

ATMIYA UNIVERSITY

RAJKOT



A

Report On

CHAT APPLICATION

Under subject of

PROJECT

B.TECH, Semester– VII

(Computer Engineering)

Submitted by:

- | | |
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(Head of the Department)

Academic Year

(2021-22)

CANDIDATE'S DECLARATION

We hereby declare that the work presented in this project entitled “**CHAT APPLICATION**” submitted towards completion of project in **7th Semester** of B.Tech.(Computer Engineering) is an authentic record of our original work carried out under the guidance of “**Prof. Janak Maru**”.

We have not submitted the matter embodied in this project for the award of any other degree.

Semester : 7th

Place : Rajkot

Signature:

Limbasiya Dharmesh(190002062)

Kalariya Hetvi (190002048)

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CERTIFICATE

Date:

This is to certify that the “**CHAT APPLICATION**” has been carried out by **Hetvi Kalariya** under my guidance in fulfillment of the subject Project in **COMPUTER ENGINEERING (7thSemester)** of Atmiya University, Rajkot during the academic year 2022.

Prof. Janak Maru

(Project Guide)

Prof.Tosal M.Bhalodia

(Head of the Department)

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CERTIFICATE

Date:

This is to certify that the “**Chat Application**” has been carried out by **Limbasiya Dharmesh** under my guidance in fulfillment of the subject Project in **COMPUTER ENGINEERING (7th Semester)** of Atmiya University, Rajkot during the academic year 2022.

Prof. Janak Maru

(Project Guide)

Prof.Tosal M.Bhalodia

(Head of the Department)

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We even thank and appreciate to our colleague in developing the project and people who have willingly helped us out with their abilities.

Limbasiya Dharmesh(190002062)

Kalariya Hetvi (190002048)

ABSTRACT

The purpose of online chat application is to automate the existing manual system by the help of computerized equipments and full-fledged computer software, fulfilling their requirements ,so that their valuable /information can be stored for a longer period with easy accessing and manipulation of the same .The required software and hardware are easily available and easy to work with.

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INTRODUCTION

1.1 Introduction

Can you imagine that over 41 million messages are sent every minute? With over 80% of smartphone user engagement, messaging apps are the most popular types people use. People do need messenger apps to stay connected not only for entertainment but also for business purposes, so the segment has all the driving forces to get bigger.

This data visualization video shows. go., the most popular instant messaging apps based on monthly active users.

The current state of thing with coronavirus crisis also underlines the importance of stable, secure, and high-quality online messengers.

If you have a concept of creating a unique messenger, this article is a complex guide into the tech and business details, as follows:

- what features are must-have in messaging software these days
- advance functionality that will help you to stand out
- tech stack to use and technologies applied in the market leaders (WhatsApp, Telegram, Skype)
- building the revenue stream in a messenger
- challenges during messaging app development

Get right into the key insights.

For starters, let's outline what functionality you should implement to develop a viable product.

These days, it is necessary to include the must-have features that would make the system work and apply some sort of innovation to make the app appealing to the target users.

1.2. PURPOSE

React is a JavaScript library developed by Facebook which, among other things, was used to build Instagram.com. Its aim is to allow developers to easily create fast user interfaces for websites and applications alike. The main concept of React.js is virtual DOM. It is a tree based on JavaScript components created with React that mimics a DOM tree. It does the least amount of DOM manipulation possible in order to keep your React components up to date.

1.3. SCOPE

Whatscope is an app that lets you get notifications every time a particular person connects to WhatsApp. It's important to keep in mind that this is a paid service that requires a subscription, and you can pay for it right in the app. You can only use it for free for 24 hours.

The way Whatscope works is simple: just enter the phone number you want to track activity for. Once

you've done that, just sit back and wait. Every time that phone number goes active on WhatsApp you'll get a notification. And not just that – the app also creates a full report on connection times divided by day and week.

Whatscope is an app that merits the utmost caution when opting to use it. As usual for apps designed to 'track' other people, you need to think seriously about whether you'd like someone to do the same thing to you. Use it wisely.

CHAPTER 2 :
SOFTWARE REQUIREMENTS SPECIFICATION

2.1 Hardware Requirements

Table 2.1.1 Hardware Requirements

Number	Description
1	PC with 250 GB or more Hard disk.
2	PC with 2 GB RAM
3	PC with Pentium 1 and Above.

2.2 Software Requirements

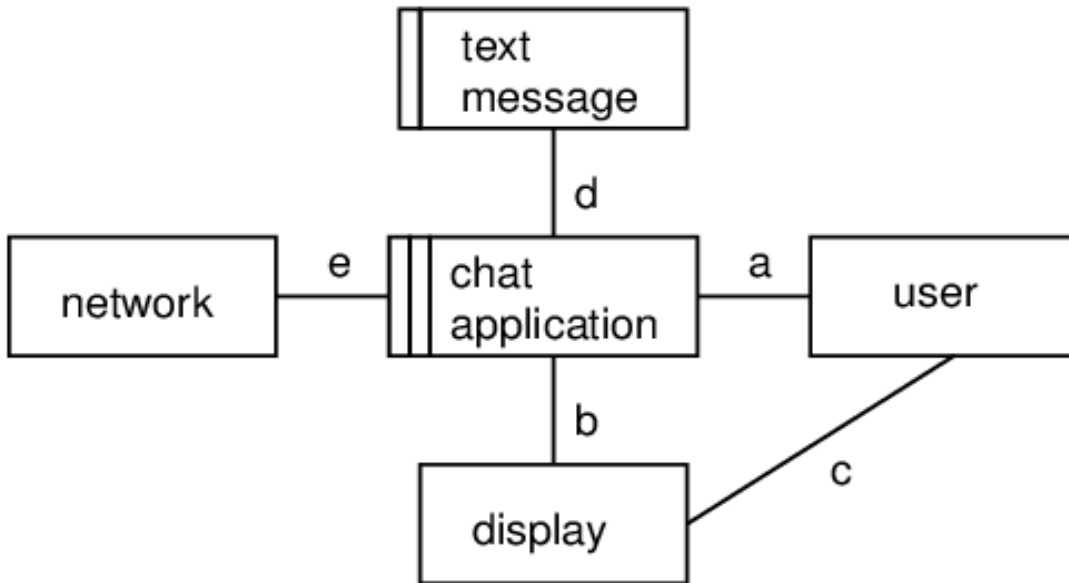
Table 2.2.1 Software Requirements

Number	Description	Type
1	Operating System	Windows XP / Windows
2	Language	REACT
3	Database	API
4	IDE	Visual Code
5	Browser	Google Chrome

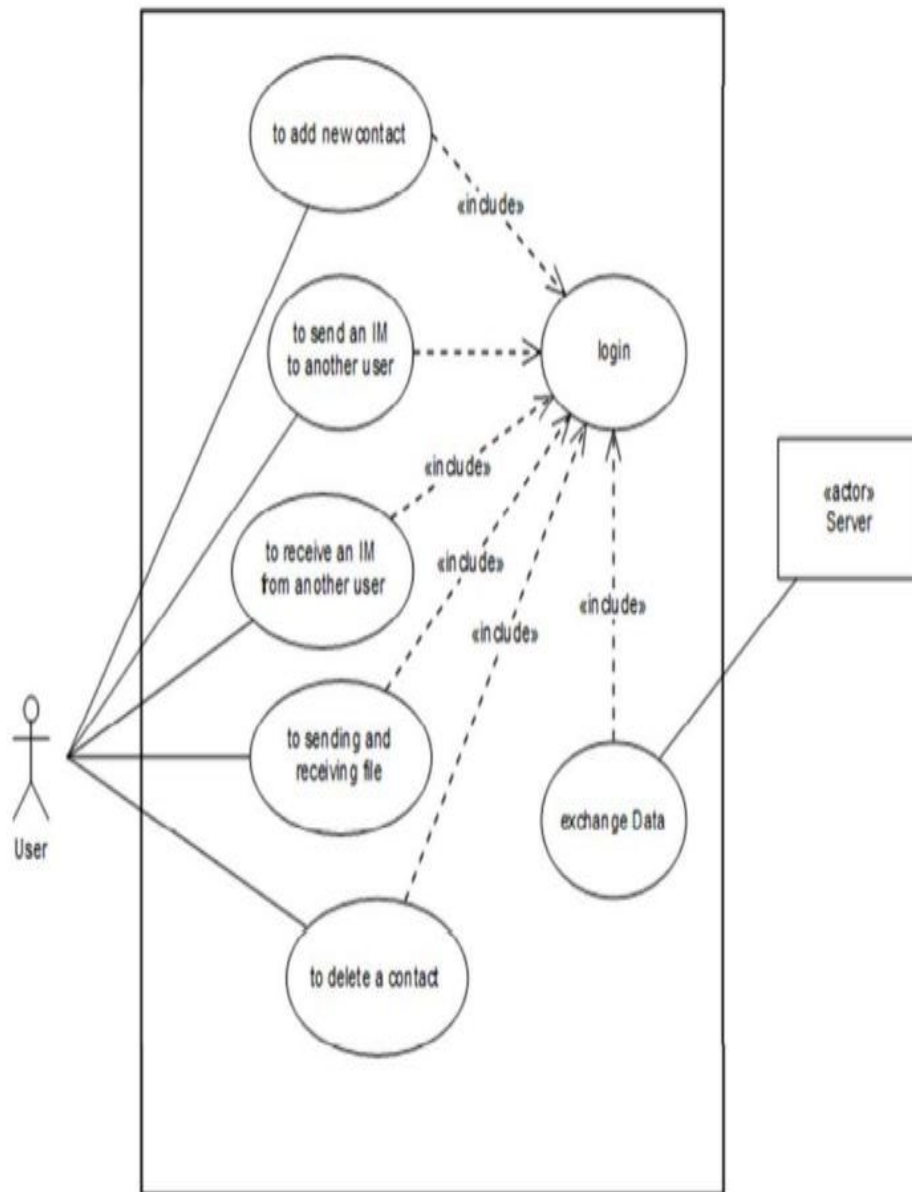
CHAPTER 3
DESIGN & PLANNING

3.1 DATA FLOW DIAGRAM

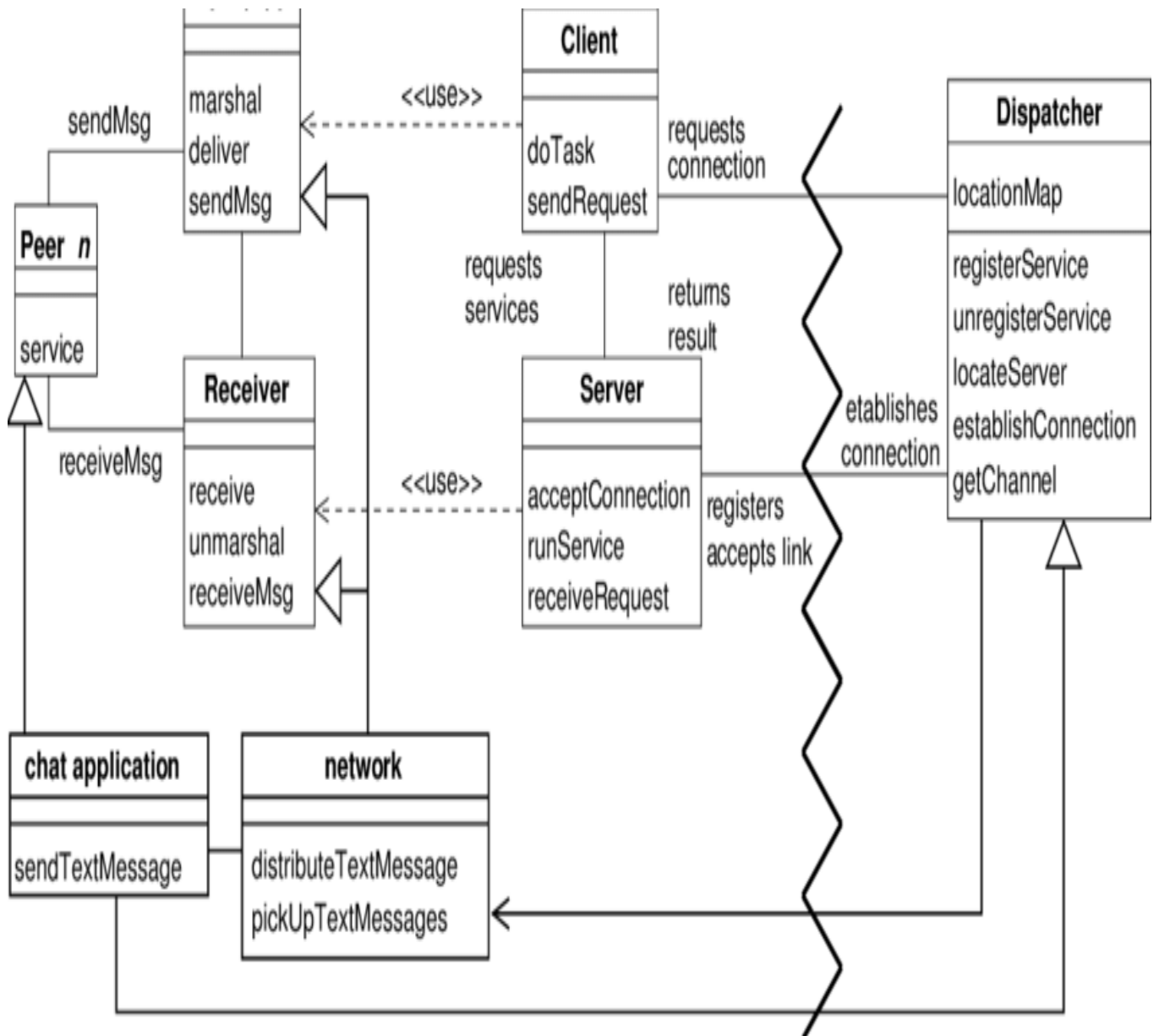
3.1.1 Level 0 DFD



3.2 USE CASE DIAGRAM

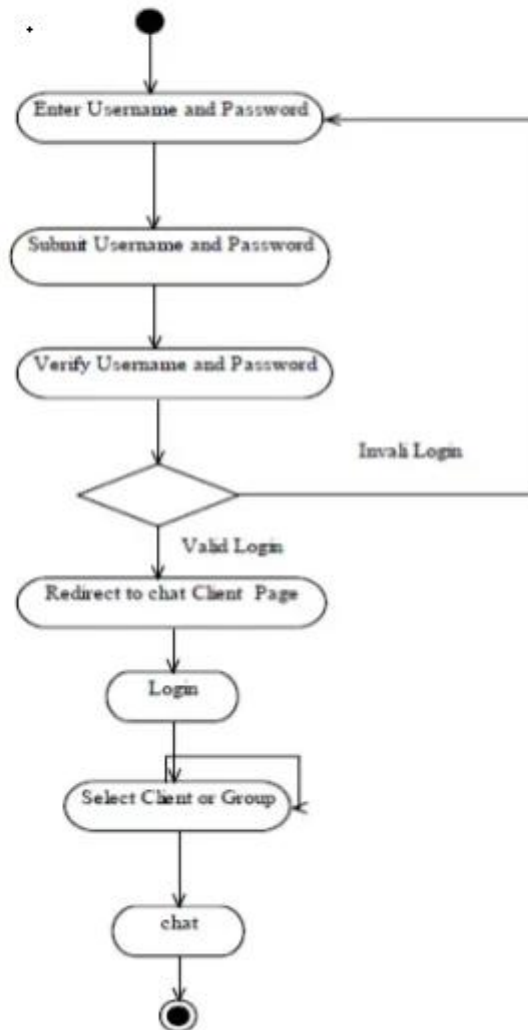


3.3 CLASS DIAGRAM



3.4 ACTIVITY DIAGRAM

- Activity Diagram For Chatting:



3.5 Input /Output Interface

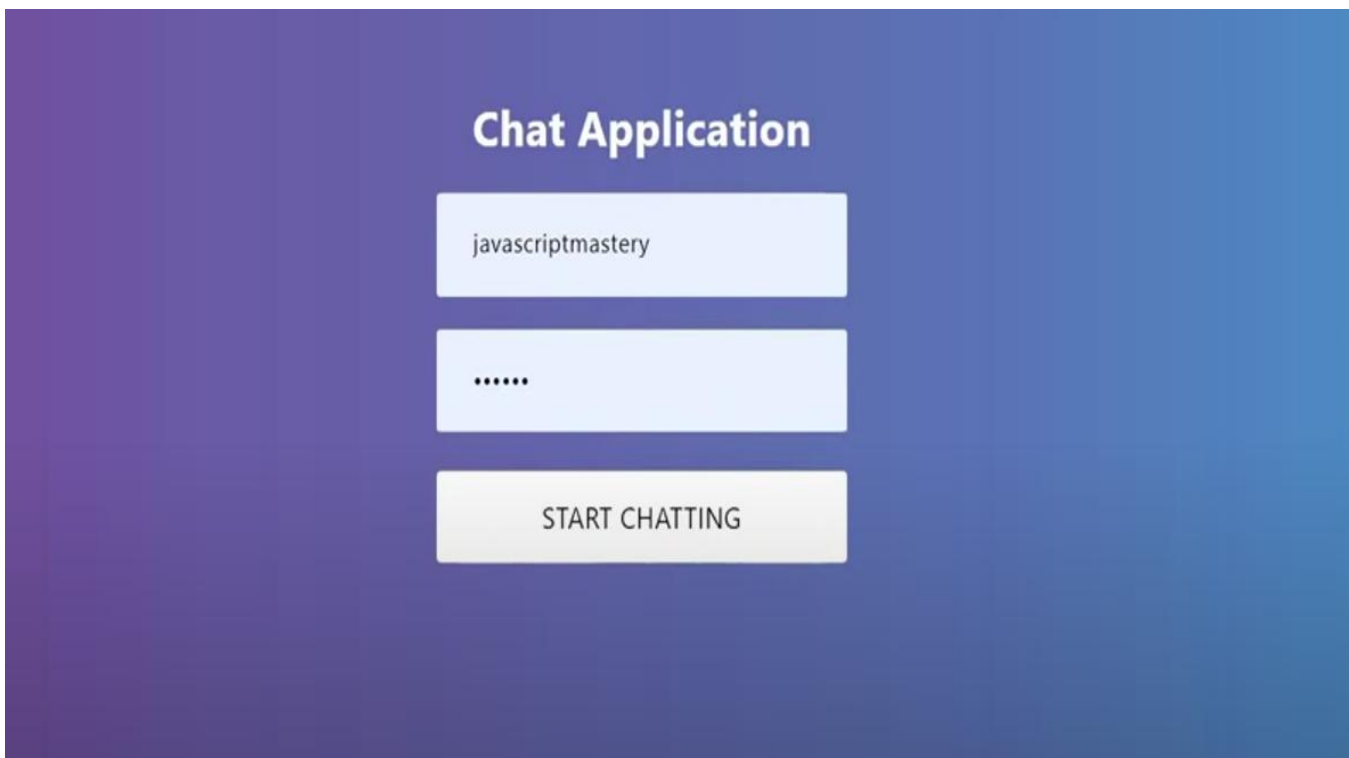


Fig.3.5.1 login Page

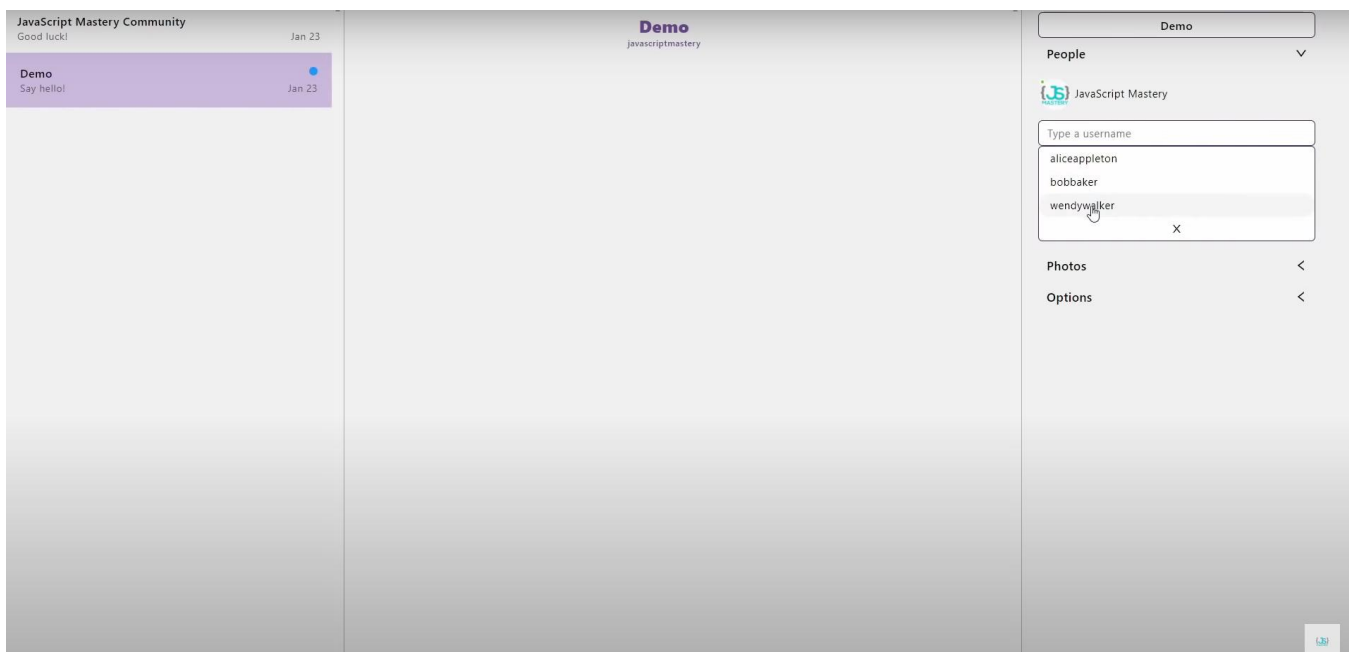


Fig.3.5.2Landing Page

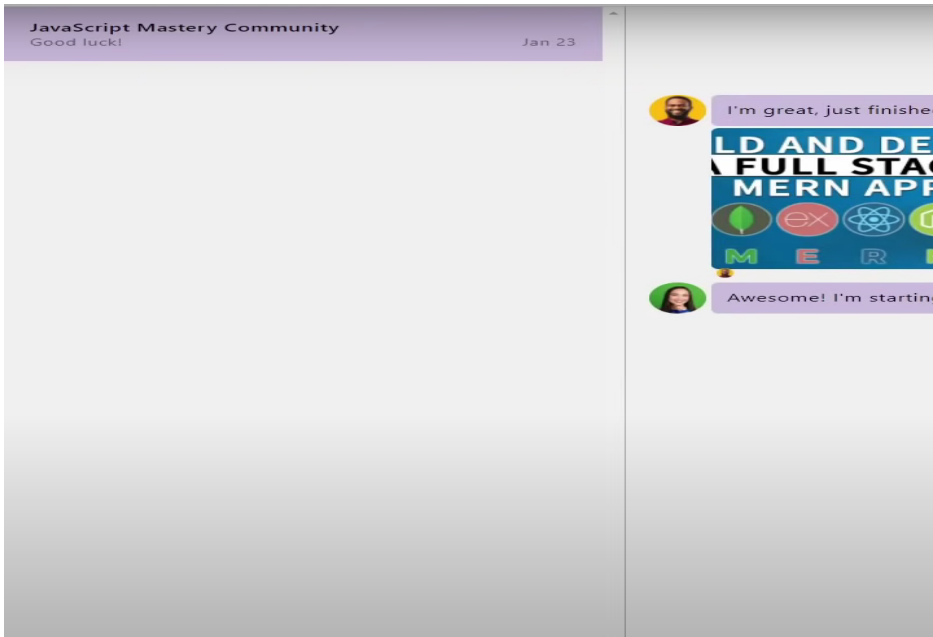


Fig.3.5.3 Responsive view of landing page

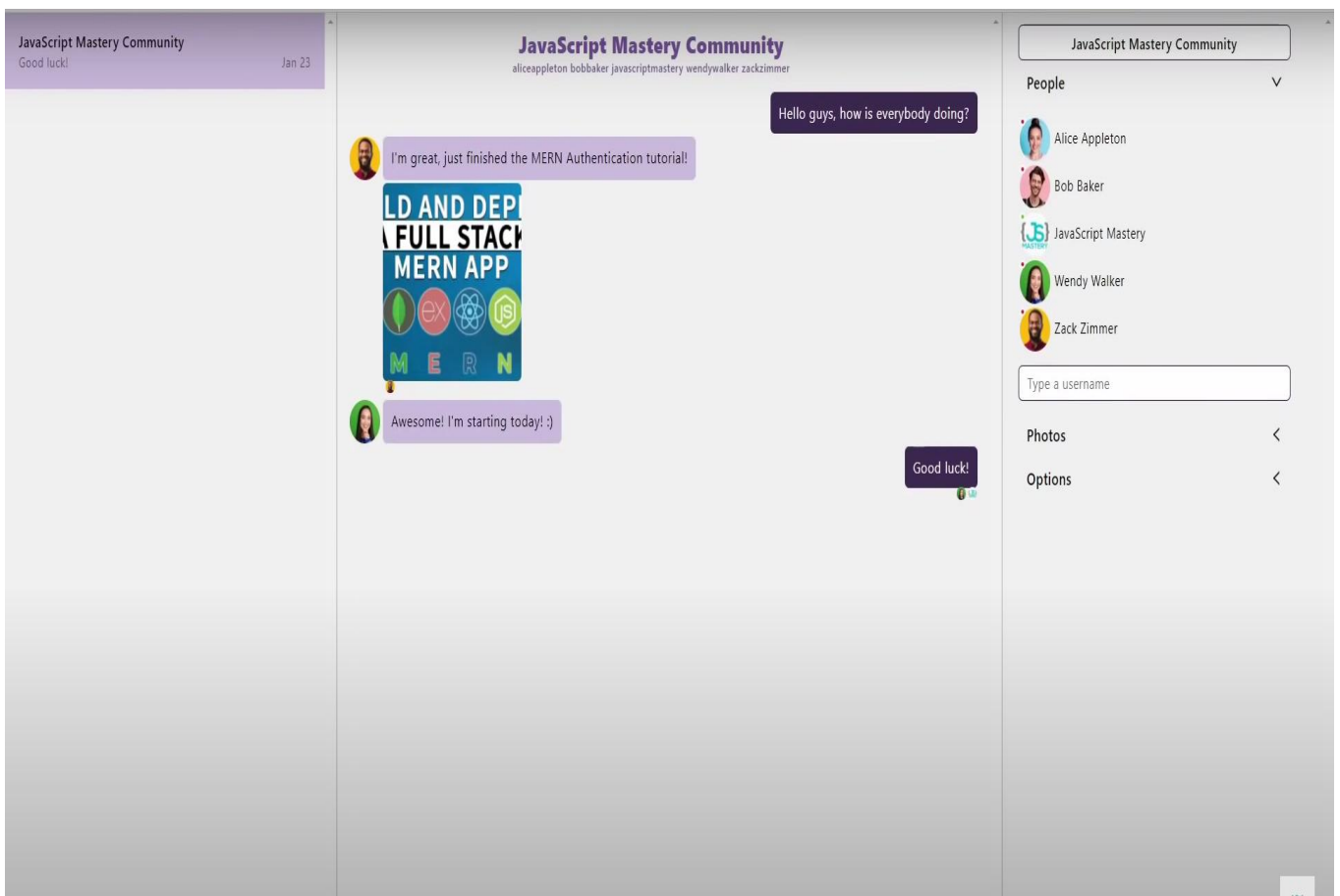


Fig.3.5.4 Chat section

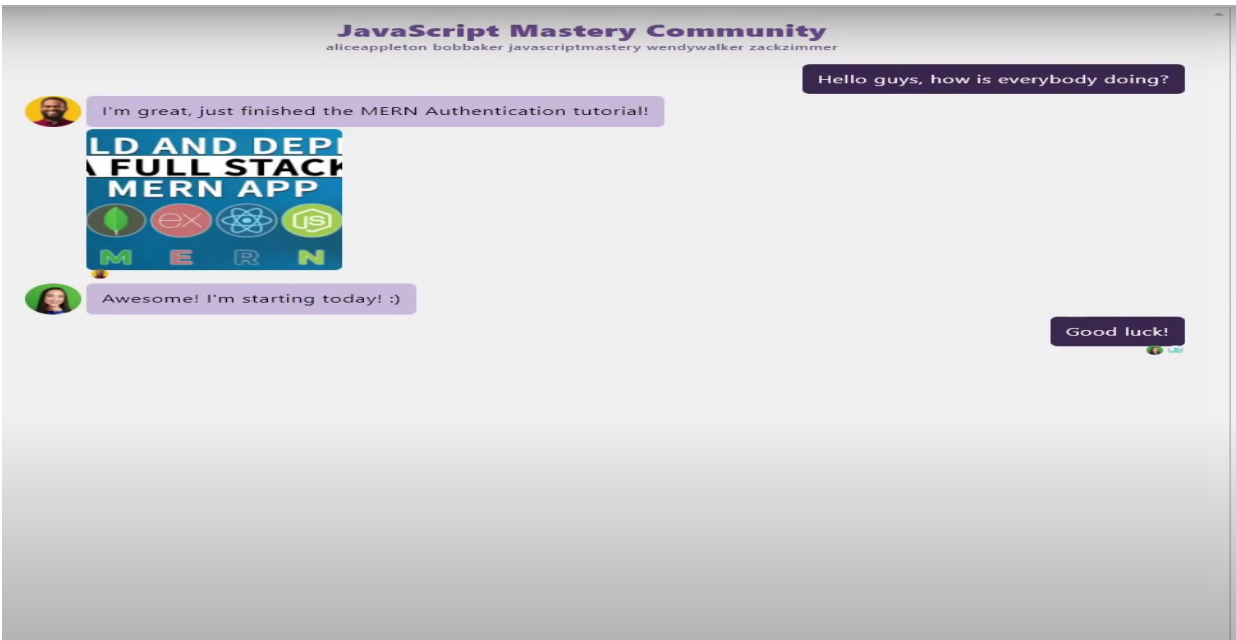


Fig.3.5.5 Responsive view of chat session

CHAPTER 4

4.1 Implementation Details

HTML

HTML is the language for describing the structure of Web pages. HTML gives authors the means to:

- Publish online documents with headings, text, tables, lists, photos, etc.
- Retrieve online information via hypertext links, at the click of a button.
- Design forms for conducting transactions with remote services, for use in searching for information, making reservations, ordering products, etc.
- Include spread-sheets, video clips, sound clips, and other applications directly in their documents.

With HTML, authors describe the structure of pages using *markup*. The *elements* of the language label pieces of content such as “paragraph,” “list,” “table,” and so on.

CSS

CSS

CSS is the language for describing the presentation of Web pages, including colors, layout, and fonts. It allows one to adapt the presentation to different types of devices, such as large screens, small screens, or printers. CSS is independent of HTML and can be used with any XML-based markup language. The separation of HTML from CSS makes it easier to maintain sites, share style sheets across pages, and tailor pages to different environments. This is referred to as the *separation of structure (or: content) from presentation*.

REACT

WhatsApp Web will have a new feature that will basically change the way you react on the app with your family, friends and colleagues forever. Similar to Facebook Messenger and Instagram, WhatsApp is currently working on this feature which will later become the fun quotient for users.

The WhatsApp Web Message Reaction feature is currently in the development stage and after its release, it will allow users to quickly share their reactions to specific messages in the form of emojis. This feature will be available on both WhatsApp desktop and WhatsApp Web platforms.

CHAPTER 5

LIMITATIONS

- You can't see when the message was delivered or read by any receipt. It just simply isn't possible to see this information.
- You can only search for user and not messages. The search box on Whatsapp web interface only show you matching user with the given search string and not the messages (as it does on Whatsapp itself).
- You can't create a new Broadcast list but you can create a new group. You also can't just see a list of your Broadcast list. However, you can search for your previous Broadcast lists if you know its exact name.

CHAPTER 6

CONCLUSION

We have seen how to add WhatsApp Chat to a website in just 3 simple steps. First, we add the link to font awesome, second, we add the WhatsApp icon linked to WhatsApp chat and finally, style it to look appealing and stay sticky on the website no matter where the user is.

The experience is better on mobile device because on mobile device, your users will be redirected to their WhatsApp application and the chat will be initiated. On desktop however, will be redirected to download the WhatsApp application.

