



**SRI LANKA INSTITUTE OF ADVANCED TECHNOLOGICAL
EDUCATION**

GROUP PROJECT FINAL REPORT

Medical Center Website (V Care medical center)

Department of Information Technology

Advanced Technological Institute

Kegalle

2022

Declaration

We hereby declare that the project report entitled “ VCare Medical Center (Medical center Website)” has been prepared and submitted by us, for the partial fulfilment of Higher National Diploma in Information Technology.

We also declare that this project report is our original work and has not been previously submitted for any degree or diploma from any other institutes and universities.

- Name of Candidate :
- Signature of Candidate :
- Date :

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Abstract

We have prepared this project as an IT Group project in Our first year second semester at Advanced Technological institute. There are all the details we have given completely under the topic of “Medical center Website (V Care medical center)”. The purpose of this website is to introduce user friendly website for all the users. I want to update our medical center ‘s health care services and make online appointments with people through online. Therefore people can schedule appointments with various medical professionals, reducing wait times and simplifying access to health care.

Acknowledgement

We are much grateful as we managed to complete this Group Project successfully within the allocated duration of time First of all, we would like to express our sincere gratitude to our lecturer **Mrs. Y.M.R. Dilhani Wepathana** who provided us with this opportunity and the guidance and support rendered. We also take this opportunity to express a deep sense of gratitude to all our friends and family members who helped to do this project and offered ideas to make it better.

Thank you

Chapter Summaries

Chapter 1 :

1.1 Introduction :

In the age of digital transformation, the interface between healthcare providers and patients has evolved, Therefore V Care Medical Center recognizes the pivotal role of technology in enhancing patient care and accessibility medical center website, a platform designed to seamlessly connect patients with our services, resources, and healthcare professionals. This website Provides a user-friendly platform for patients to schedule appointments with various medical professionals, reducing wait times, simplifying access to healthcare and promote better. And streamline center operations by automating appointment scheduling, reducing administrative costs, and facilitating communication with patients.

1.2 Project Background :

Our project is Medical Center Website. It is made up of Visual studio code app (Html, CSS , PHP and Java script) . Nowadays most people like to go online for everything. Patients are increasingly turning to the internet to research health information, find doctors, and schedule appointments. A user-friendly website allows patients to access this information at their convenience and empowers them to take a more active role in their healthcare. The proposed project is an Online Appointments scheduling system for VCare medical center, by creating an online appointment platform, allowing patients to easily schedule appointments at their convenience. This can help reduce long wait times and improve overall This can help reduce long wait times and improve overall patient satisfaction. By allowing patients to book appointments online, medical center can better manage their appointment slots and reduce the risk of overbooking or double-booking appointments. As well as easy to update the medical center 's services, resources and healthcare professionals. So it helps to user to know about our details by displays contents in website.

1.3 Aims and Objectives :

Aims :

The aim of this project is to develop a user-friendly and informative website for the medical Channelling center that streamlines patient experience, promotes services, and enhances the Center's overall online presence.

Objectives :

The main objective of this project is to enable patients to easily schedule and manage medical Appointments with healthcare providers.

➤ Other objectives are :

- Create a user-friendly interface accessible across various devices, ensuring convenience for patients of all technical backgrounds.
- This user-friendly platform will enhance the patient experience and promote better communication between the medical center and the community.
- Implement strong security measures to safeguard patient data and comply with healthcare privacy regulations.
- Showcase detailed profiles of healthcare providers, including qualifications and Patient reviews, to assist patients in making informed decisions.
- Provide accurate, up-to-date information about the medical center's services, facilities, healthcare providers, specialties, and operating hours, ensuring transparency and clarity for patients and visitors.
- Enable easy and convenient online appointment scheduling for patients, allowing them to select preferred dates, times, and healthcare providers, streamlining the booking process and reducing wait times.
- Automated Appointment Reminders – Reduce no-show rates by implementing automated reminders via email or SMS to enhance patient compliance.
- Establish a feedback system to gather patient reviews, promoting continuous Improvement in service quality. Provide a comprehensive FAQ section addressing common queries related appointments, procedures

Chapter 2:

2.1 Detail Description of The Features :

2.1.1 Front End :

- **Home Page :**

The home page of this medical center website providing people with their first impression of our medical center Here's a detailed description of the features on my website's home page.

- **Navigation :**

The top of the home page includes the medical center's Logo, Main Navigation Menu (Home, Service, Doctor, Review, Contact Us) and Book Now button. Which will lead to directly Book Now Page and allows to people to simplifying access to healthcare services. The Hamburger button is located at the top of the home page. If we click the Hamburger button, it will display main navigation menu in every page.

- **Text / Welcome Message :**

A short and catchy headline or text that conveys about our clinical center.

- **Reserve Button :**

When users click this button it will leads to service page direct.

- **Footer :**

- **Essential website links :**

Include links to primary pages like Home, Services, Contact Us, and etc..

- **Social media icons :**

Link to the medical center's profiles on relevant social media platforms (Facebook, Twitter, etc.)

- **Contact Information :**

Display the medical center's physical Address, Email Address, Phone number and link to a full Contact page.

- **Service Page :**

When creating service page for a clinical center website, It's essential to provide our service details and making it easy for users to find the care they need.

- Top this page we have logo, navigation menu and Hamburger button.
- Out lines the various treatment approaches available for each condition.
- By providing a well-structured and informative Services page, the clinical center can empower patients to make informed decisions about their healthcare and navigate the center's offerings with ease.
- If we click the photo transition It will show our devices and also people can choose the services they want easily.
- Footer :
 - Essential website links :
Include links to primary pages like Home, Services, Contact Us, and etc..
 - Social media icons :
Link to the medical center's profiles on relevant social media platforms (Facebook, Twitter, etc.)
 - Contact Information :
Display the medical center's physical Address, Email Address, Phone Number and link to a full Contact page.

- **Doctors Page :**

The Doctor's page on a medical center website should serve as a resource for patients seeking information about a specific doctor.

- Top this page we have logo, navigation menu and Hamburger button.
- Professional headshot: A friendly and professional photo helps patients connect with the doctor. When users click the doctor's picture it will directly leads to Book Now page and they can make appointment using a form which is located in Book Now page.
- Indicate the doctor's primary area of specialization. (cardiology, paediatrics, dermatology, etc..)
- Social Media Link :
 - Include links tom the doctor's professional social media profiles.
 - Text bar
 - Include some greetings.
- Footer :
 - Essential website links :

Include links to primary pages like Home, Services, Contact Us, and etc..
 - Social media icons :

Link to the medical center's profiles on relevant social media platforms (Facebook, Twitter, etc.)
 - Contact Information :

Display the medical center's physical Address, Email Address, Phone number and link to a full Contact page.

- **Review Page :**

A Review page on a medical center website serves two important purposes, showcasing positive patient experiences and providing a platform for potential patients to gather valuable insight.

- Top this page we have logo, navigation menu and Hamburger button.
- Star rating system: Implement a clear star rating system to indicate overall satisfaction.
- Written testimonials: Showcase a selection of written testimonials from satisfied patients, adding a personal touch.
- Privacy protection: With written testimonials, anonymize patient names or initials to protect privacy (with their consent).
- Footer :
 - Essential website links :
Include links to primary pages like Home, Services, Contact Us, and etc..
 - Social media icons :
Link to the medical center's profiles on relevant social media platforms (Facebook, Twitter, etc.)
 - Contact Information :
Display the medical center's physical Address, Email Address, Phone number and link to a full Contact page.

- **Contact Us Page :**

The contact us feature on a medical center website is a people engagement feature that allows visitors to easily get in touch with the medical center for various purposes.

- Top this page we have logo, navigation menu and Hamburger button.
- Contact Information :
 - The talk to us feature usually includes a section that provides essential contact information such as medical center's phone number, Physical address and Email address.
 - This ensure that users have various options to reach out.
- Social Media Links :
 - Making it easy for users to connect with the medical center.
- Online contact form :
 - Include a user-friendly form for visitors to submit non-urgent questions or requests for information.

- **Book Now Page :**

The "Book Now" page on a medical center website should streamline the appointment scheduling process for patients

- Top this page we have logo, navigation menu and Hamburger button.
- Clear calendar view Display an easy-to-understand calendar interface for selecting appointment dates and times.
- Simple and secure form Request only essential information needed for scheduling, such as name, phone number, email address, and insurance details (if applicable).
- Immediate confirmation Provide immediate confirmation of the appointment booking via email or SMS.
- Appointment details Include all relevant details in the confirmation, such as date, time, doctor's name, appointment type, and location (if applicable).
- Footer :
 - Essential website links :
Include links to primary pages like Home, Services, Contact Us, and etc..
 - Social media icons :
Link to the medical center's profiles on relevant social media platforms (Facebook, Twitter, etc.)
 - Contact Information :
Display the medical center's physical Address, Email Address, Phone number and link to a full Contact page.

2.1.2 Back End :

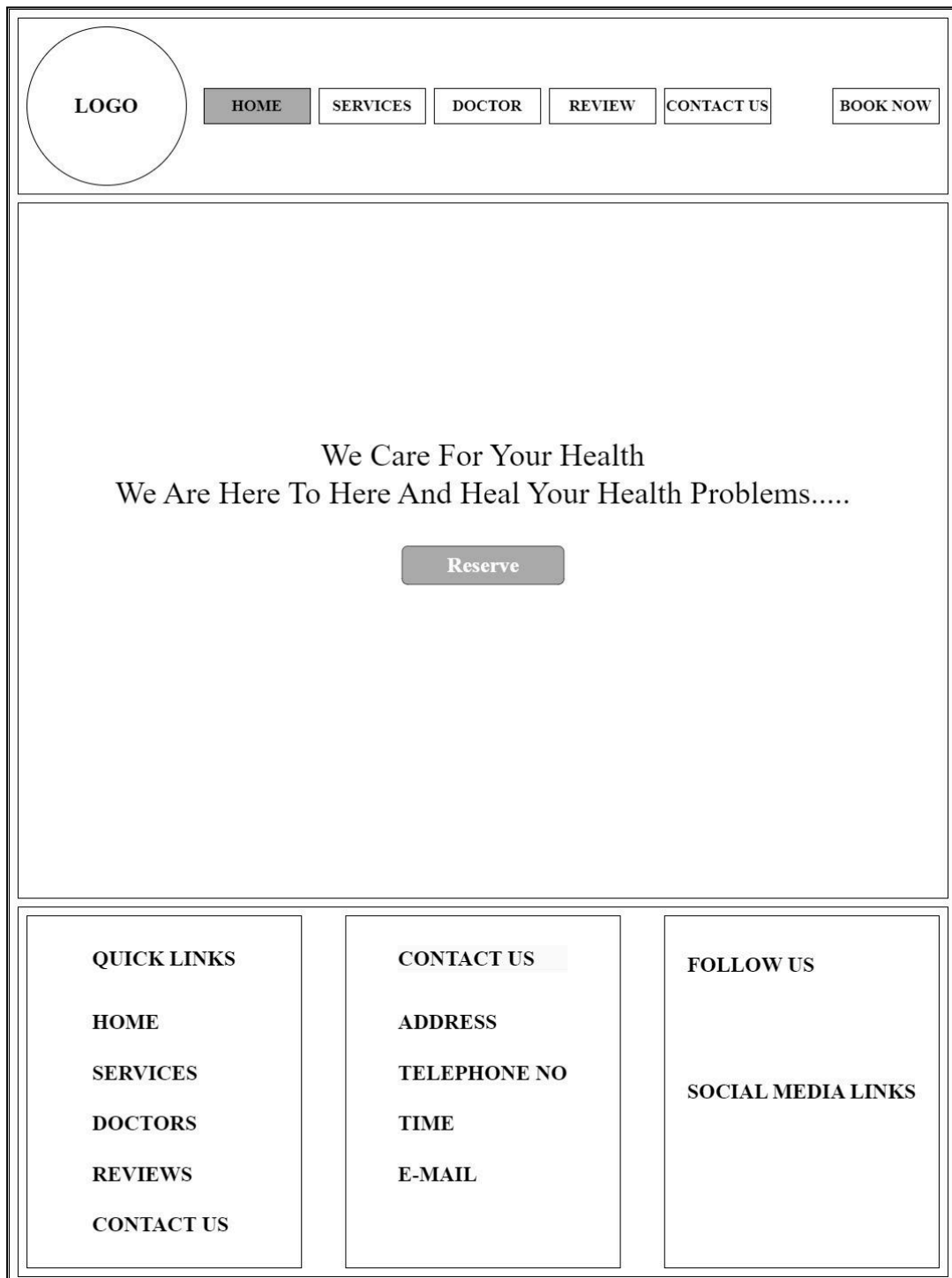
- **Dashboard :**

2.1 Design and Implementation :

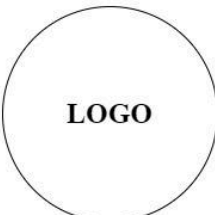
Design

2.1.1 Front End :

- Home Page :



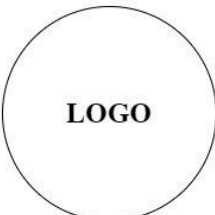





- **Service Page :**

 LOGO	HOME	SERVICES	DOCTOR	REVIEW	CONTACT US	BOOK NOW
IMAGE	IMAGE	IMAGE	IMAGE	IMAGE	IMAGE	IMAGE
IMAGE	IMAGE	IMAGE	IMAGE	IMAGE	IMAGE	IMAGE
IMAGE	IMAGE	IMAGE	IMAGE	IMAGE	IMAGE	IMAGE
QUICK LINKS HOME SERVICES DOCTORS REVIEWS CONTACT US	CONTACT US ADDRESS TELEPHONE NO TIME E-MAIL	FOLLOW US SOCIAL MEDIA LINKS				

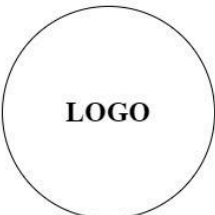
- **Doctors Page :**

<div> <div>LOGO</div> <div> <div>HOME</div> <div>SERVICES</div> <div>DOCTOR</div> <div>REVIEW</div> <div>CONTACT US</div> <div>BOOK NOW</div> </div> </div>			
<div> <div>IMAGE</div> <div>NAME & DETAILS</div> </div>	<div> <div>IMAGE</div> <div>NAME & DETAILS</div> </div>	<div> <div>IMAGE</div> <div>NAME & DETAILS</div> </div>	<div> <div>IMAGE</div> <div>NAME & DETAILS</div> </div>
<div> <div>IMAGE</div> <div>NAME & DETAILS</div> </div>	<div> <div>IMAGE</div> <div>NAME & DETAILS</div> </div>	<div> <div>IMAGE</div> <div>NAME & DETAILS</div> </div>	<div> <div>IMAGE</div> <div>NAME & DETAILS</div> </div>
<div> <div>QUICK LINKS</div> <div>HOME</div> <div>SERVICES</div> <div>DOCTORS</div> <div>REVIEWS</div> <div>CONTACT US</div> </div>	<div> <div>CONTACT US</div> <div>ADDRESS</div> <div>TELEPHONE NO</div> <div>TIME</div> <div>E-MAIL</div> </div>	<div> <div>FOLLOW US</div> <div>SOCIAL MEDIA LINKS</div> </div>	

- **Review Page :**

	HOME	SERVICES	DOCTOR	REVIEW	CONTACT US	BOOK NOW
<h2>REVIEWS</h2>						
<div><h3>Add A Review</h3><p>Name : <input type="text"/></p><p>E mail : <input type="text"/></p><p>Review Details : <input type="text"/></p><p>Rating : <div><div>1 Star</div><div>v</div></div></p><p>SUBMIT REVIEW</p></div>						
						
<h3>QUICK LINKS</h3> <p>HOME</p> <p>SERVICES</p> <p>DOCTORS</p> <p>REVIEWS</p> <p>CONTACT US</p>		<h3>CONTACT US</h3> <p>ADDRESS</p> <p>TELEPHONE NO</p> <p>TIME</p> <p>E-MAIL</p>		<h3>FOLLOW US</h3> <p>SOCIAL MEDIA LINKS</p>		

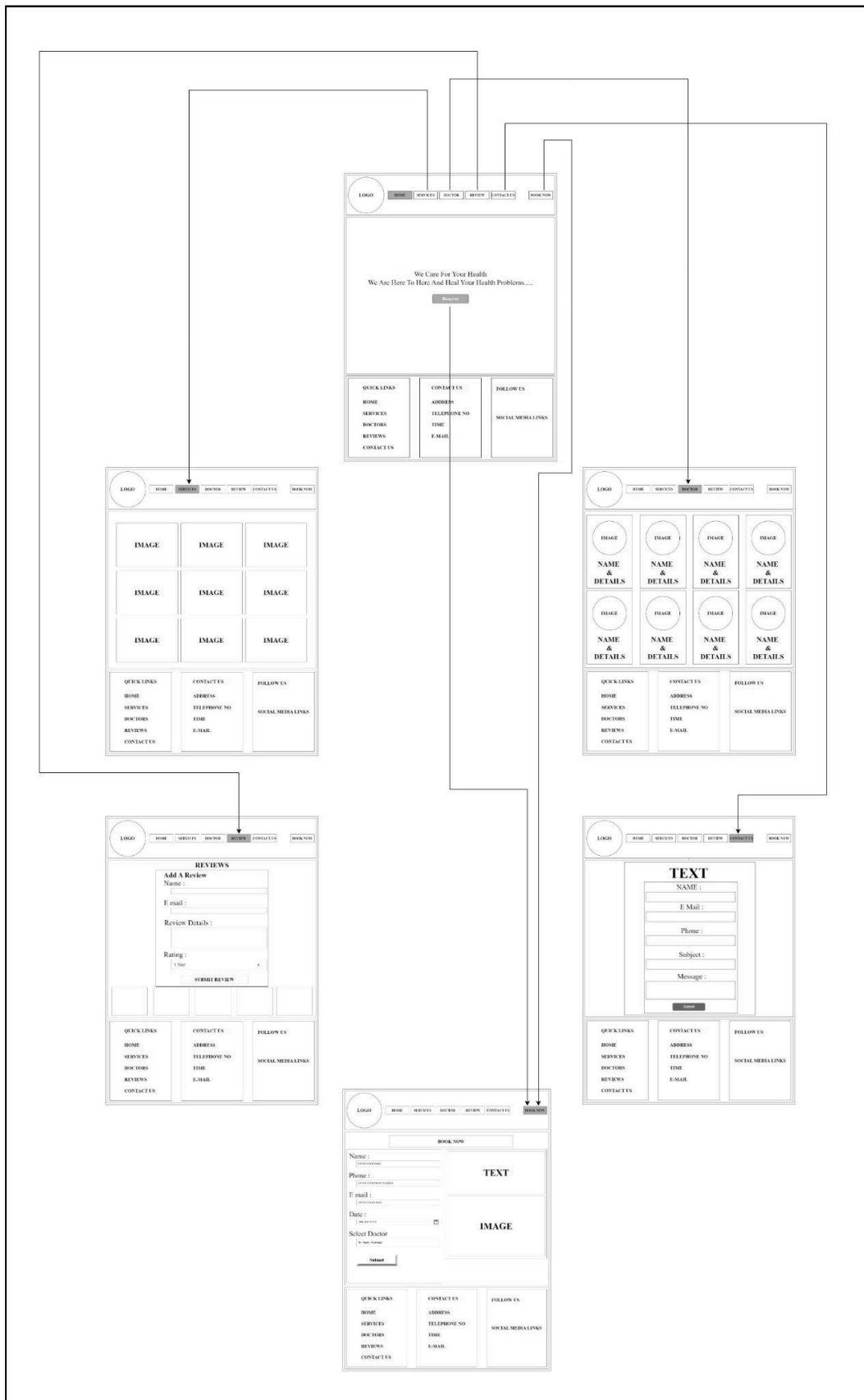
- **Contact Us Page :**

	<div>HOME</div> <div>SERVICES</div> <div>DOCTOR</div> <div>REVIEW</div> <div>CONTACT US</div>					<div>BOOK NOW</div>
	<div>TEXT</div> <div> NAME : <input type="text"/> </div> <div> E Mail : <input type="text"/> </div> <div> Phone : <input type="text"/> </div> <div> Subject : <input type="text"/> </div> <div> Message : <input type="text"/> </div> <div>Submit</div>					
<div>QUICK LINKS</div> <div>HOME</div> <div>SERVICES</div> <div>DOCTORS</div> <div>REVIEWS</div> <div>CONTACT US</div>		<div>CONTACT US</div> <div>ADDRESS</div> <div>TELEPHONE NO</div> <div>TIME</div> <div>E-MAIL</div>		<div>FOLLOW US</div> <div>SOCIAL MEDIA LINKS</div>		

- **Book Now Page :**

<div> <div>LOGO</div> <div> HOME SERVICES DOCTOR REVIEW CONTACT US BOOK NOW </div> </div>		
<div>BOOK NOW</div> <div> <div> <div> Name : <input type="text" value="ENTER YOUR NAME"/> </div> <div> Phone : <input type="text" value="ENTER YOUR PHONE NUMBER"/> </div> <div> E mail : <input type="text" value="ENTER YOUR EMAIL"/> </div> <div> Date : <input type="text" value="MM / DD / YYYY"/> </div> <div> Select Doctor <input type="text" value="Dr . Smith - Neurologist"/> </div> <div>Submit</div> </div> <div> <div>TEXT</div> <div>IMAGE</div> </div> </div>		
<div>QUICK LINKS</div> <div> HOME SERVICES DOCTORS REVIEWS CONTACT US </div>	<div>CONTACT US</div> <div> ADDRESS TELEPHONE NO TIME E-MAIL </div>	<div>FOLLOW US</div> <div> SOCIAL MEDIA LINKS </div>

Interaction :



2.1.2 Back End :

- **Dashboard :**

The dashboard serves as the central hub for users, providing a personalized overview of pertinent information and functionalities. Leveraging PHP, we dynamically generate content tailored to each user's preferences and permissions, fostering an intuitive and user-centric experience.

Admin Dashboard	NEW BOOKINGS
Dashboard	1
Booking	
Review	
Contact Us	

- **Bookings :**

In the booking page, PHP orchestrates the handling of user requests related to booking functionalities. From processing form submissions to interacting with the MySQL database to store and retrieve booking information, this page epitomizes the dynamic nature of our backend implementation.

Admin Dashboard		NEW BOOKINGS				
Dashboard		NAME	PHONE	EMAIL	DATE	DOCTOR
Booking						
Review						
Contact Us						

Admin Dashboard		OLD BOOKINGS DETAILS				
Dashboard		NAME	PHONE	EMAIL	DATE	DOCTOR
Booking						
Review						
Contact Us						

- **Reviews :**

In the booking page, PHP orchestrates the handling of user requests related to booking functionalities. From processing form submissions to interacting with the MySQL database to store and retrieve booking information, this page epitomizes the dynamic nature of our backend implementation.

Admin Dashboard	REVIEWS			
Dashboard	NAME	EMAIL	MESSAGE	REVIEW
Booking				
Review				
Contact Us				

- **Contact Us :**

The contact us page serves as a gateway for users to connect with the platform administrators.

Admin Dashboard

Dashboard

Booking

Review

Contact Us

CONTACT US RECORDS

NAME	EMAIL	PHONE	SUBJECT	MESSAGE	ACTION

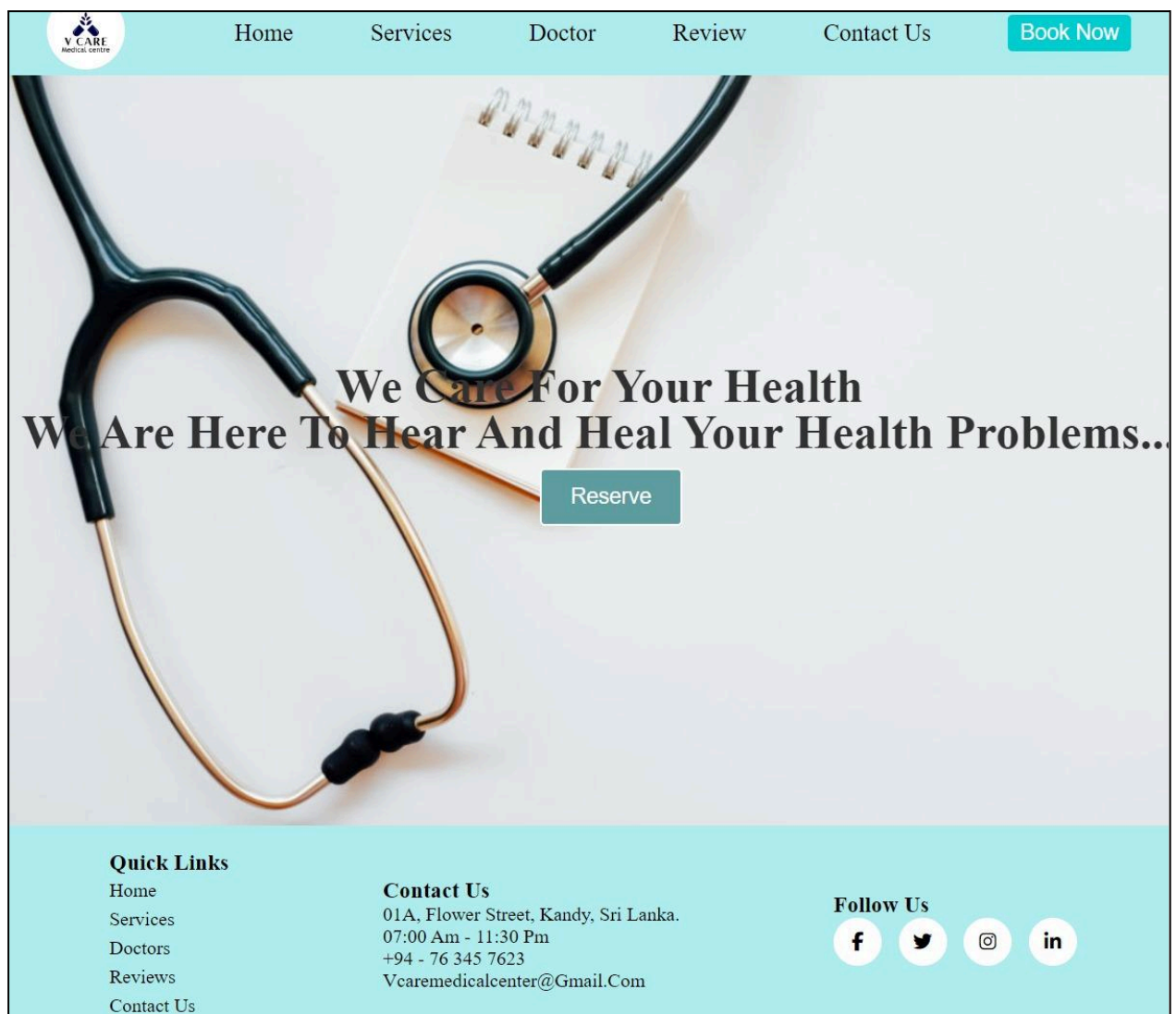
<div>Admin Dashboard</div> <div>Dashboard</div> <div>Booking</div> <div>Review</div> <div>Contact Us</div>	<div>CONTACT US RECORDS OLD</div> <table><tr><th>NAME</th><th>EMAIL</th><th>PHONE</th><th>SUBJECT</th><th>MESSAGE</th></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>	NAME	EMAIL	PHONE	SUBJECT	MESSAGE										
NAME	EMAIL	PHONE	SUBJECT	MESSAGE												

Implementation

2.1.1 Front End :

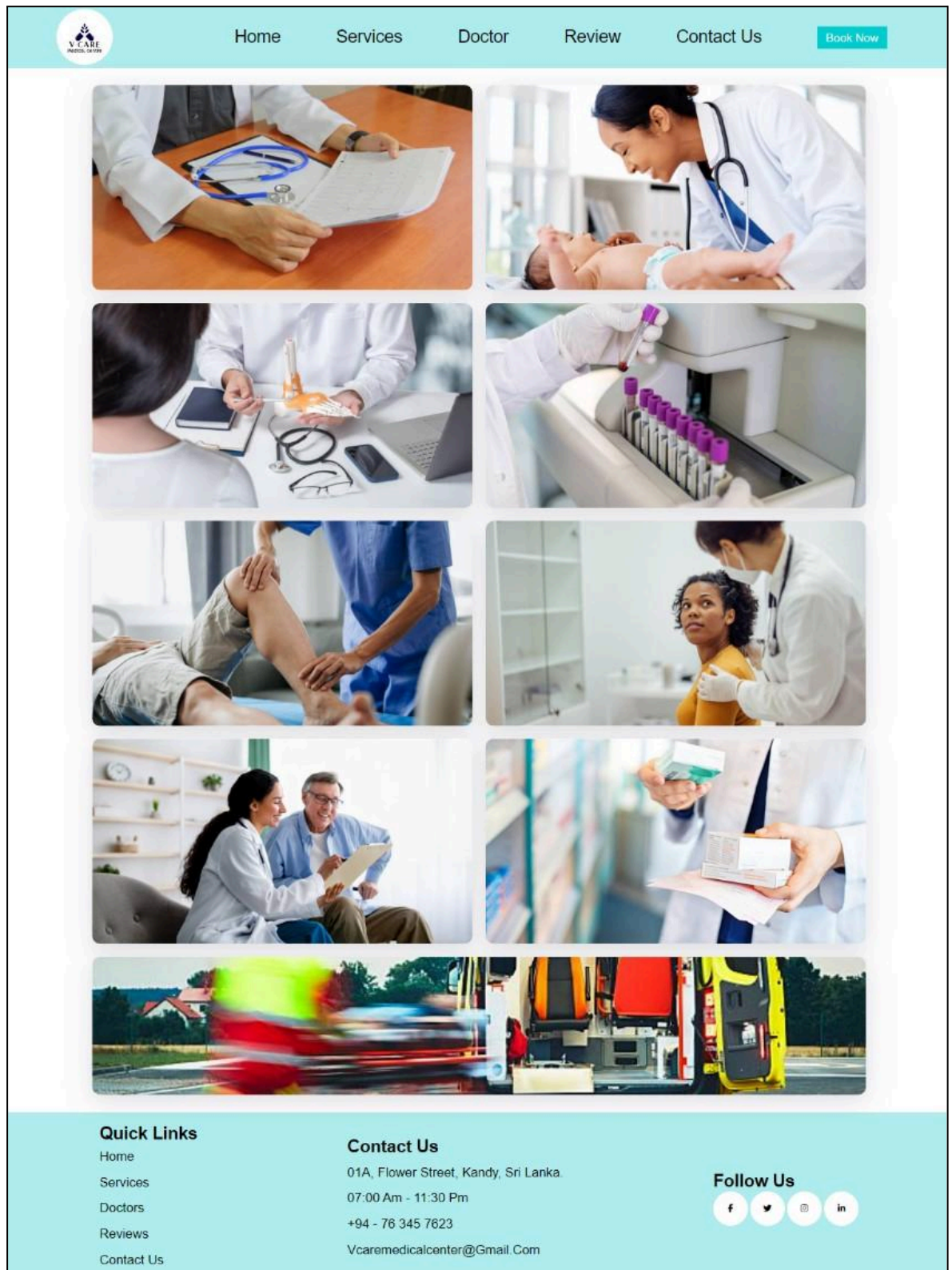
- **Home Page :**

This is the home page of this website. That providing visitors with their first impression of our medical center and it should encourage visitors to explore more and learn more about the V Care medical center.



- **Service Page :**

This is the page which showing our medical center's services. It's essential to provide our service details and making it easy for users to find the care they need.



- **Doctors Page :**

The Doctor's page on a medical center website should serve as a resource for patients seeking information about a specific doctor.

[Home](#)[Services](#)[Doctor](#)[Review](#)[Contact Us](#)[Book Now](#)

Our Doctors



Dr. Chaminda Jayawardena
Psychiatrist



Dr. Nimali Silva
Pediatrician




Dr. Mahesh Gunawardena
Orthopedic Surgeon



Dr. Anusha Fernando
Dermatologist



Dr. Ranjith Rajapakse
Gastroenterologist



Dr. Shalin Wijesinghe
Gynecologist



Dr. Nafla
Neurologist



Dr. Nuwan Perera
ENT Specialist

Quick Links
[Home](#)
[Services](#)
[Doctors](#)
[Reviews](#)
[Contact Us](#)

Contact Us
01A, Flower Street, Kandy, Sri Lanka.
+94 - 76 345 7623
Vcaremedicalcenter@gmail.com

Follow Us
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- **Review page :**

This is Review page. Review page on a medical center website serves two important purposes, showcasing positive patient experiences and providing a platform for potential patients to gather valuable insight.

Reviews

Add A Review

Name:

Email:

Review Details:

Rating:

Nasran

Email: Nasran@Nasran.Com

Message: Good Service

Rating: ★★★★★

Afra

Email: Afra@Afra.Com

Message: Good Service!!!

Rating: ★★★★★

Test

Email: Test@Gmail.Com

Message: Ghj

Rating: ★★★★★

Afrah

Email: Na@Na.Com

Message: Good Service

Rating: ★★★★★

Test2

Email: Test2@Test.Com

Message: Sdsa

Rating: ★★★★★

Quick Links

Home

Services

Doctors

Reviews

Contact Us

Contact Us





01A, Flower Street, Kandy, Sri Lanka.

07:00 Am - 11:30 Pm

+94 - 76 345 7623

Vcaremedicalcenter@Gmail.Com

Follow Us

- **Contact Us page :**

The contact us page on a medical center website is a customer engagement feature. That allows visitors to easily get in touch with the medical center for various purpose.

VCARE MEDICAL CENTRE

Home Services Doctor Review Contact Us [Book Now](#)

Get In Touch With Us

Welcome To VCare Medical Centre. We're Here To Assist You With All Your Healthcare Needs. Please Reach Out Using The Information Below.

Name:

Email:

Phone:

Subject:

Message:

[Submit](#)


Quick Links
[Home](#)
[Services](#)
[Doctors](#)
[Reviews](#)
[Contact Us](#)

Contact Us
01A, Flower Street, Kandy, Sri Lanka.
07:00 Am - 11:30 Pm
+94 - 76 345 7623
Vcaredmedicalcenter@Gmail.Com

Follow Us
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- **Book Now Page :**

The "Book Now" page on a medical center website should streamline the appointment scheduling process for Patients. As well as it allows people to make their appointment through online directly this page.



[Home](#) [Services](#) [Doctor](#) [Review](#) [Contact Us](#) [Book Now](#)

Book Now

Name:

Phone:

Email:


Date:

Select Doctor:

Dr. Smith - Neurologist

Book Us Now

Welcome To Our Booking Page. Please Fill In The Form To Schedule An Appointment. Our Team Will Get In Touch With You Shortly To Confirm Your Booking. If You Have Any Questions, Feel Free To Contact Us.



Quick Links

- [Home](#)
- [Services](#)
- [Doctors](#)
- [Reviews](#)
- [Contact Us](#)

Contact Us

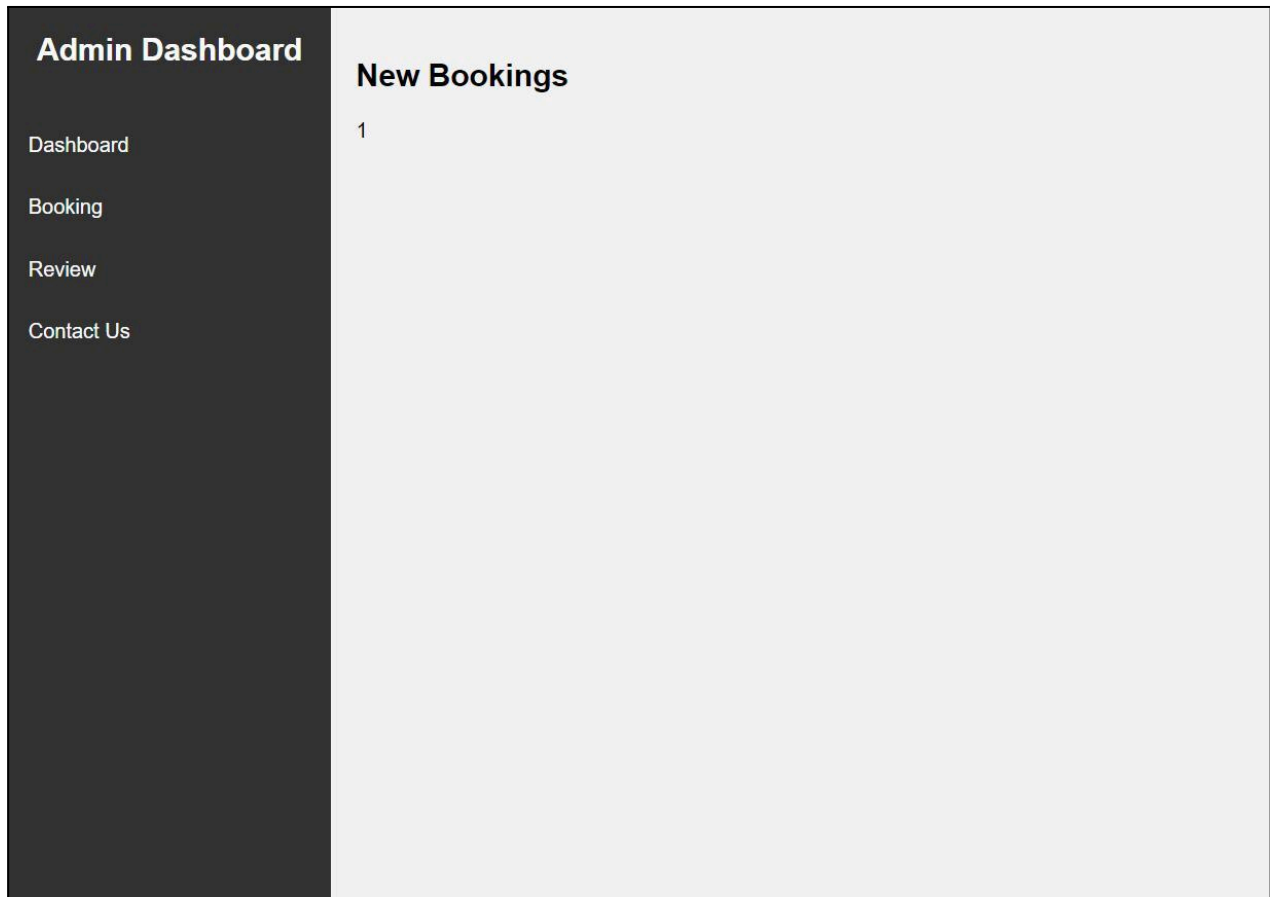
01A, Flower Street, Kandy, Sri Lanka.
07:00 Am - 11:30 Pm
+94 - 76 345 7623
Vcaremedicalcenter@Gmail.Com

Follow Us



2.1.2 Back End :

- **Dashboard :**



- Bookings :

Admin Dashboard	New Bookings					
	Dashboard					
	Booking					
	Review					
	Contact Us					
		Name	Phone	Email	Date	Doctor
		fruh	7567829927	ajmhmd66@gmail.com	2024-05-25	dr_jones
		hishma	21321321	afranasir5981@gmail.com	2024-05-24	dr_smith
		afrah	0000000000	afranasir5169@gmail.com	2024-05-13	dr_smith

Admin Dashboard	Old Booking Details				
	Dashboard				
	Booking				
	Review				
	Contact Us				
		Name	Phone	Email	Date
		afra	0000000000	afranasir5981@gmail.com	2024-06-06

- **Review :**

Admin Dashboard		Reviews	
Dashboard			
Booking			
Review			
Contact Us			

Name	Email	Message	Review
nasran	nasran@nasran.com	good service	3
afra	afra@afra.com	good service!!!	4
test	test@gmail.com	ghj	4
afrah	na@na.com	Good service	4
test2	test2@test.com	sdsa	1

- **Contact Us :**

Admin Dashboard		Contact Us Records				
Dashboard						
Booking						
Review						
Contact Us						
		Name	Email	Phone	Subject	Message
		hishma	afranasir5981@gmail.com	21321321	sa	asdsa
		Mark as Completed				
		afrah	afranasir5169@gmail.com	0000000000	gastritis	huue3fui3fg7v297bjgf3
		Mark as Completed				

Admin Dashboard		Contact Us Records				
Dashboard						
Booking						
Review						
Contact Us						
		Name	Email	Phone	Subject	Message
		asd	asdsad@gmail.com	47476476476	qwdsasa	sdassadsa

Chapter 3 :

3.1 Budget Details :

- Hosting : Rs.6000 - Rs.7500 Per Month
- Domain Name : Rs.5000 Per Year
- SSL Certificate : Rs.8500 Per Year

3.2 Conclusion :

This medical website provides clear information about V Care Medical Center's healthcare services and online appointment schedule details. So by creating this website we can give extra facilities to people and it will be more convenient for them and they can reach us in both ways.

3.2.1 Future Proposal :

- Patients can view their medical reports and manage their health information all in one place through website.
- Chat bots can answer basic questions and triage patients.
- Patients can connect with doctors virtually for consultations.
- Website will make it easier for patients to access care remotely, through features like scheduling online appointments for video conferencing.
- Website will promote preventative care by providing patients with information on healthy living, screenings and vaccination.

3.2.2 Problems :

- Coding complexities and errors occurred while coding.
- Security concerns.
- Difficulties in finding facts, like required images and information.

References :

1. <https://pinterest.com/>
2. <https://www.w3schools.com/html/>
3. <http://youtube.com>
4. Anon, Container: Student Project Guidance and Development, Student Project Guide
<https://studentprojectguide.com>

Group Members :

1. KEG/IT/2022/F/0032
2. KEG/IT/2022/F/0041
3. KEG/IT/2022/F/0053
4. KEG/IT/2022/F/0102
5. KEG/IT/2022/F/0117