**SOFTWARE**

**REQUIREMENTS**

**SPECIFICATION**

*For*

**Chat Application with Message Storage**

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**1. Introduction**

**1.1 Purpose**

The main objective of this document is to illustrate the requirements of the project chat application with stored messages. The document gives the detailed description of the both functional and non-functional requirements. The purpose of this project is to provide a friendly environment for users and agencies to build a chat application with storage access. This project describes the software interface requirements using ER diagrams.

**1.2 Document Conventions**

* Entire document should be justified
* Convention for Main Title
* Font face: Times New Roman
* Font style: Bold
* Font size: 14
* Convention for Sub title
* Font face: Times New Roman
* Font style: Bold
* Font size: 12
* Convention for body
* Font face: Times New Roman
* Font Size: 12

**1.3 Scope of Development Project**

The Chat Application with Stored Messages aims to revolutionize online communication by providing users with a robust platform for real-time messaging and comprehensive message storage. This project facilitates seamless interaction between individuals and groups, ensuring a persistent chat history for enhanced user experience.

This application is tailored for users seeking an efficient and feature-rich messaging solution. It enables users to engage in instant messaging, participate in group conversations, and securely store all communication for future reference.

**1.4 Definitions, Acronyms and Abbreviations**

JAVA -> platform independence

SQL-> Structured query Language

ER-> Entity Relationship

IDE-> Integrated Development Environment

SRS-> Software Requirement Specification

**1.5 References**

**Books:**

**“ Designing Data-Intensive Applications “ by Martin Kleppmann**

**"Java Message Service" by Mark Richards:**

**Websites :**

<https://www.getapp.com/collaboration-software/instant-messaging-chat/f/document-storage/>

<https://getstream.io/blog/build-chat-messaging-app/>

<https://www.rst.software/blog/how-to-build-a-custom-instant-messaging-app-the-ultimate-guide>