



CHAT APPLICATION

— Task - 1



CHAT APPLICATION

The chat application is a web based communication platform that enables users to exchange message in real time.

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SRS for CHAT APPLICATION

INTRODUCTION

The chat application is a web based communication platform that enables users to exchange messages in real time. This document outline the functional and non functional requirements for the chat application.

▪ **Functional Requirements**

- ❖ **User Authentication**
The chat application must provide user authentication to ensure that only registered users can access the platform.
- ❖ **User profile**
The chat application must allow users to join and edit their profiles, including their name, profile picture and status message.
- ❖ **Chat room**
The chat application must allow users to join and create chat rooms where they can exchange messages with other users.
- ❖ **Message exchange**
The chat application must allow users to exchange message in real time within a chat room.
- ❖ **Notification**
The chat application must notify users of new messages, chat room invitations and other important events.
- ❖ **Search Functionality**
The chat application must provide a search functionality that allow users to find other users, chat rooms and messages.



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- **Non Functional Requirements**

- ❖ Performance

The chat application must be able to handle and messages without experiencing significant performances degradation.

- ❖ Reliability

The chat application must be highly reliable and minimize the risk of data lose or system failure.

- ❖ Security

The chat application must ensure the security and confidentiality of users data, including login credentials, messages, and profile information.

- ❖ Usability

The chat application must be user friendly and intuitive with clear and concise messages and easy navigation.



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- **Software Requirements**

OPERATING SYSTEM : Windows 10 or 11 (64-Bit)

SOFTWARE : Java, Figma UI, Android Studio

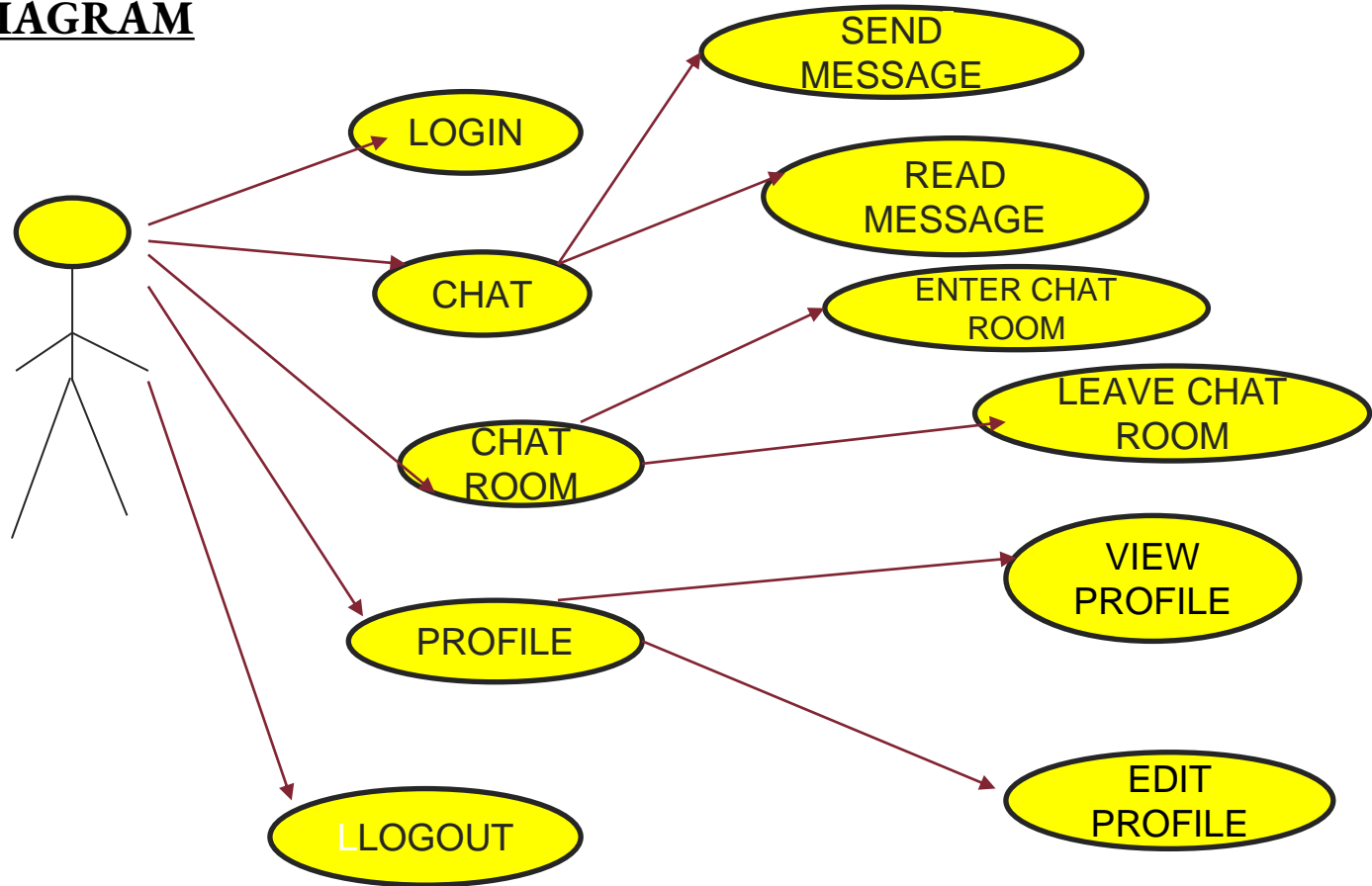
- **Features**

This application is version-1. so, Only some features are available. Such as,

- Two step verification
- User friendly



USECASE DIAGRAM



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- **Hardware Requirements**

Minimum requirements will be as follows:

RAM : 8GB

STORAGE : 256GB SSD

PROCESS : Ryzen 5 or Intel i5

INTERNET : 50Mbps

ANDROID MOBILE

- **CONCLUSION**

This SRS outline the basic requirements for a chat application, including user authentication, chat rooms functionality, messages exchange, notification, search functionality and performance, reliability, security, usability, features, s/w requirements, h/w requirements and usecase diagram considerations.



Submission Github



[https://github.com/monica28012003
/chat application](https://github.com/monica28012003/chat_application)

Thank
you!

