

# PROJECT REPORT

## CHAT CONNECT – A REAL-TIME CHAT AND COMMUNICATION APP

### 1. INTRODUCTION

#### 1.1 OVERVIEW

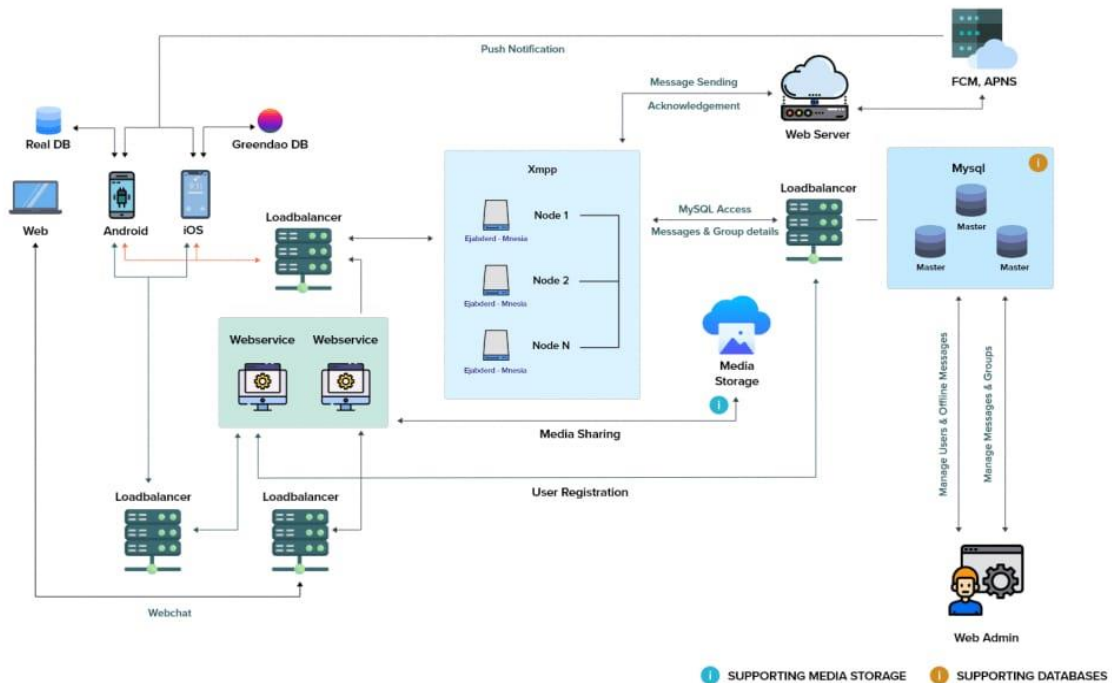
Communication is a mean for project to exchange messages. Messaging apps are apps and platforms that enable instant messaging. According to the survey the group of users prefer whatsapp and like to 51% of the group users the chat applications on an average of 1-2 hours a day. Messaging apps now have more global users than traditional social network which means they will play an increasingly important role in the distribution of digital journalism in the distribution of digital journalism in the future.

#### 1.2 PURPOSE

1. Allows users to communicate with each other personality and within a group.
2. Group chatting- anyone can enter into group chat by their name.
3. Voice recognition- can type messages by regnizing user's choice.
4. Includes languages like Hindi, English and Marathi.
5. Includes a pdf reader to avoid downloading separate app>
6. **Project category:** Visual Studio Code & Google chrome
7. Tools/platform/languages to be used: java script,HTML,CSS(Visual Studio Code) Run in Google chrome.

## 2. PROBLEM DEFINITION & DESIGN THINKING

### 2.1 EMPATHY MAP



### 2.2 IDEATION& BRAINSTORMING MAP

#### Main goal:

To help users connect with others who share similar interests or experiences.

#### Features:

**Chat rooms and discussion groups:** The app includes a variety of chat rooms and discussion groups related to different topics, interests, or experiences. Users can join existing groups or create their own.

#### Personalized profiles:

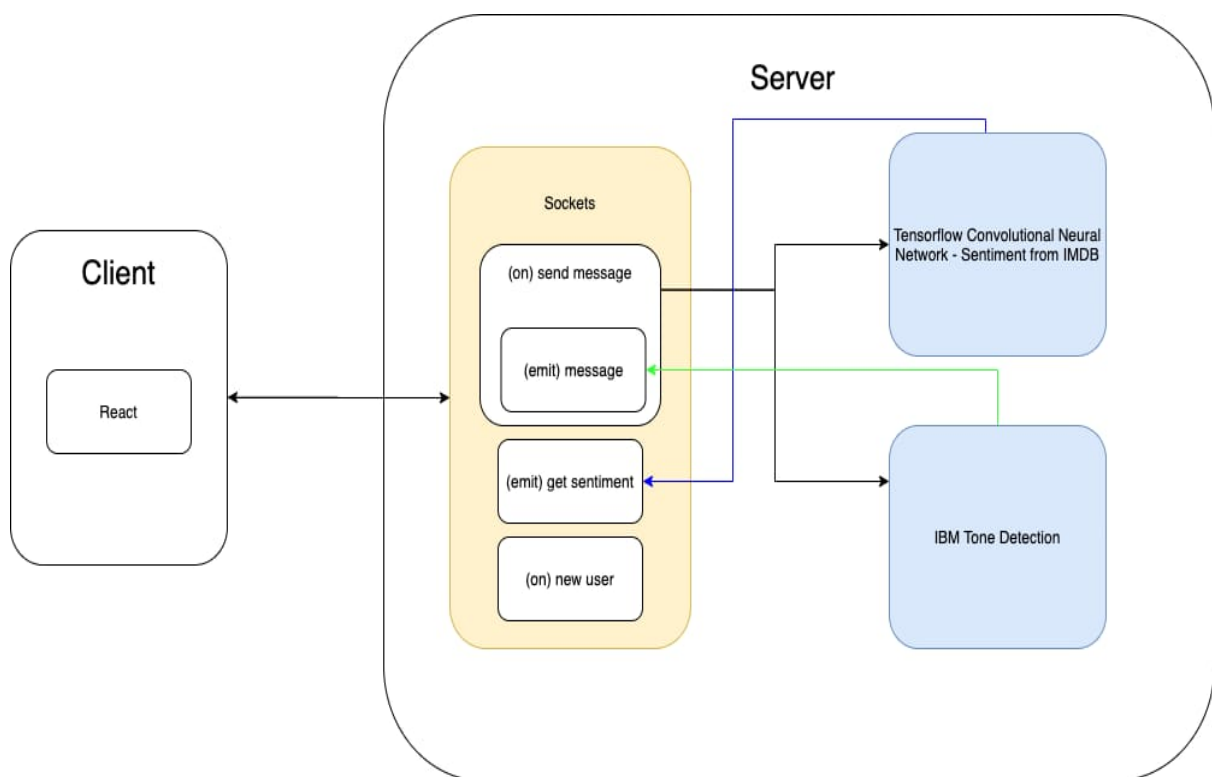
Users can create personalized profiles that showcase their interests, location, and other information. This can help them find other users who share similar interests or experiences.

#### Direct messaging:

Users can send direct messages to other users who share similar interests or experiences, allowing them to connect and communicate one-on-one.

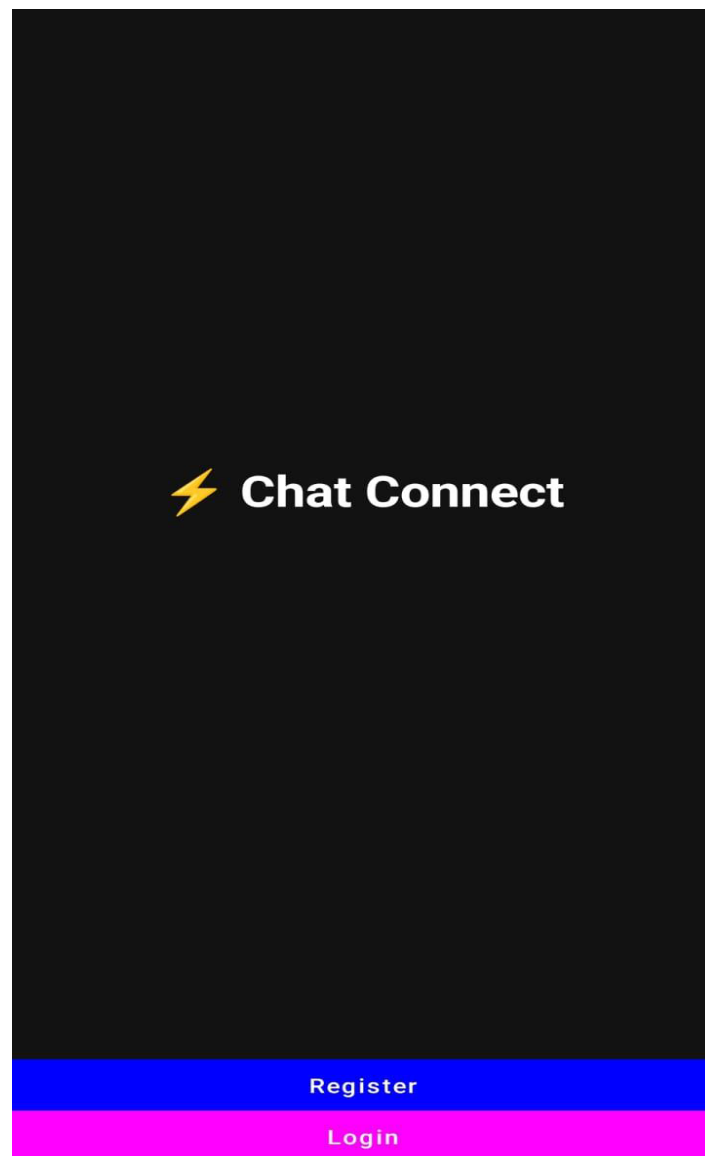
### 3. RESULTS

#### 3.1 DATA MODEL :



## 3.2 ACTIVITY&SCREENSHOT

### FIRST SCREEN



## LOGIN PAGE :



A screenshot of a mobile application's login page. The page has a purple header bar with a back arrow and the text "Login". Below the header, there are two input fields: "Email" with the text "karthi@gmail.com" and "Password" with three dots indicating a masked password. A pink "Login" button is positioned below the password field. The bottom of the screen shows a standard QWERTY keyboard with a blue checkmark button on the right.

← Login

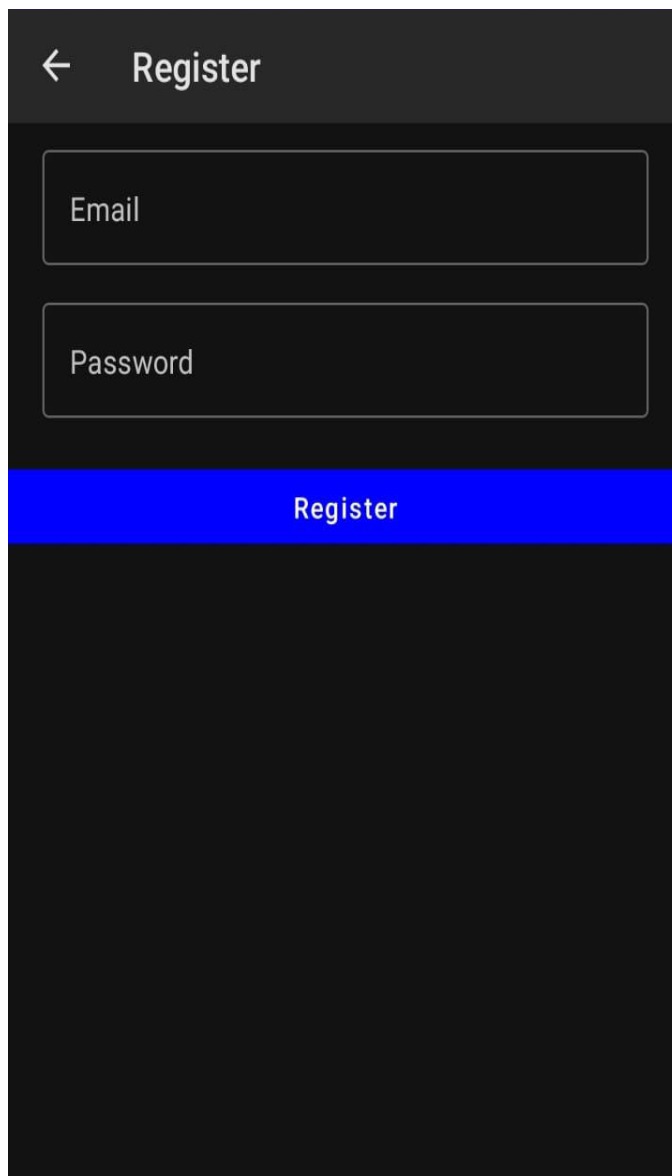
Email  
karthi@gmail.com

Password  
...

Login

1 2 3 4 5 6 7 8 9 0  
q w e r t y u i o p  
a s d f g h j k l  
⬆ z x c v b n m ⬇  
?123 , . ✓

## REGISTER PAGE :



A mobile application register page with a dark theme. The page has a dark gray header with a back arrow and the title "Register". Below the header are two input fields: "Email" and "Password". At the bottom is a prominent blue button labeled "Register".

← Register

Email

Password

Register

## HOME SCREEN

goodmorning

goodmorning

Type Your Message

goodmorning | ➤

#### **4. TRAILHEAD PROFILE PUBLIC URL :**

**TEAM LEADER** - RAMYA S - <https://trailblazer.me/id/riiibscs>

**TEAM MEMBER 1** - SANDHIYA S - <https://trailblazer.me/id/ssekar71>

**TEAM MEMBER 2** - KARTHIKEYAN S - <https://trailblazer.me/id/karthimsd1>

**TEAM MEMBER 3** - KRISHNAMOORTHY M - <https://trailblazer.me/id/kmoorthi8>



## **5. ADVANTAGES & DISADVANTAGE**

### **5.1 ADVANTAGES OF CHAT CONNECT**

- Anonymity
- The chance to meet new people with different views.
- The chance to learn ideas from various cultures.
- Finding people that match your age, gender identity, sexual orientation, interests, and objectives is simple.
- Useful and cost free.
- Gives useful views.

### **5.2 DISADVANTAGES OF CHAT CONNECT**

- You can't always trust others to be honest to be who they seem to be.
- People online may try to take advantages of you if you feel vulnerable.
- Spending less time with friends and family as a result of developing relationships online.
- Even though the majority of users online really wish to help, we can never be sure of their true intentions. For instance, everyone is aware of the issue of online bullying.

## **6. APPLICATIONS**

Chat applications and messaging apps are surging in popularity. The reason for this is simple people love to chat. It is the preferred method of communication in a multitude of different scenarios from collaborating with a colleague to checking in on a loved one.

Chat and messaging applications help to foster a sense of community and connection that other forms of communication can't reproduce

## 7. CONCLUSION

The main objective of the project is to develop a Secure chat Application. I had taken a wide range of literature review in order to achieve all the tasks, Where I came to know about some of the products that are existing in the market. I made a detailed research in that path to cover the loop holes that existing systems are facing in our application.

By working on this project, we came to know a lot about programming and knowledge about various languages which we have worked on. Being students from programming background, we had a huge challenge in front of us, but the technology helped us pave our way through it.

We learned how to apply logic at the correct point, at correct time. Where do we have to mainly focus and at what point we have to receive help of technology. Many concepts regarding programming and languages were cleared, and how does it apply while coding, could be known. With the help of our teachers, technology and our base of programming helped us to complete our project on time successfully.

In today's world, the person has to think deep, quick and be focused to the goal which is to be achieved. But it should also include the future result of its decision. Teamwork is important in each and every task which is to be completed, with the help of our team members.

Thanks to all the members for their full cooperation during the project, till the end.

## **8. FUTURE SCOPE**

This guide's complex technical problems may be eased by incorporating pre-built chat technologies into your bespoke application. A chat API and SDK solution minimizes technical risk and improves the likelihood of a timely and cost-effective app launch.

With the advent of time a lot of new technologies have come up delineating multiple features for a Real time chat application. the current chat application chatterbox connects some vital features for instance be it adding friends using Invites, delivering messages, audio calls, Video calls and on the top an option for screen sharing. Considering the system load and the acquired time some limitations are still visible in the application. Group chatting and the same features for the group chatting can be added for making Incoming Call behind completing the paperwork. Our profound gratitude to the Management, as well as the computer science department staff at Lakehead University in Thunder Bay, Ontario, Canada, for their encouragement and motivation.

## 9.APPENDICES

### A. SOURCE CODE

```
package jdk.internal.reflect;

import java.lang.reflect.InvocationTargetException

class DelegatingMethodAccessorImpl extends MethodAccessorImpl {

    private MethodAccessorImpl delegate;

    DelegatingMethodAccessorImpl(MethodAccessorImpl delegate) {

        this.setDelegate(delegate);

    }

    public Object invoke(Object obj, Object[] args) throws IllegalArgumentException,
    InvocationTargetException {

        return this.delegate.invoke(obj, args);

    }

    void setDelegate(MethodAccessorImpl delegate) {

        this.delegate = delegate;

    }

}
```