- Name
- Email
- Description

And those details will be displayed in admin page so admin will be able to send a Gmeet link through the email.

*Method1:* Bookings can be made by clicking Booking option by filling their

- Name
- Age
- Email
- Phone number
- Allergy specification (if any)

in a form and they can be able to choose the services they want from

• Dropdown.

**REASON:** This method will not be liked by most of the users

Method2: When users register by using their

- Name
- Email

it will get stored in MySQL database and it will be displayed in homepage

<u>REASON:</u> It may raise security issues cause displaying users detail in homepage

<u>Method2</u>: Integrate video conferencing software to facilitate remote consultations between clients and spa professionals.

**REASON:** This method will be more expensive and complex to build

REASON: This method will be cost-effective and	
user friendly	

#### 5.Customer reviews

Method2: Feedback section will be placed at last of homepage like a comment section where customers can be able to send their commands by giving their

- Name
- Email
- Comments

And it will be displayed in homepage

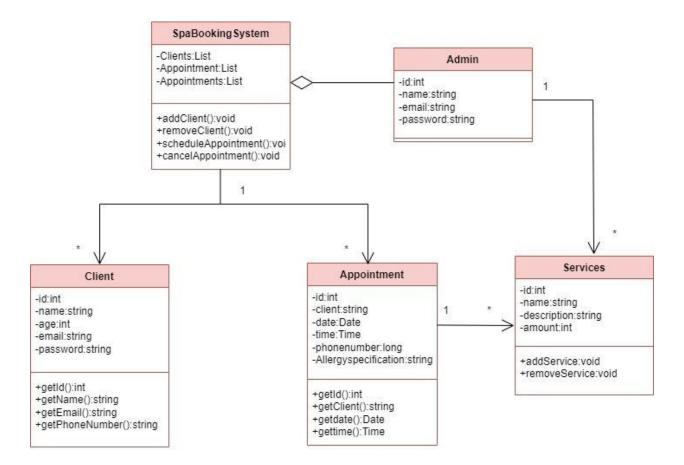
<u>REASON:</u> This method will be easy for customers to write their reviews

<u>Method1:</u> Customers can give feedback by clicking feedback option and redirect to another page with feedback form.

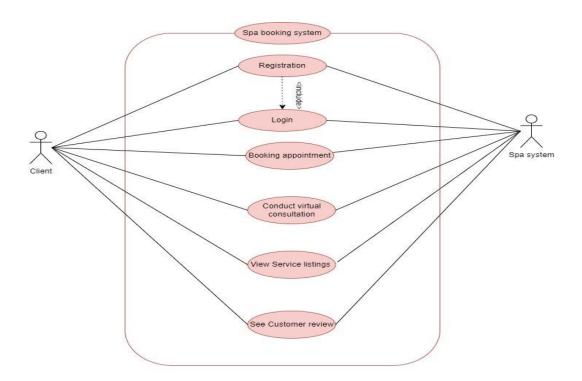
<u>REASON:</u> This method will be tedious process for customers to write their reviews

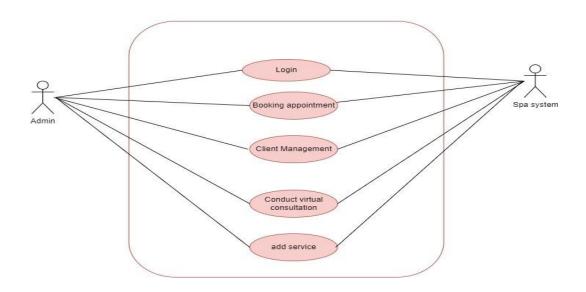
#### **UML DIAGRAM:**

# **Class Diagram:**



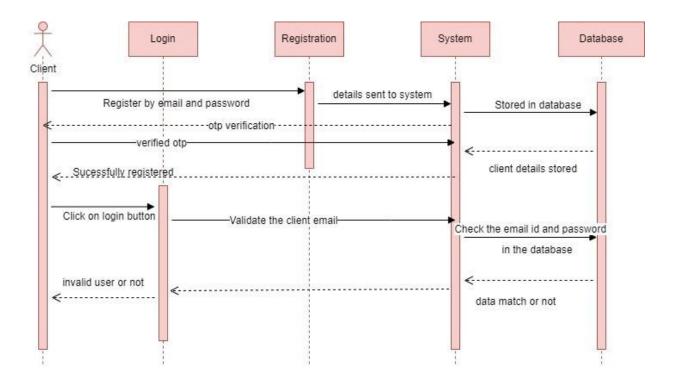
# use Case Diagram:



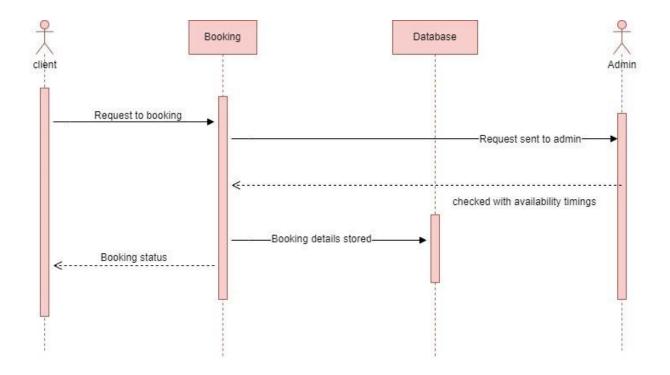


#### sequence Diagram:

# Login:

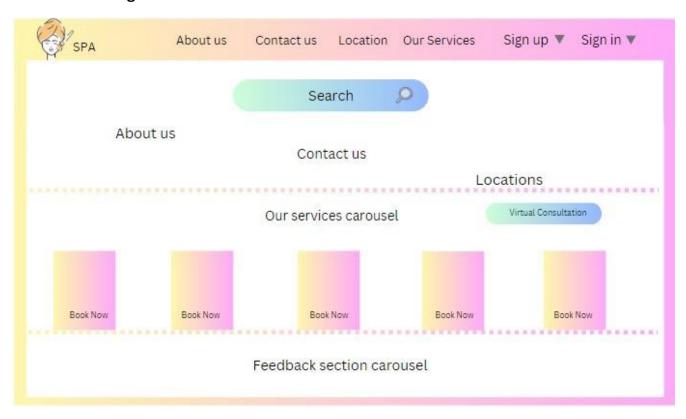


# **Booking:**



# **UI WIREFRAME:**

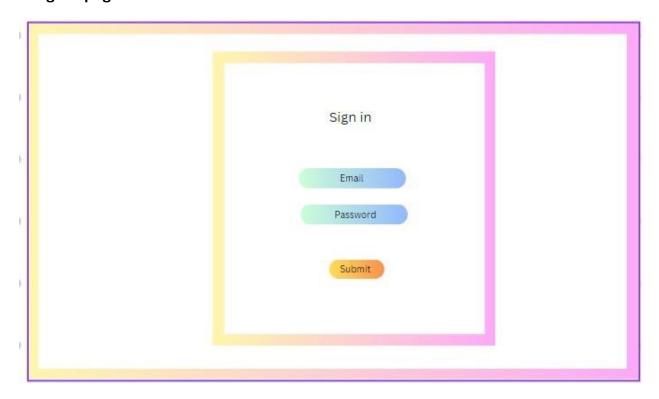
#### 1. Home Page:



# .Sign Up page:



# 3. Sign In page:



# 4.Booking Appointment page:

Appointment Fo	orm	
Name		
Age		
Date		
Time		
PhoneNO		
Allergy		
Submit		

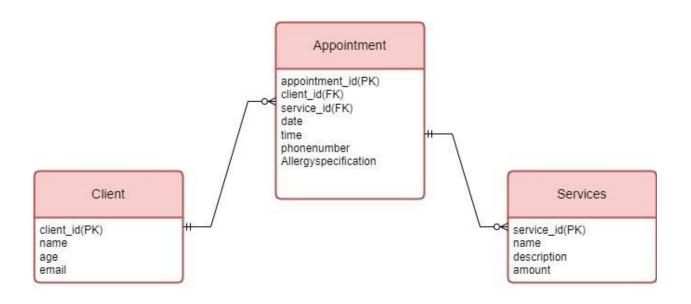
# **5.Booking History Page:**



# 6.Admin page:



# **ER DIAGRAM:**



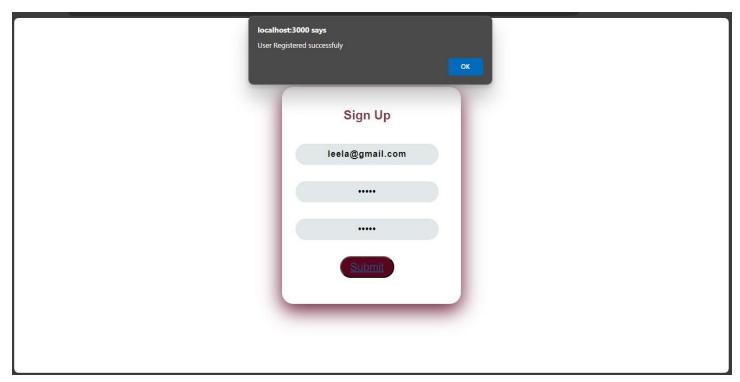
# **EXPLANATION:**

•	One Client	can use	many A	ppointments
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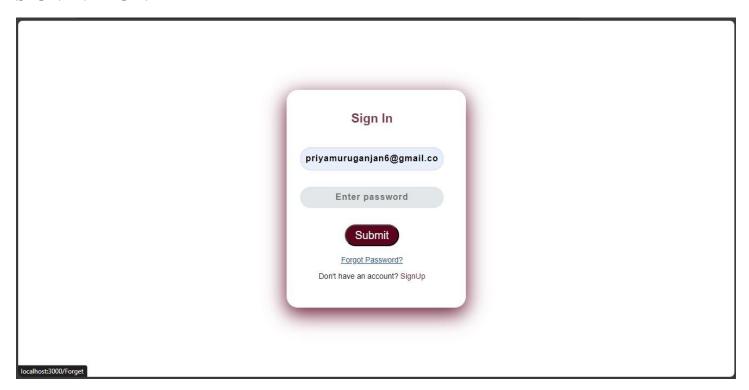
• One Appointment can have multiple Services

**PROJECT:** 

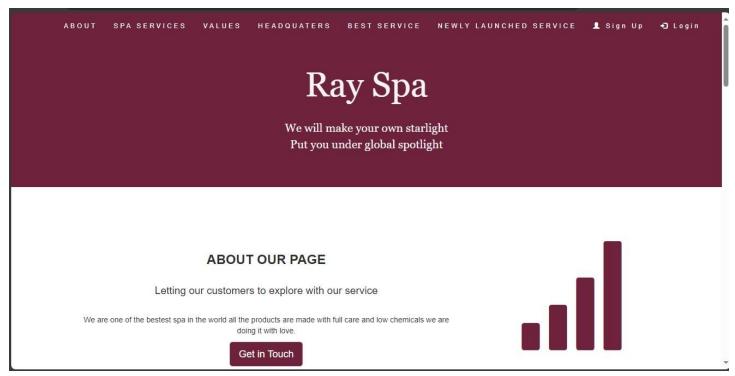
**SIGN UP PAGE:** 



# **SIGN IN PAGE:**

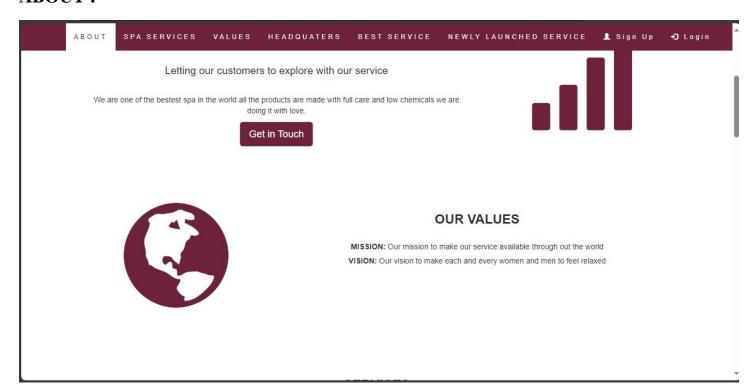


# **HOMEPAGE:**

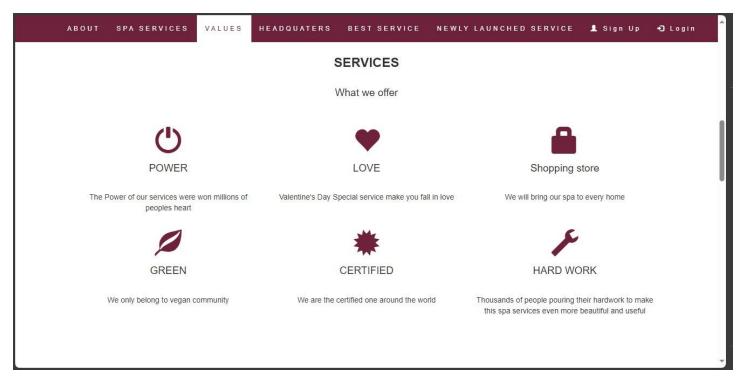


#### IF WE START SCROLLING IT GOES LIKE THIS:

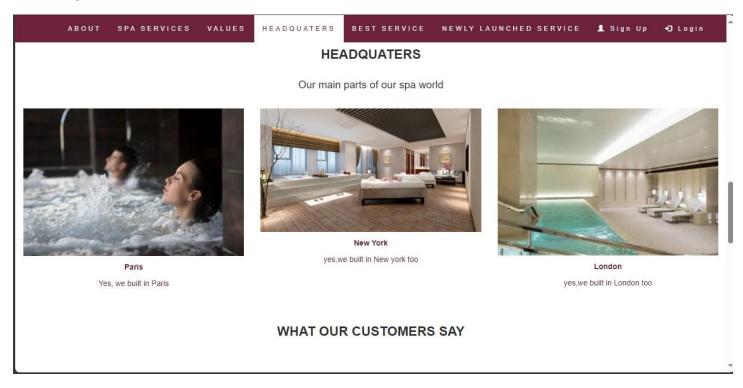
# **ABOUT:**



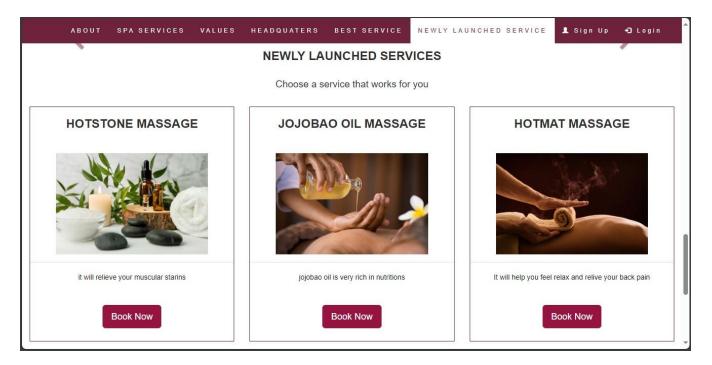
#### **VALUES:**



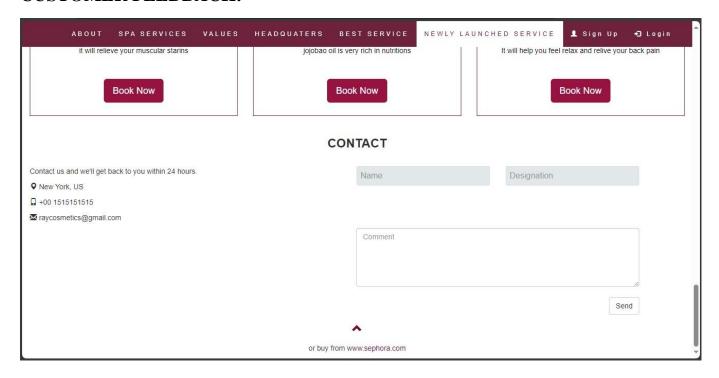
# **HEADQUATERS:**



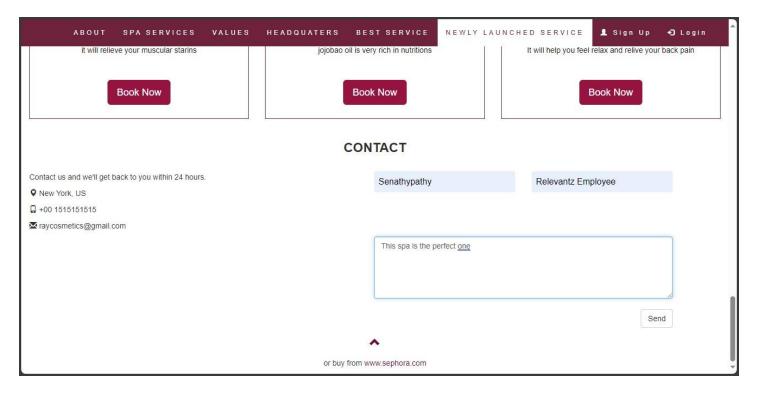
# **NEWLY LAUNCHED SERVICE:**



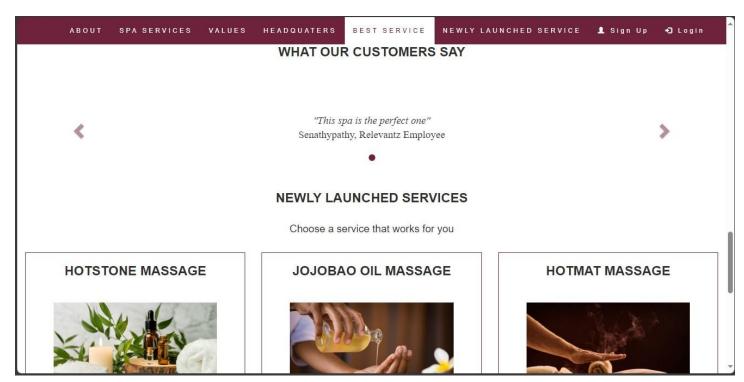
# **CUSTOMER FEEDBACK:**



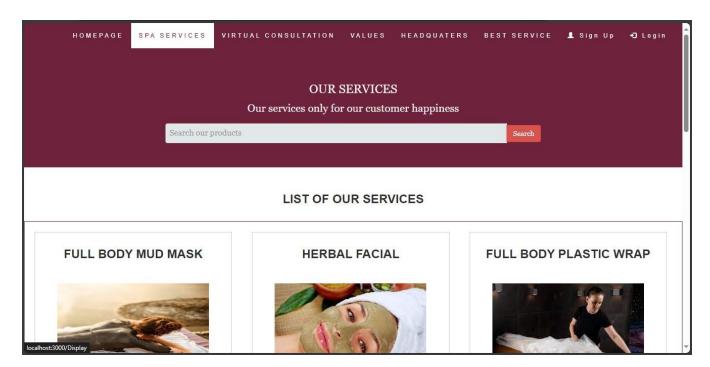
# IF CUSTOMER WRITE FEEDBACK ON FEEDBACK SESSION:



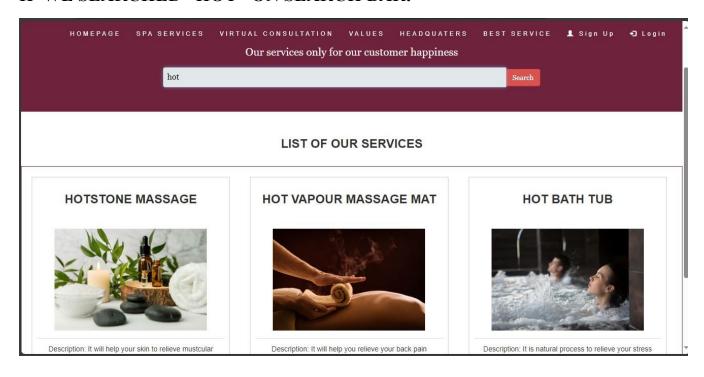
#### FEEDBACK DISPLAY:

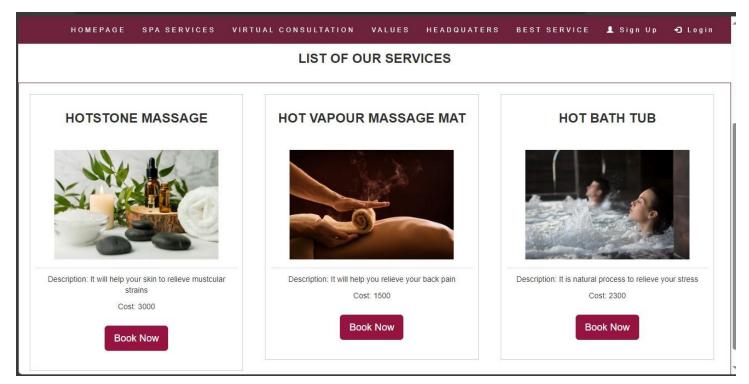


# ONCE WE CLICKED SPA SERVICE IT WILL TAKE US SERVICE PAGE:

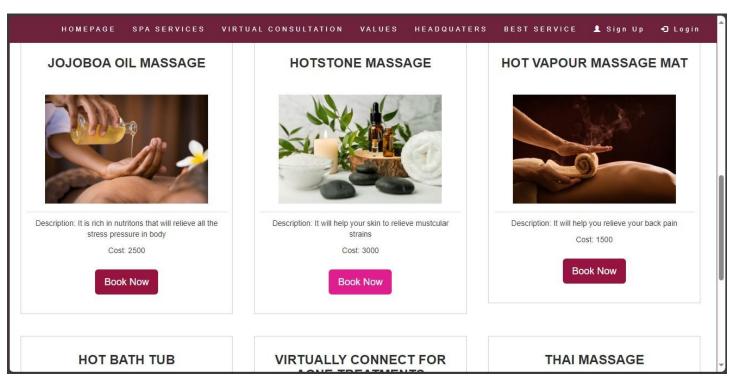


# IF WE SEARCHED "HOT" ON SEARCH BAR:

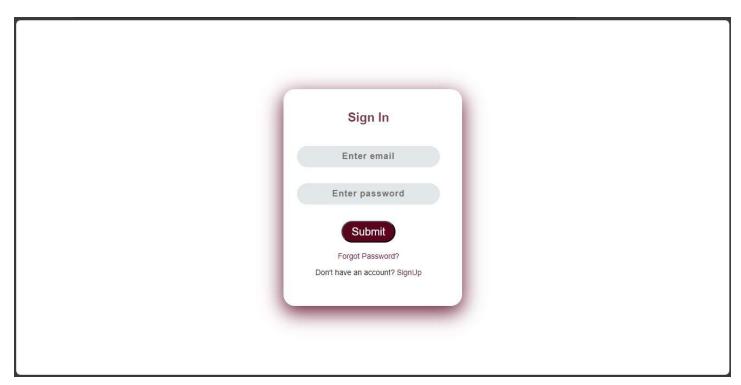




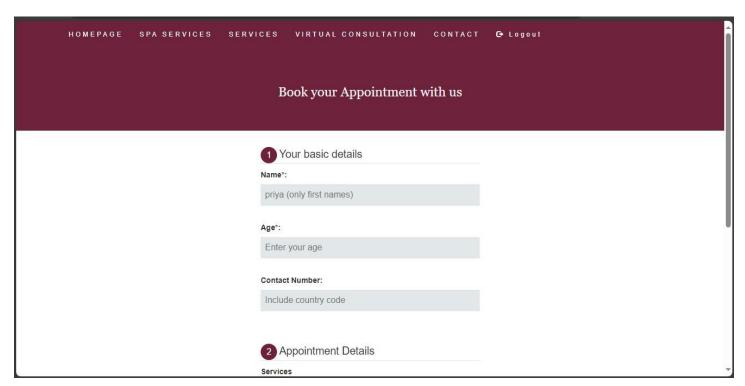
## IF WE CLICK BOOK NOW BUTTON:

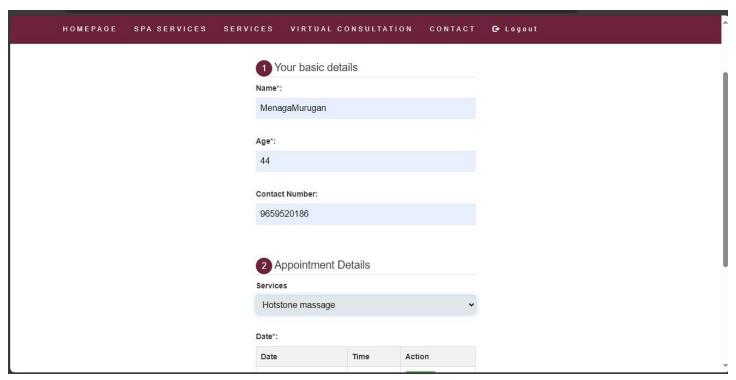


IF YOU ARE NOT SIGNED IN IT WILL TAKE YOU TO SIGN IN PAGE OR ELSE APPOINTMENT PAGE:

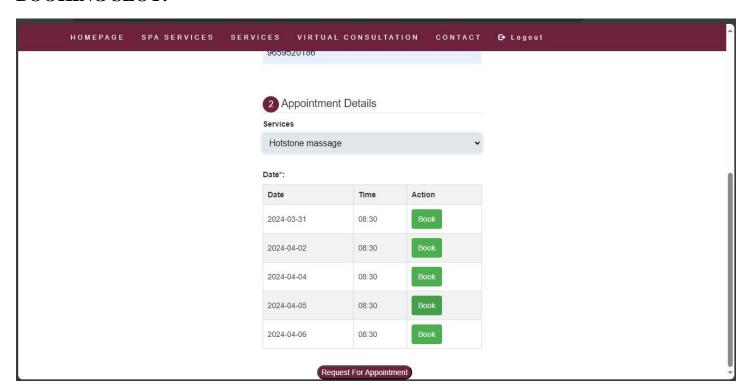


# **APPOINTMENT PAGE:**

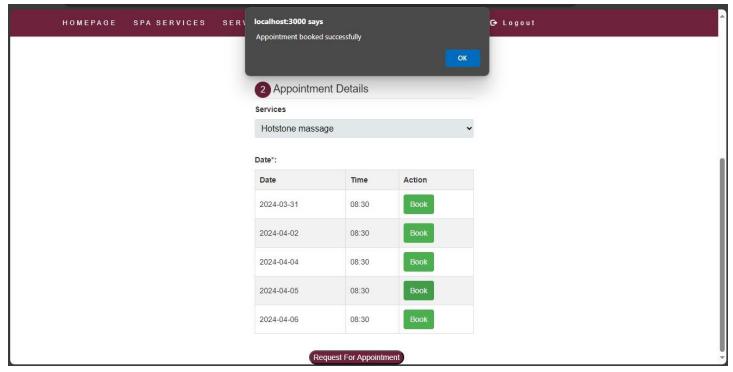




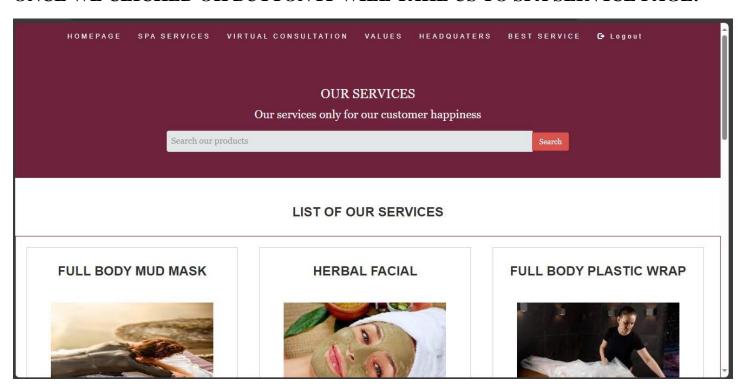
# **BOOKING SLOT:**



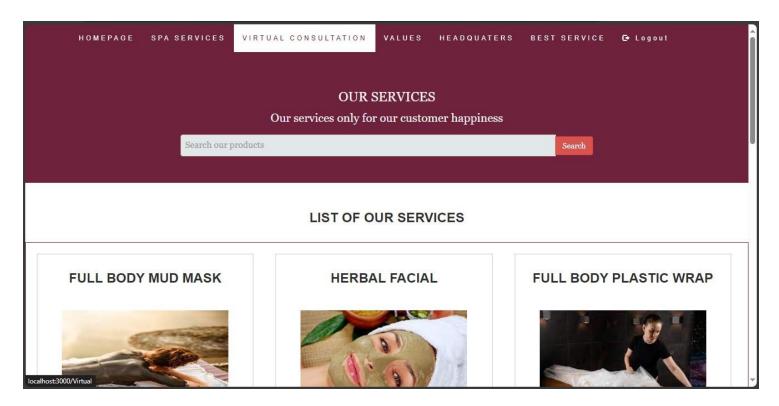
# APPOINTMENT BOOKED SUCCESSFULLY:



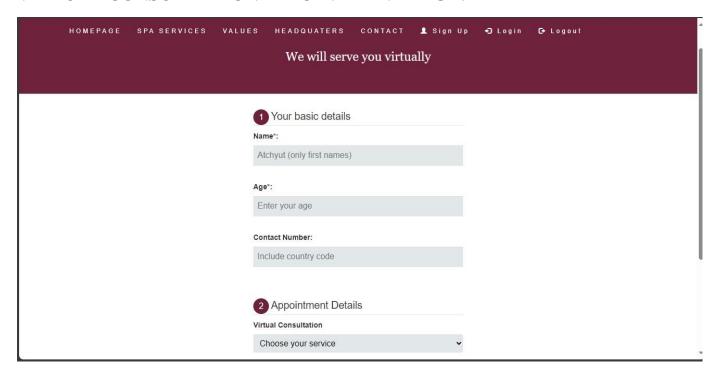
#### ONCE WE CLICKED OK BUTTON IT WILL TAKE US TO SPA SERVICE PAGE:



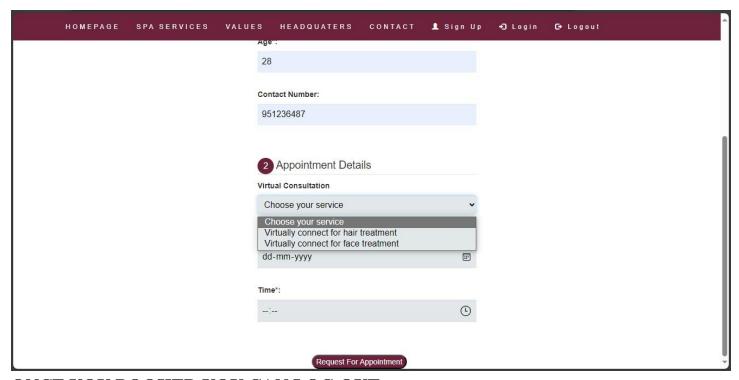
#### SAME AS VIRTUAL CONSULTATION:



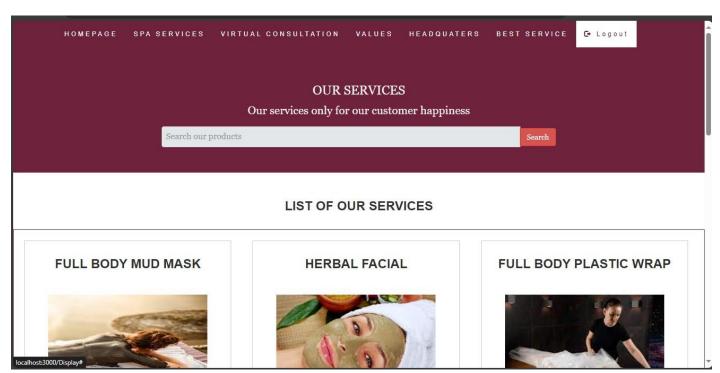
# **VIRTUAL CONSULTATION APPOINTMENT PAGE:**



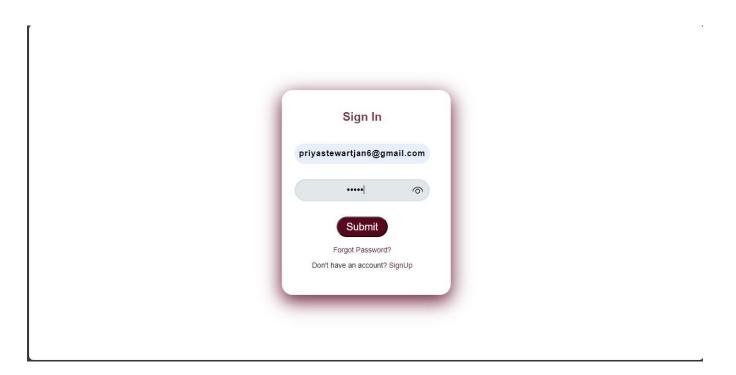
#### **CHOOSE YOUR VIRTUAL SERVICE:**



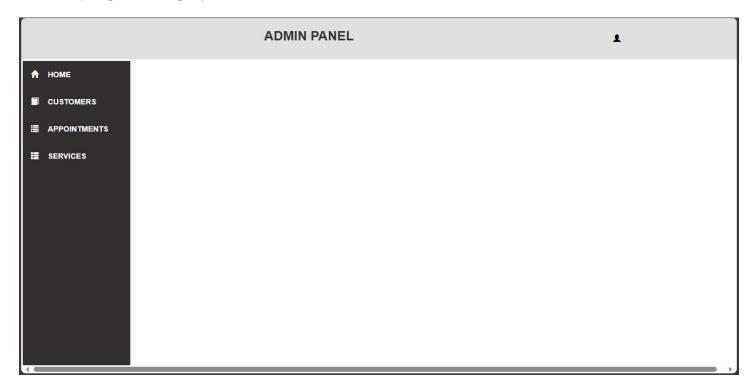
# ONCE YOU BOOKED YOU CAN LOG OUT:



#### **ADMIN SIGN IN:**



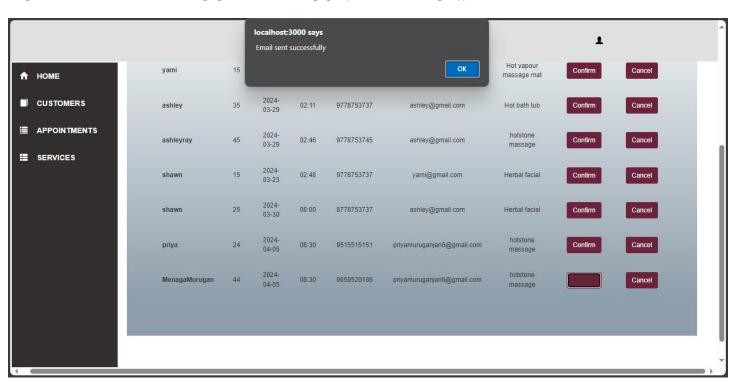
# **ADMIN HOMEPAGE:**



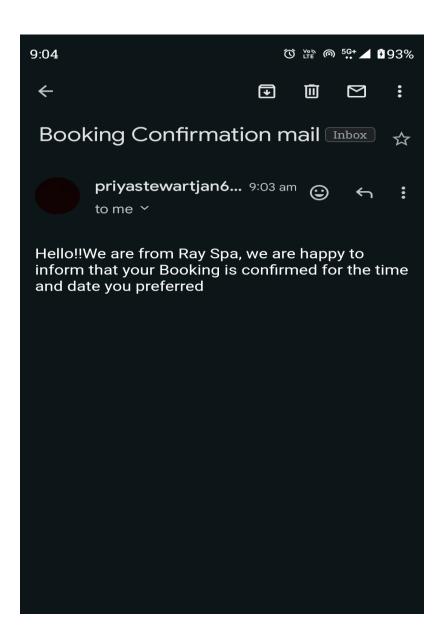
# IF WE CLICKED APPOINTMENTS:

ADMIN PANEL							1		
номе	Name	Age	Date	Time	PhoneNumber	Email	Services	Confirm booking	Cancel booking
CUSTOMERS	yami	15	2024- 03-30	02:10	9685213986	yami@gmail.com	Hot vapour massage mat	Confirm	Cancel
APPOINTMENTS SERVICES	ashley	35	2024- 03-29	02:11	9778753737	ashley@gmail.com	Hot bath tub	Confirm	Cancel
3=1113=3	ashleyray	45	2024- 03-29	02:46	9778753745	ashley@gmail.com	hotstone massage	Confirm	Cancel
	shawn	15	2024- 03-23	02:48	9778753737	yami@gmail.com	Herbal facial	Confirm	Cancel
	shawn	25	2024- 03-30	08:00	8778753737	ashley@gmail.com	Herbal facial	Confirm	Cancel
	priya	24	2024- 04-05	08:30	9515515151	priyamuruganjan6@gmail.com	hotstone massage	Confirm	Cancel
	MenagaMurugan	44	2024- 04-05	08:30	9659520186	priyamuruganjan6@gmail.com	hotstone massage	Confirm	Cancel

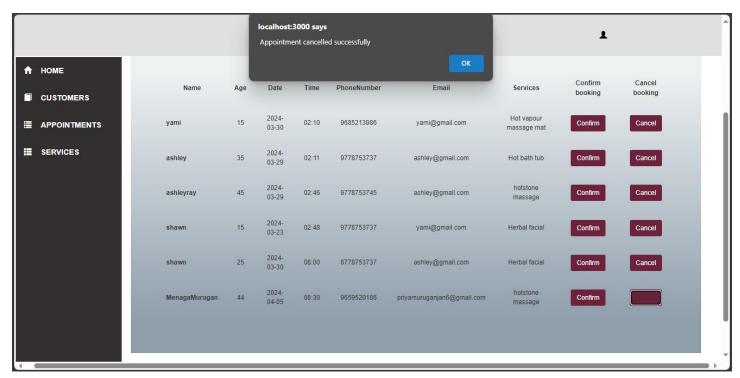
# IF WE CLICK CONFIRM ON CLIENT MENAGAMURUGAN IT WILL SENT MAIL TO THEIR EMAIL ABOUT THEIR CONFIRMATION:



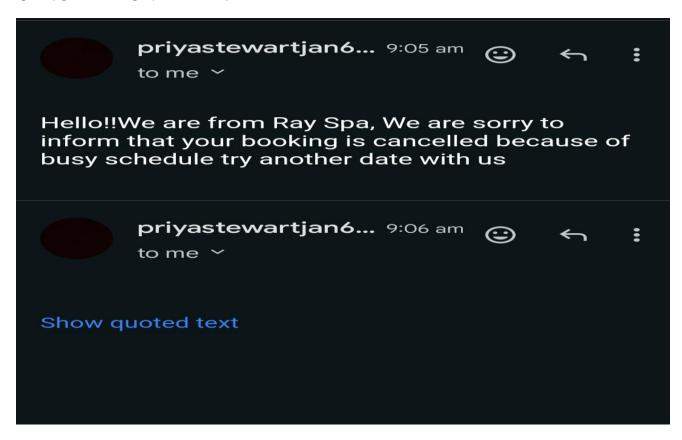
# **CONFIRMATION MAIL:**

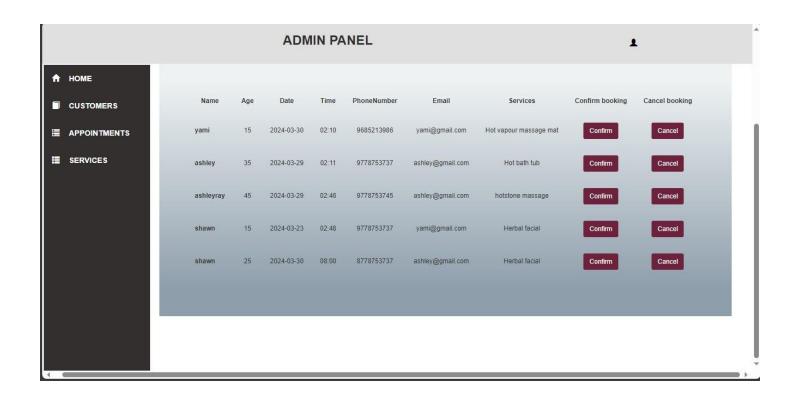


#### IF WE CANCEL APPOINTMENT:

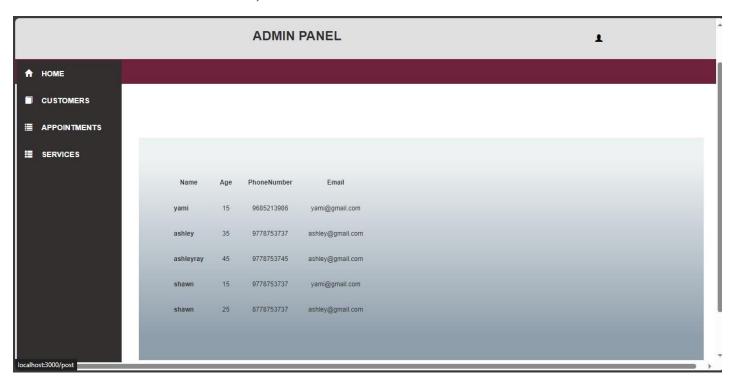


#### **CANCELATION EMAIL:**

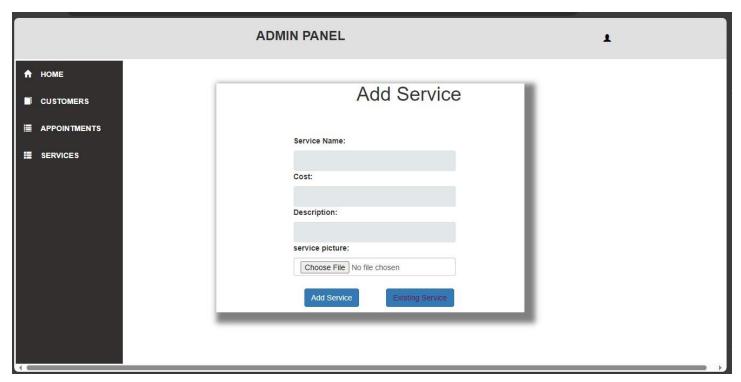




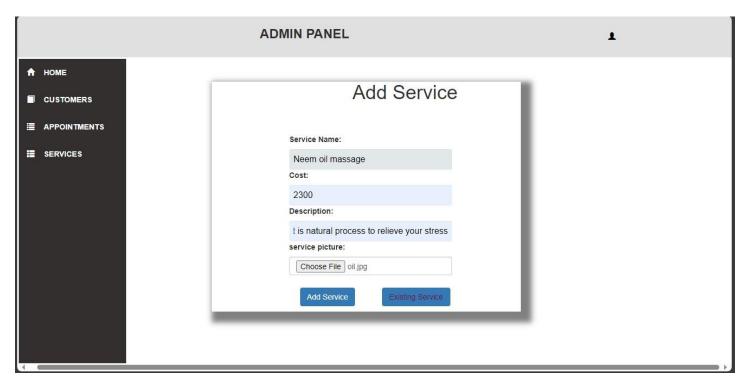
# IF WE CLICK CUSTOMERS,IT WILL SHOW ALL THE CUSTOMER DETAILS:



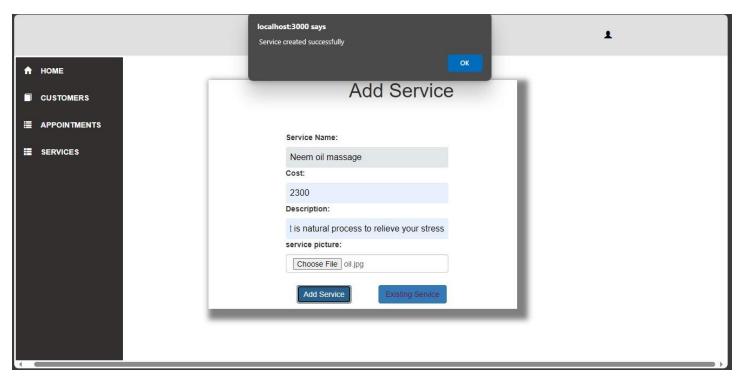
#### IF WE CLICK ON SERVICES:



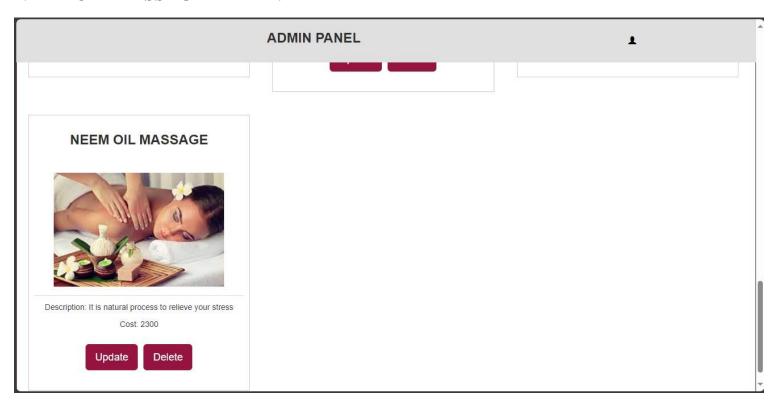
# ADD SERVICE WE WANT:



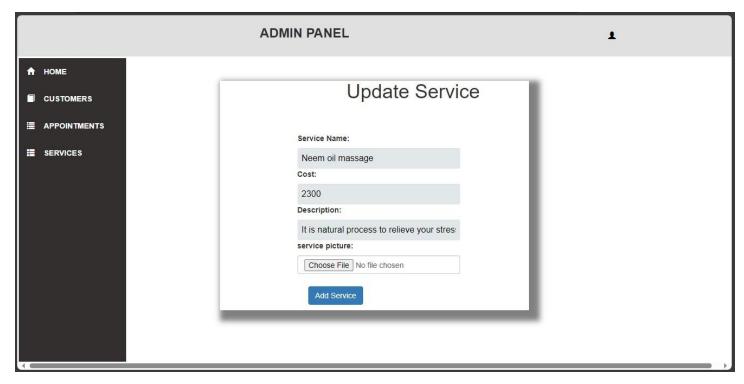
# HERE WE ADDED NEEM OIL MASSAGE:

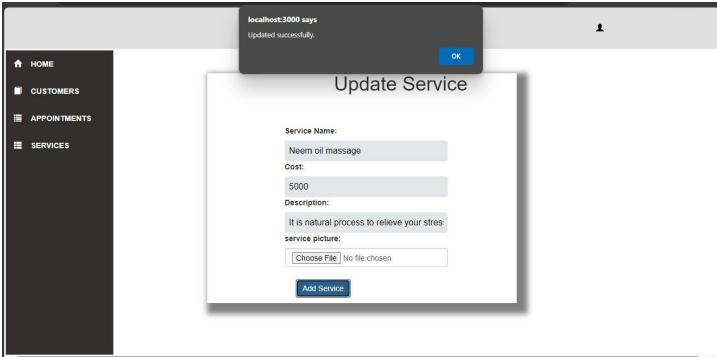


# **NEEM OIL MASSAGE ADDED:**

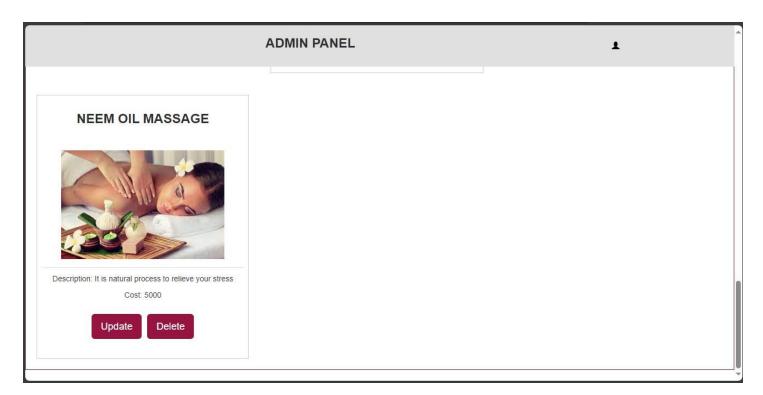


### IF WE UPDATE THE COST OF NEEM OIL MASSAGE:

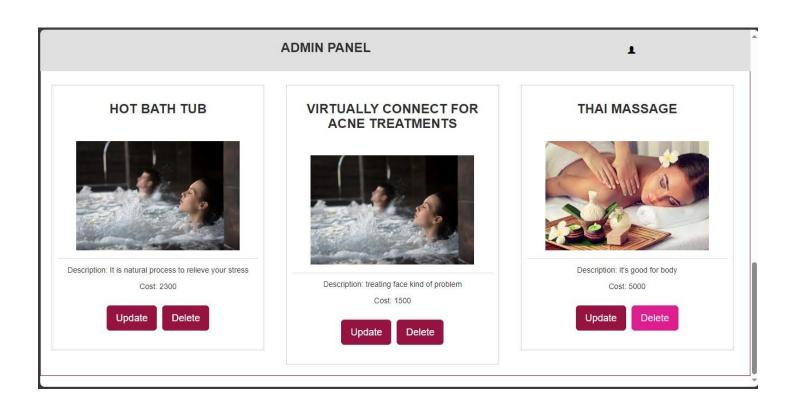


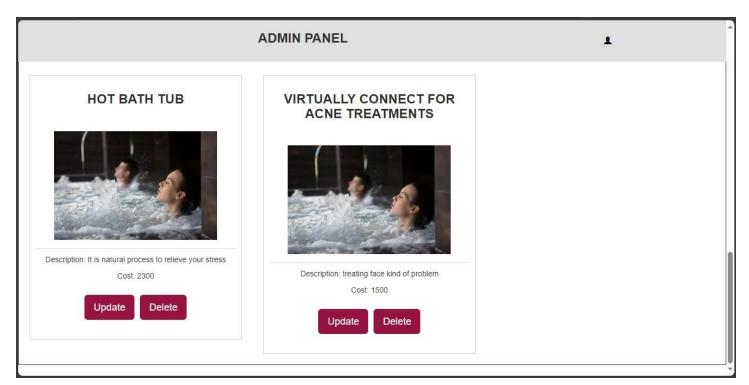


# **COST IS UPDATED AS "5000"**

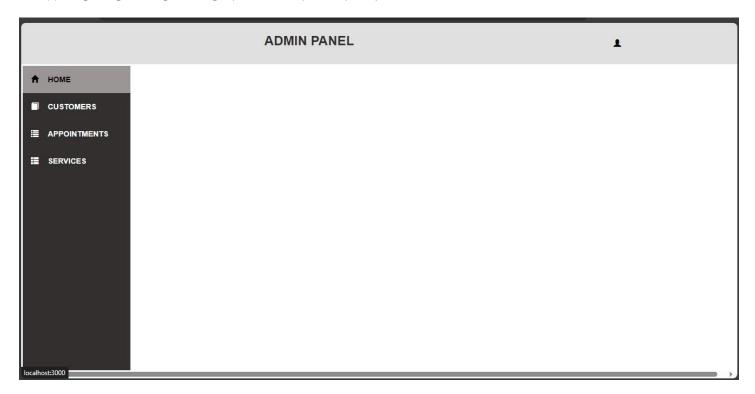


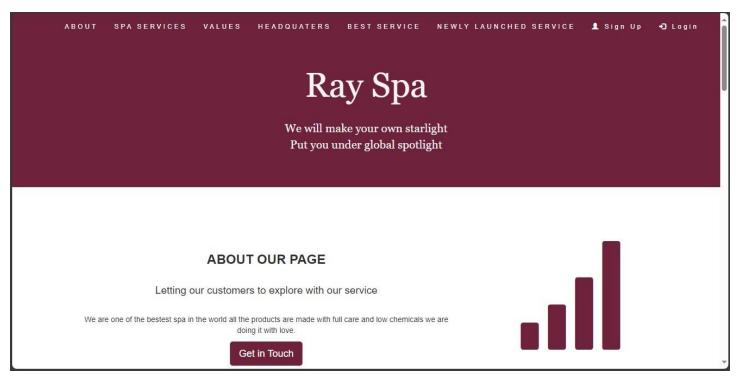
# **CLICK DELETE ON THAI MASSAGE:**





# IF WE CLICK HOME ON ADMIN PANEL:

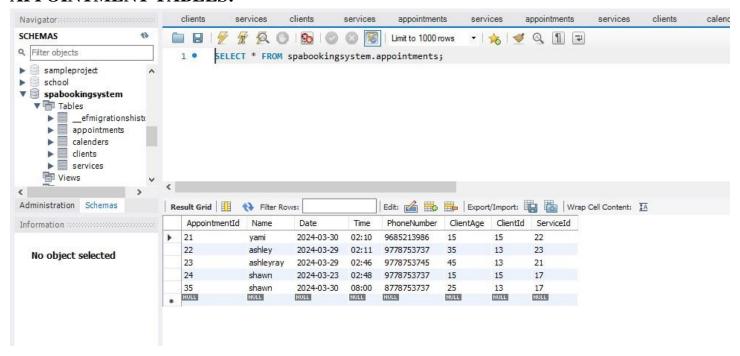




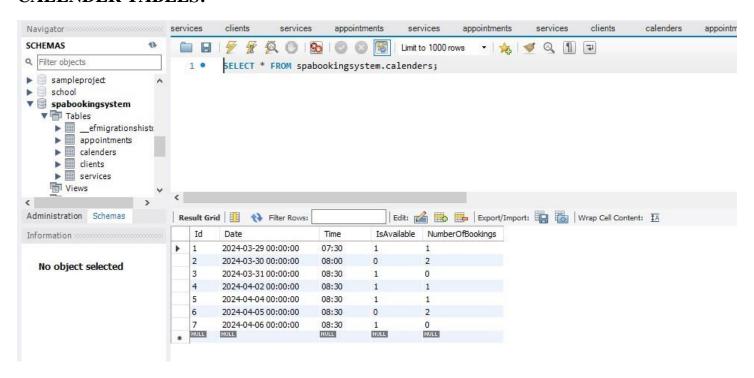
# **DATABASE AND TABLES:**



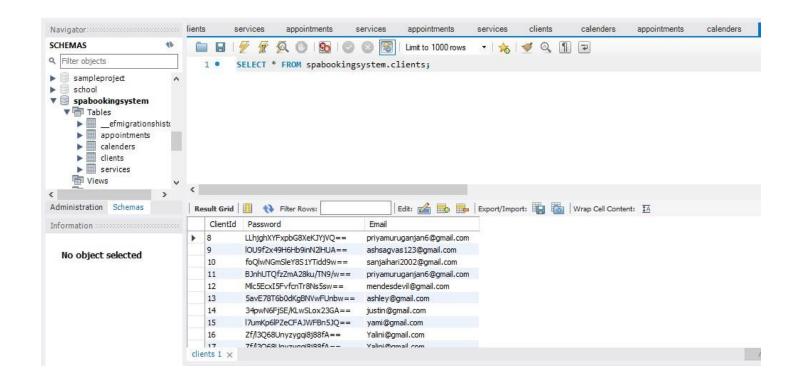
#### **APPOINTMENT TABLES:**



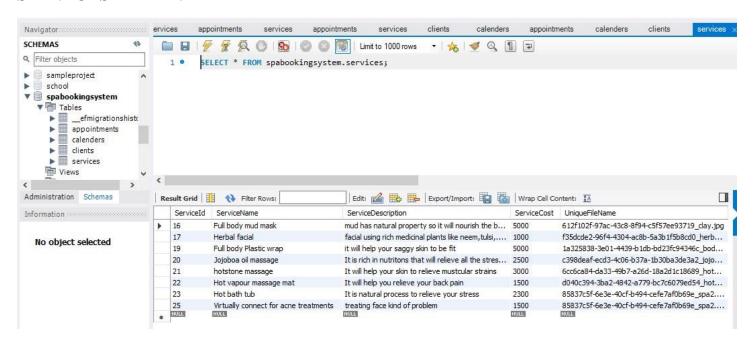
#### **CALENDER TABLES:**



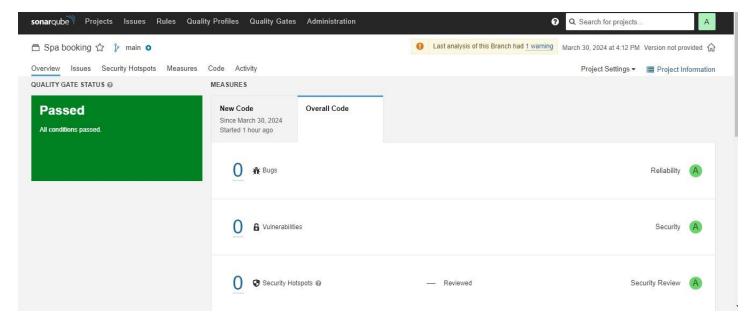
#### **CLIENTS TABLE:**



#### **SERVICES TABLE:**



# **CODE QUALITY:**



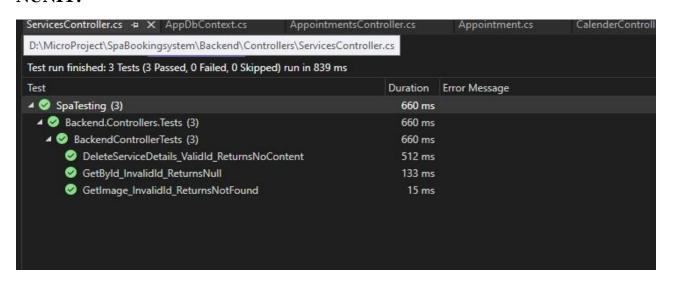
#### **TESTING:**

#### JEST:

```
Test Suites: 14 passed, 14 total
Tests: 66 passed, 66 total
Snapshots: 0 total
Time: 17.566 s
Ran all test suites related to changed files.

> Test run finished at 3/31/2024, 9:34:52 AM <
```

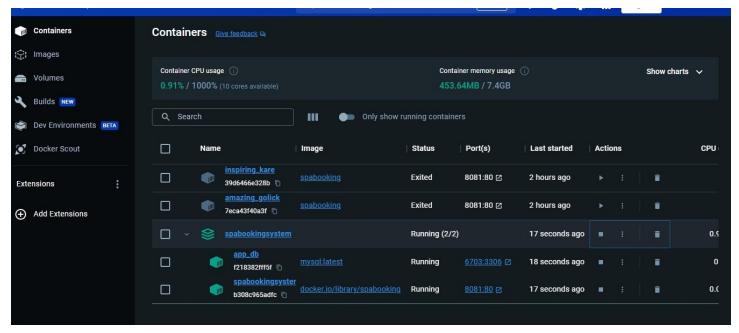
#### **NUNIT:**



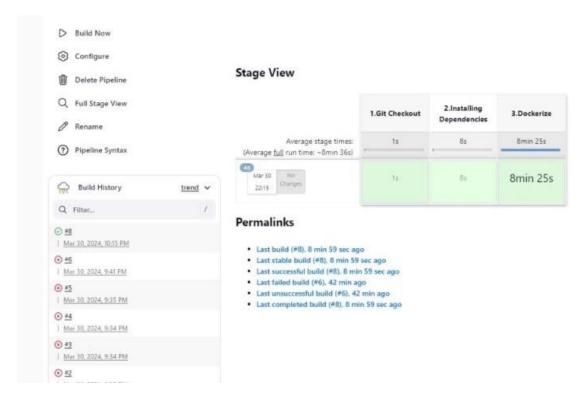
#### **SELENIUM TESTING:**

```
apasitetesting lestics A B Audaervice.ja
C: > Users > priyadharshini.mu > Downloads > CF SpasitetestingTest.cs > ...
      using System;
       using System.Collections.Generic;
       using OpenQA.Selenium;
       using OpenQA.Selenium.Chrome;
       using OpenQA.Selenium.Firefox;
       using OpenQA.Selenium.Remote;
       using OpenQA.Selenium.Support.UI;
 11
 12
       using OpenQA.Selenium.Interactions;
 13
       [TestFixture]
       0 references | Run All Tests | Debug All Tests
       public class SpasitetestingTest {
         67 references
         private IWebDriver driver;
         1 reference
         public IDictionary<string, object> vars {get; private set;}
         3 references
         [SetUp]
         1 reference
         public void SetUp() {
 21
           driver = new ChromeDriver();
           js = (IJavaScriptExecutor)driver;
           vars = new Dictionary(string, object>();
         [TearDown]
         1 reference
         protected void TearDown() {
           driver.Quit();
```

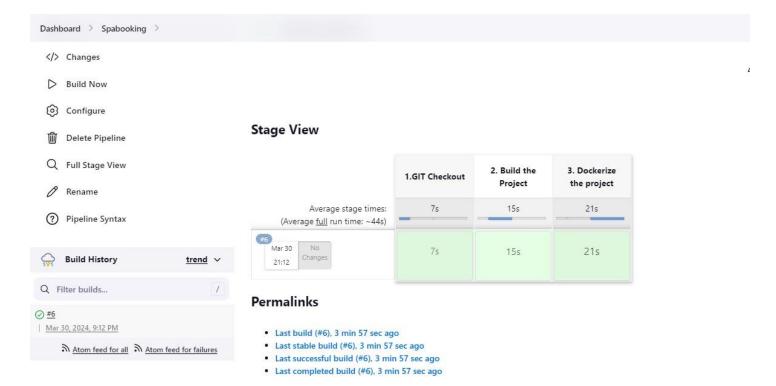
```
C: > Users > priyadharshini.mu > Downloads > 🐠 SpasitetestingTest.cs > ધ SpasitetestingTest > 😭 spasitetesting
        [Test]
        0 references | Run Test | Debug Test
        public void spasitetesting() {
           driver.Navigate().GoToUrl("http://localhost:3000/Signup");
           driver.Manage().Window.Size = new System.Drawing.Size(699, 728);
          driver.FindElement(By.Name("email")).Click();
 34
          driver.FindElement(By.Name("email")).SendKeys("Yalini@gmail.com");
           driver.FindElement(By.Name("password")).Click();
           driver.FindElement(By.Name("password")).SendKeys("Yalini");
           driver.FindElement(By.Name("confirmpassword")).Click();
           driver.FindElement(By.Name("confirmpassword")).SendKeys("Yalini");
           driver.FindElement(By.LinkText("Submit")).Click();
           Assert.That(driver.SwitchTo().Alert().Text, Is.EqualTo("User Registered successfuly"));
            var element = driver.FindElement(By.CssSelector(".submit"));
 44
             Actions builder = new Actions(driver);
            builder.MoveToElement(element).Perform();
           driver.FindElement(By.LinkText("SPA SERVICES")).Click();
           driver.FindElement(By.CssSelector(".form-control")).Click();
           driver.FindElement(By.CssSelector(".form-control")).SendKeys("hot");
           driver.FindElement(By.LinkText("Book Now")).Click();
           js.ExecuteScript("window.scrollTo(0,353)");
           driver.FindElement(By.Id("name")).Click();
           driver.FindElement(By.Id("name")).SendKeys("Yalini");
           driver.FindElement(By.Id("age")).Click();
           driver.FindElement(By.Id("age")).SendKeys("26");
           driver.FindElement(By.Id("tel")).Click();
           driver.FindElement(By.Id("tel")).SendKeys("9515515151");
           driver.FindElement(By.Name("serviceId")).Click();
```



#### JENKINS FOR FRONTEND:

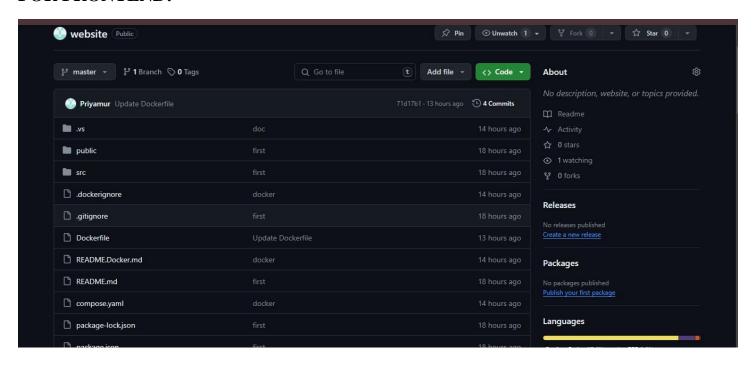


#### **JENKINS FOR BACKEND:**



#### **GIT REPOSITORY:**

#### FOR FRONTEND:



#### **FOR BACKEND:**

