**Software Requirements Specification Document**

1. **Introduction**

* **Purpose**

The aim of this project is to build a chat application with various functionalities like 1:1 user chats, group chats along with the functionality of uploading documents along with many other services.

* **Motivation**

The chat app would allow various users to stay connected with each other by sharing messages/chats all the while having the ability to share files with each other.

1. **Requirements**

* **Functional Requirements**

1. The chat app should allow the users to share 1:1 messages privately ie not visible to other users.
2. The chat app should allow formation of groups with multiple users in it. The ability to send a chat to a group which should be received by all the users in it.
3. The group should have a moderator governing it.
4. The ability to share files with each other.
5. The chat app should have an auditor to govern the messages.
6. The groups may be password protected to enhance security.
7. The users should be authenticated before letting them access the chatapp.

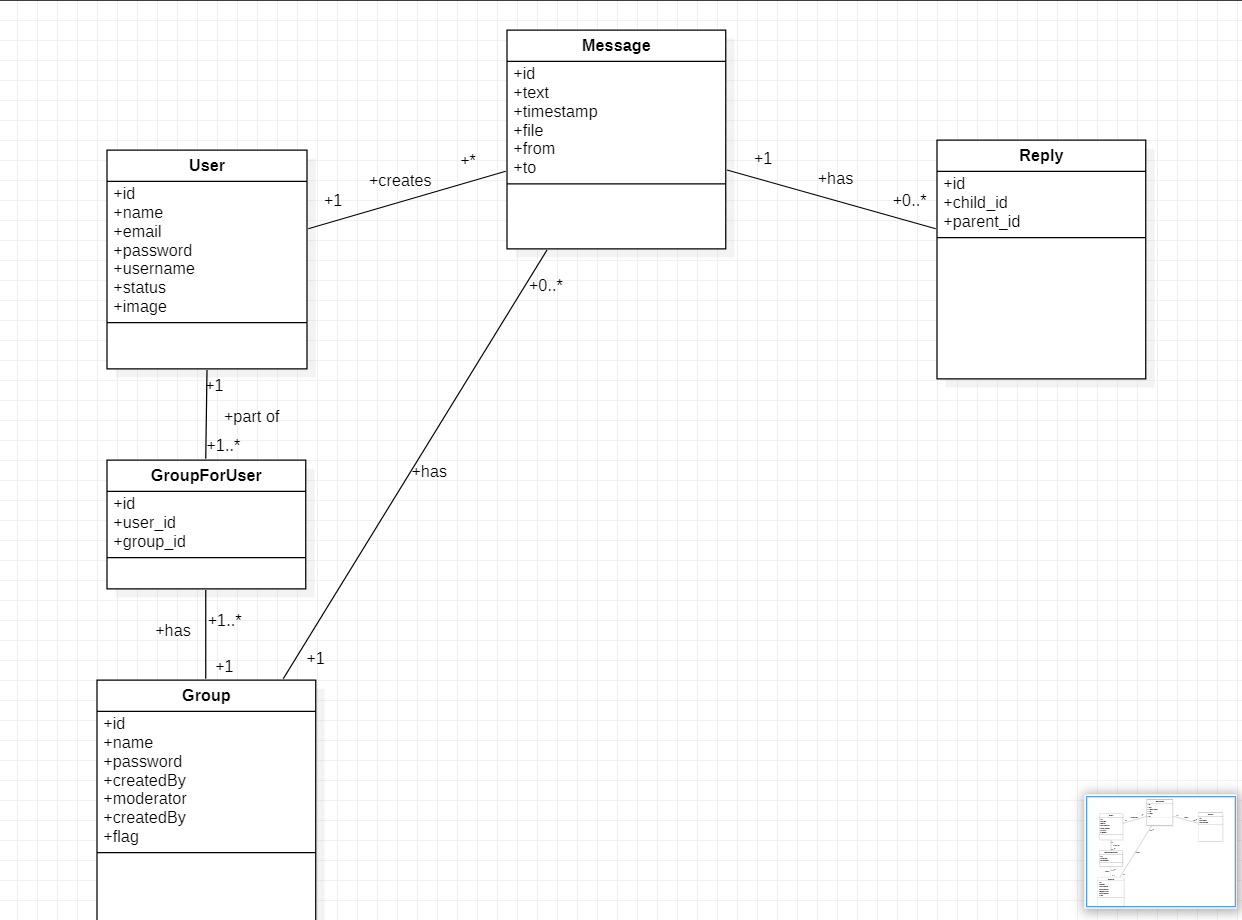
* **Hardware Requirements**

1. 1 Gb free Hard drive space.
2. 6-8 Gb Ram
3. Core i3 or higher

* **Software Requirements**

1. Apache Tomcat
2. Maven
3. Hibernate
4. MySQL
5. Postman
6. Jenkins
7. SonarQube
8. Mockito
9. **Design and Implementation**

* **Class Diagram and Design**

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