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ChatsHub

Mahesh S. Waghaskar[1],Omkar K. Walunj [2],Ronald D. Bosco [3], Lovenish Sharma

School of Engineering, Ajeenkya DY Patil University

Guide

Lovenish Sharma

Pune, Maharashtra, India

ABSTRACT

ChatsHub is a messaging application that allows users to communicate with friends, family, and colleagues around the world. It offers a range of features, including individual and group messaging, voice and video calls, file sharing, and more. With a user-friendly interface ChatsHub is easy to use and allows users to stay connected with their contacts in real-time. It employs end-to-end encryption to ensure that messages and calls are secure and private. Additionally, ChatsHub offers a range of customization options, such as custom wallpapers and notification tones, allowing users to personalize their experience. Whether you're using it for personal or professional communication, ChatsHub is a reliable and convenient tool for staying connected with others.

INTRODUCTION

ChatsHub are very important in day to day life and require an internet to chat with each other and plays an important role for communication where people wanted staying in touch with their friends and family. ChatsHub is a proprietary, cross-platform instant messaging service for smartphones. In addition to text messaging ,users can send each other images, PDF and Documents Files. This is where ChatsHub walked in to make life easy for smartphone users. It leveraged on the increasing popularity of the term ‘Stay Connected’.

Objectives

• The main object of this system is to provide a secure system.

• This system allows authorized user to access various functions available in the system.

• To understand the satisfaction level of ChatsHub.

• To know the customer behavior on ChatsHub.

• To know usage of ChatsHub.

• To find out the key success features of ChatsHub

LITERATURE REVIEW

One study conducted by Krasnova et al. (2017) explored the impact of ChatsHub on social capital, which refers to the resources that individuals can access through their social networks. The study found that ChatsHub use was associated with an increase in bridging social capital, which refers to connections between people from different social groups. This suggests that ChatsHub can help to facilitate communication and interaction between individuals who might not have otherwise connected.Another study by Roca Sales and Viegas (2018) investigated the use of ChatsHub for collaborative learning in higher education. The study found that students who used ChatsHub as a learning tool reported higher levels of engagement and motivation compared to those who did not use the app. Additionally, the study found that ChatsHub facilitated communication and collaboration among students, which improved the quality of their work.In terms of privacy and security, ChatsHub has received scrutiny over the years due to concerns about the app's data sharing policies and the potential for user data to be accessed by third parties. However, ChatsHub employs end-to-end encryption to protect the privacy of user messages and calls, which has been praised by privacy advocates.Overall, research suggests that ChatsHub is a popular and effective communication tool that can help to facilitate social connections, collaborative learning, and more. However, it is important for users to be aware of privacy and security concerns and to take appropriate steps to protect their personal information when using the app.

METHODOLOGY

1. Market Research: The development team would conduct market research to identify user needs, preferences, and pain points. They would also study the features and functionality of competing applications to identify gaps in the market.

2. Requirements Gathering: Based on the research findings, the development team would create a list of requirements for the application. These requirements would detail the features, functionality, and user experience of the application.

3. Design: The development team would create wireframes and mockups to visualize the user interface and user experience of the application. They would also design the application's architecture and database structure.

4. Development: The development team would use programming languages and software development tools to create the application's functionality. This would include creating the front-end user interface and back-end server-side logic.

5. Testing: The development team would test the application for bugs, glitches, and user experience issues. They would conduct both automated and manual testing to ensure the application meets the requirements and performs as intended.

6. Deployment: Once the application is tested and deemed ready, the development team would deploy it to the production environment. This would involve deploying the application to servers, configuring database connections, and ensuring the application can handle high levels of traffic.

7. Maintenance: After deployment, the development team would continue to monitor the application for bugs, glitches, and security vulnerabilities. They would also release updates and

patches to improve the application's performance and add new features.

Operating Environment – Hardware and Software

- Hardware:-

Laptop processors : Intel(R) Core(TM) i5-2520M CPU @ 2.50GHz 2.50 GHz

RAM : 6GB

Hard disk : 1 TB

- Software : -

OS : windows 10

Application / language : Android

Database : Firebase Database

Software : Android Studio

PROPOSED SYSTEM

- In the current version, all of these features are available like we can display status, share documents ,share locations.
- This feature allows users to connect with strangers from around the world via video chat. Users can filter by location or gender preference to find people with whom they want to communicate.
- We can share images through doc's format.
- ChatHub supports multiple languages, making it possible for users to communicate with people from different countries.
- More user-friendly interface.
- Adding the ability to create and join group chats would allow users to connect with multiple people at once and make new friends with similar interests.

ER-Diagram

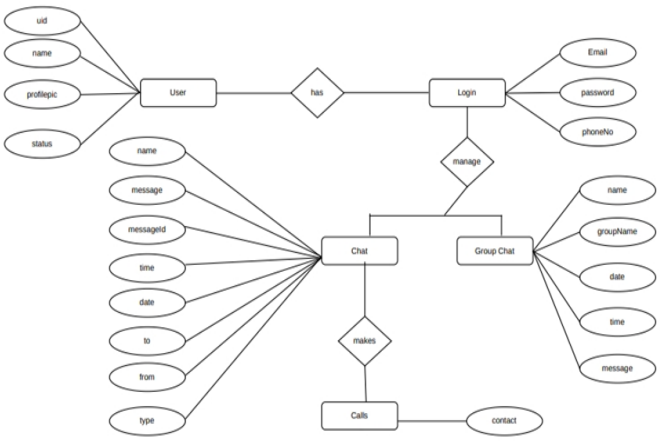

Figure: 1 (ER DIAGRAM)

USE CASE DIAGRAM

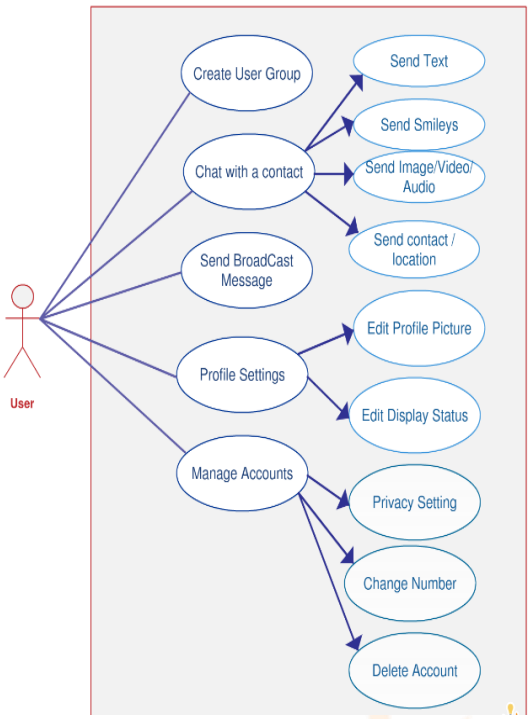

Figure: 2 (Use Case Diagram)

CONCLUSION

ChatsHub is a widely used and popular messaging application that offers a range of features, including individual and group messaging, voice and video calls, file sharing, and more. It provides a user-friendly interface that makes it easy to use for people of all ages and backgrounds. ChatsHub employs end-to-end encryption to protect the privacy of user messages and calls, which has been praised by privacy advocates. Research on ChatsHub suggests that it can have positive impacts on social connections, collaborative learning, and more. However, it is important for users to be aware of privacy and security concerns and to take appropriate steps to protect their personal information when using the app. Overall, ChatsHub is a reliable and convenient communication tool that can help to facilitate connections between individuals and groups. Its widespread adoption and continued popularity demonstrate its effectiveness as a means of communication in today's digital age.

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