

A
Project Report
On
"HEALTHCAREIFY"

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Submitted at



CSE

DEPSTAR

CERTIFICATE

This is to certify that the report entitled “**HEALTHCAREIFY**” is a bonafied work carried out by **Parth Patel(19DCS098)**, **Shruti Patel(19DCS102)** and **Saumya Shah(19DCS133)** under the guidance and supervision of **Assistant Prof. Aishwariya Budhrani** for the subject **[CE 244] Software Group Project-II (CSE)** of 4th Semester of Bachelor of Technology in **DEPSTAR** at Faculty of Technology & Engineering – CHARUSAT, Gujarat.

To the best of my knowledge and belief, this work embodies the work of candidate himself, has duly been completed, and fulfills the requirement of the ordinance relating to the B.Tech. Degree of the University and is up to the standard in respect of content, presentation and language for being referred to the examiner.

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ACKNOWLEDGEMENT

- We, the developers of “HEATHCAREIFY”, with immense pleasure and commitment would like to present the project assignment. The development of this project has given us wide opportunity to think, implement and interact with various aspects of management skills as well as the new emerging technologies.
- We hereby avail this opportunity to express our gratitude to number of people who extended their valuable time, full support and cooperation in developing the project.

We express deep sense of gratitude towards our Head of the CSE Department, Dr. Parth Goel and project guides Prof. Aishwariya Budhrani for the support during the whole session of study and development. It is because of them, that we were prompted to do hard work, adopting new technologies.

Thanks,

Parth Patel(19DCS098)

Shruti Patel(19DCS102)

Saumya Shah(19DCS133)

ABSTRACT

- In this critical situation of COVID-19 that we are facing right now, HEALTHCAREIFY will play an important and crucial role in connecting the common people with the frontline healthcare workers.
- Fundamentally, HEALTHCAREIFY provides an ease to connect with your doctor.
- Because of present scenario, many businesses are making transition towards the online platforms. Healthcare sector being one of the main pillar of any country is not an exception.
- Also, as government of various countries have imposed strict restrictions on the movement of people and to mandatorily follow social distance which makes it difficult for people to access their family doctors.
- We are here with the solution for above problem.
- Now you can connect with your doctor online with the help of internet. You just need laptop or mobile phone and internet connection.

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PROJECT DEFINITION

- HEALTHCAREIFY- Bringing doctors at your phones is designed specifically to counter the gap that has been created between patients and their doctors in this critical situation of COVID-19.
- Our Main Aim is to connect you with your doctor with ease without having any kind of hassle
- The project will help in making fast transition of healthcare sector online.
- The project simply connects the people with doctors without stepping out of their house or clinic.

DESCRIPTION

HEALTHCAREIFY as the name suggest is having two main keywords:

1. **HEALTH**- the condition of a person's body or mind
 2. **CARE**- looking after somebody/something
- HEALTHCAREIFY is a platform on which people can directly contact their doctors.
 - People are not required to step out of their house and doctors are not required to step out of their clinic.
 - Just pick visit Healthcareify in phone or laptop and you can directly chat or do video call with your doctor.
 - We have tried to keep the User Interface of chat and video section as simple as possible so the patients will have no hassle while connecting.

Software and Hardware Requirements

HARDWARE REQUIREMENTS:

- Laptop/Smart Phone/PC/Tablet
- Camera with good resolution (minimum 10 Megapixel)
- Built-in/External Microphone

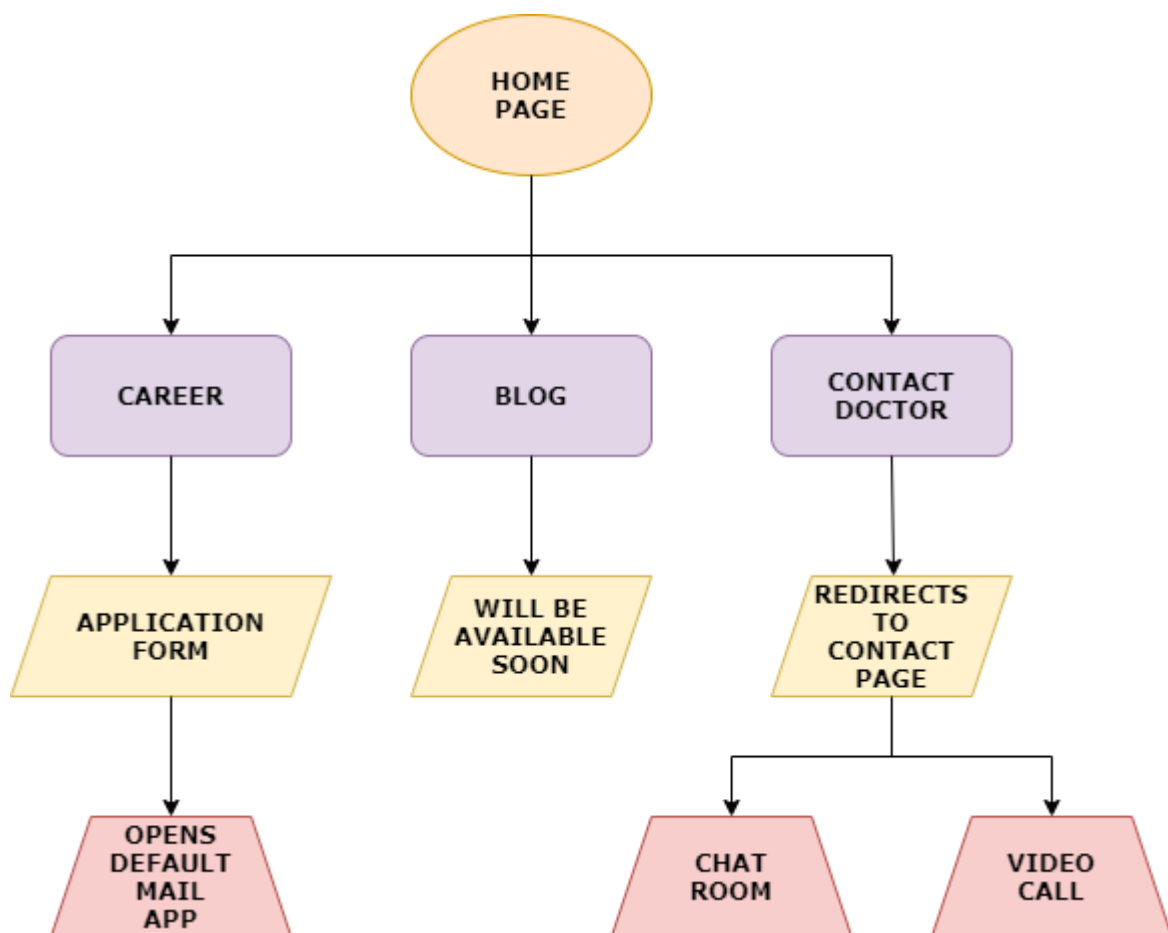
SOFTWARE REQUIREMENTS:

- Browser (Chrome is recommended)
- Proper Internet Connection

MAJOR FUNCTIONALITY AND FEATURES

- HEALTHCAREIFY is very Easy To Use
- The users do not have to spend extra money
- Free Account Creation
- 24/7 Availability
- Chatroom for each medical category
- Private Video Call Feature
- Medical Blog feature will be also available soon
- To access the website, one must to create account
- Then unlimited access to chatroom and video call is granted
- Your original name will not be displayed in chatroom and at one time
- multiple users can join a particular chat room
- Multiple Video calls are also possible

SYSTEM FLOW CHART



SCREENSHOTS

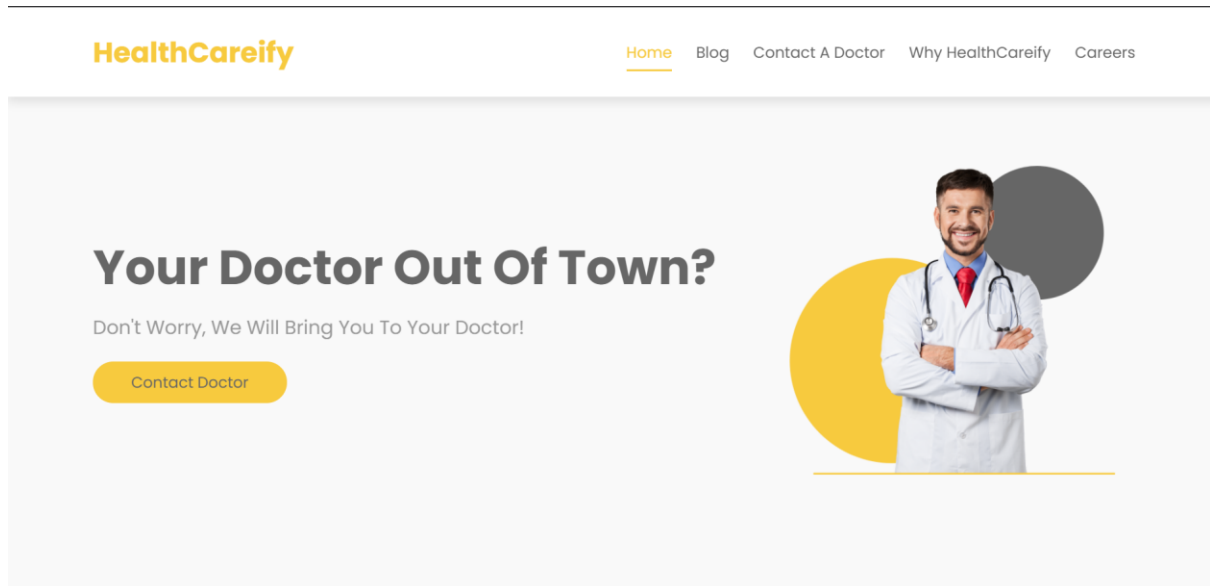


Fig 1- Home page header and first section



Figure-2 Home Page second section

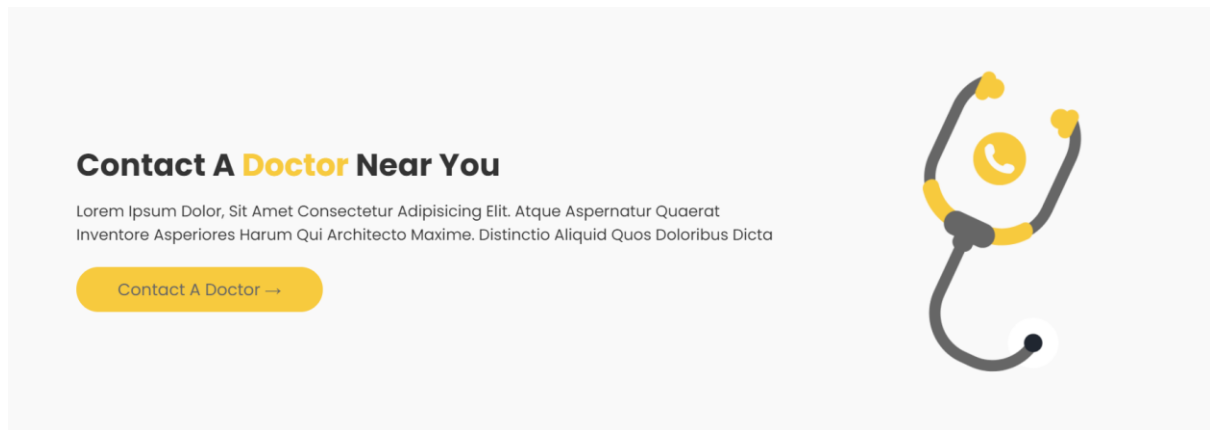


Figure 3-Home page third section

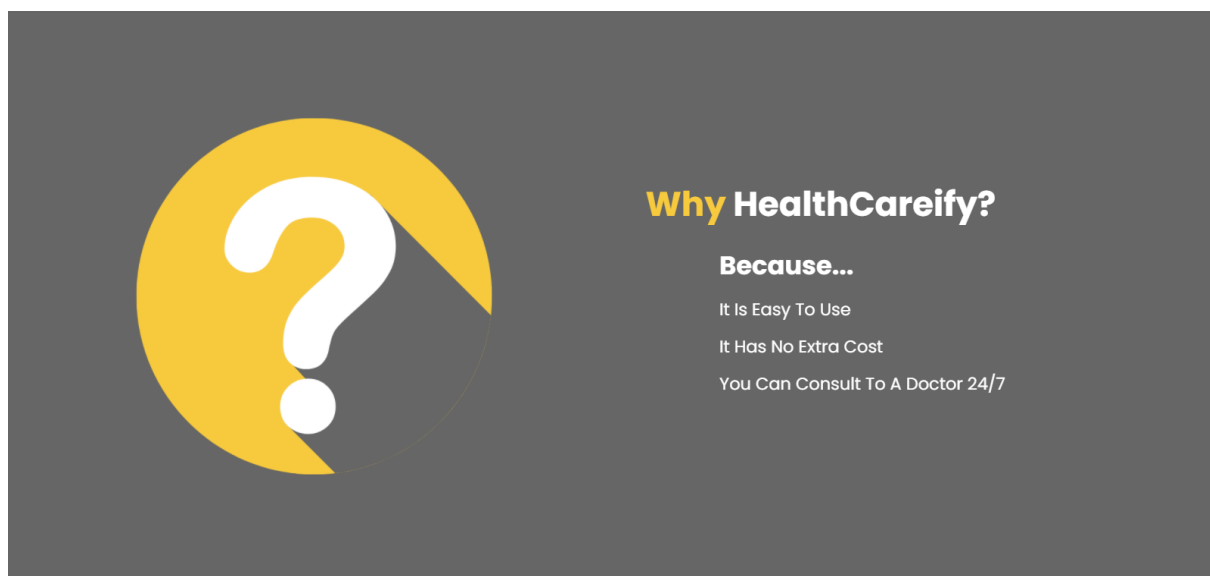


Figure 4-Home Page fourth section

Application Form

Full Name

Email address

Address

City Zip

Telephone

Start Date


Upload your CV: No file chosen

Figure 5- Application Form for doctors

Skip the travel!

Take Online Doctor Consultation

Consult with your favourite Doctor!!!



Chat With Available Doctor.

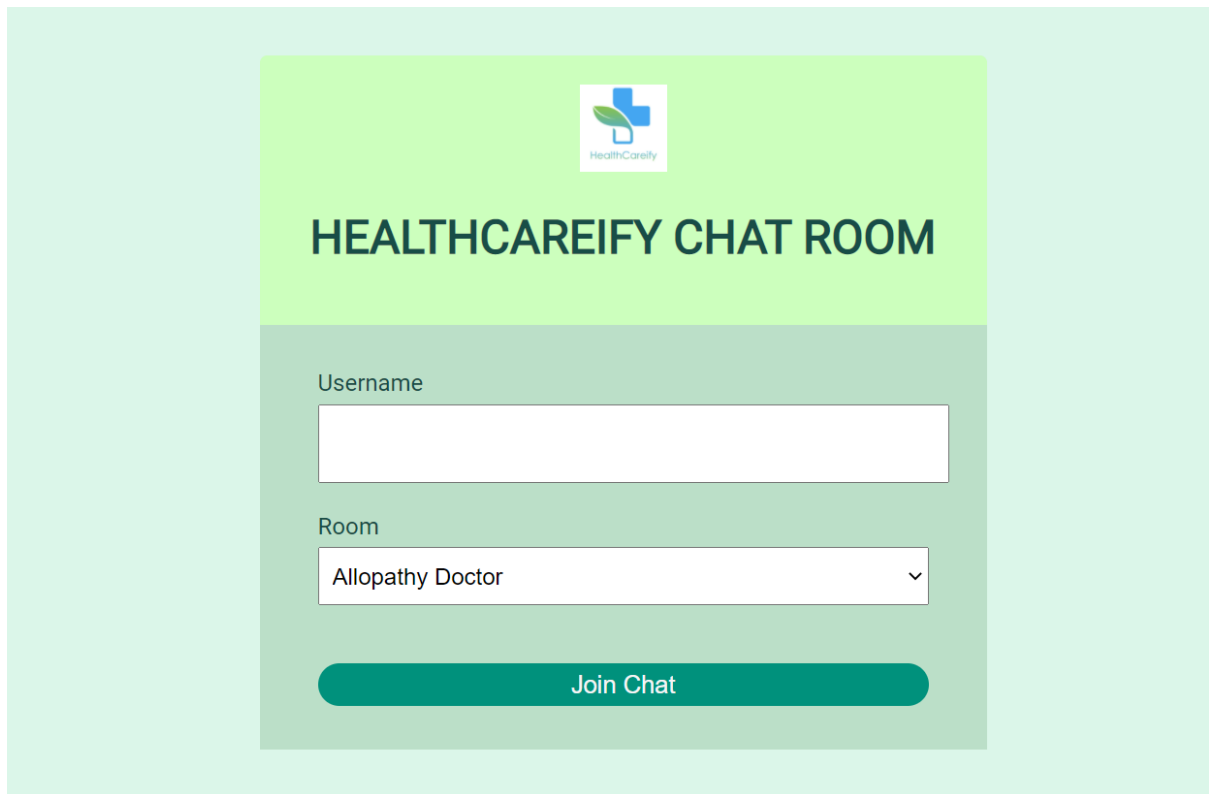
You can directly Chat with the Doctor.
Don't worry your privacy will be maintained.

Video Call with Available Doctor

You can directly Video Call with Doctor.
Don't worry your privacy will be maintained.

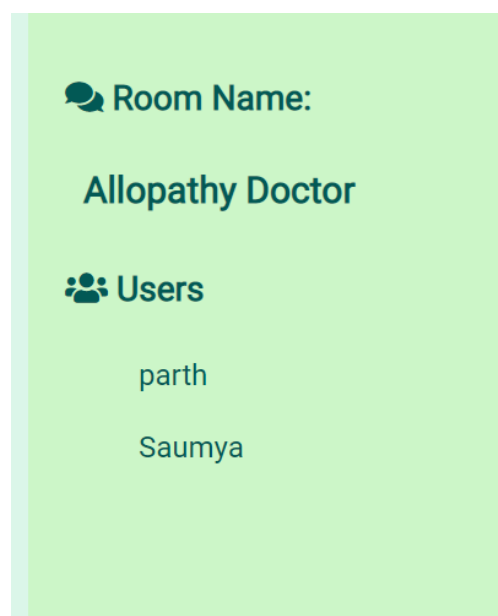
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Figure 6- Contact Doctor Page



The image shows a 'HEALTHCAREIFY CHAT ROOM' join form. At the top is the HealthCareify logo, which consists of a blue cross with a green leaf and the text 'HealthCareify' below it. The title 'HEALTHCAREIFY CHAT ROOM' is in bold, dark green capital letters. Below the title, there are two input fields: 'Username' with a white text box, and 'Room' with a dropdown menu currently showing 'Allopathy Doctor'. At the bottom is a green rounded button labeled 'Join Chat'.

Figure 7- Chatroom Page where user will enter username and room



The image shows the left sidebar of a chatroom. It has a light green background. At the top, there is a speech bubble icon followed by the text 'Room Name:'. Below this, the room name 'Allopathy Doctor' is displayed in a larger, bold, dark green font. Further down, there is a group of people icon followed by the text 'Users'. Below the users section, the names 'parth' and 'Saumya' are listed in a smaller, dark green font.

Figure 8- The left side of chatroom shows Chatroom name and active users in room

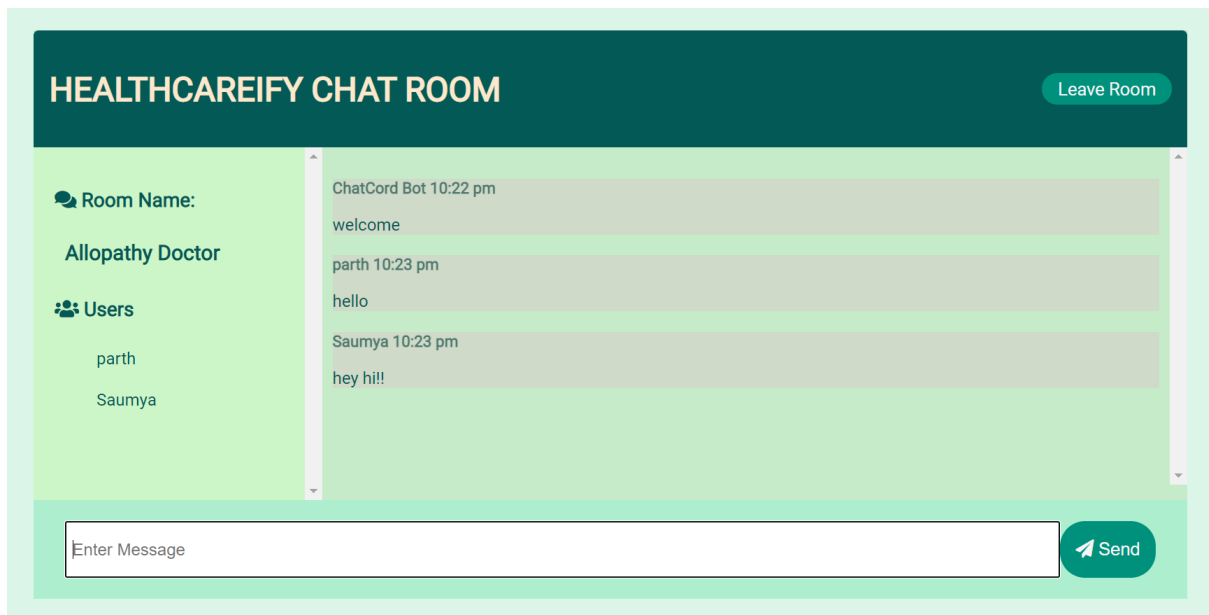


Figure 9- Chat going on between the participants



Figure 10- Video Chat going on

LIMITATIONS

- The Website may have accuracy issues as it is still under development phase so, it may get crashed
- There are only three chatrooms available for now.
So unlike video call patient or doctor cannot create a personal chatroom
Still User Interface of video call section needs to be improved.
- To remain connected in the call or chatroom you have to stay connected.
Failure or outage problem will throw you out of chatroom and video call so you have to perform everything from start.
- The maximum limit of participants in chatroom and video call is yet to be determined.
- A secured way of connection is not available so anyone having the key can join the video call.

EXCEPTED OUTCOMES

- HEALTHCAREIFY will provide a platform for people to connect to their doctors even if getting out of house is not possible
- HEALTHCAREIFY will provide support to the existing medical facilities
- HEALTHCAREIFY also aims at reducing the medical cost
- We also believe that along with great health environment should also become great, as many people will consult their doctor online so they will save the money spent on fuel or cab and hence indirectly saves the environment.

FUTURE ENHANCEMENT

- The team will try hard to make the user interface more easy
- The team will focus on making the website more intuitive
- We will introduce chatbot for the assistance
- The chatroom will be made more robust where customers or doctors can create their own personal chat
- The User Interface of video section will be improved
- We will add medical shopping section
- We will create a new section where everyone can share their thoughts via blogs
- We will add a new section which will have links and information of new and existing medical policies.

TOOLS AND TECHNOLOGIES USED

- HTML5
- CSS3
- JavaScript
- Bootstrap4
- Nodejs
- Expressjs
- Socket.io
- Webrtc
- Vscode
- MongdoDB
- Firebase

REFERENCES:

SIMILAR WEBSITES:

- <https://www.practo.com/>
- https://halemind.com/offer?utm_source=softwaresuggest&utm_medium=ppc
- <https://webmedy.com/>

WORK CITED/BIBLIOGRAPHY:

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<https://favicon.io/>

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