

FULLSTACK-II PROJECT

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ONLINE CHAT APPLICATION

SYNOPSIS



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INTRODUCTION

The “Online Chat Application” has been developed to override the problem prevailing in the practicing manual system. This system is designed for the particular need of the company to carry out operations in a smooth and effective manner.

No formal knowledge is needed for the user to use this system. Thus by this all it proves it is user-friendly. Online Chat Application can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will help the organization in better utilization of resources.

Every organization, whether big or small, has challenges to overcome and managing the information of Chat Application. This is designed to assist in strategic planning, and will help you ensure that your organization is equipped with the right level of information and details for your future goals. These systems will ultimately allow you to better manage resources.

OBJECTIVE

The objective of the project is to develop an instant messaging solution to enable users to seamlessly communicate with each other. The project should be very easy to use enabling even a novice person to use it. In order to make this chat application complete web support needs to be provided. An efficient application for chat is the basic objective of this project.

IDEA

We came across this idea while discussing each other about chat application. We have decided to make platform independence chat application where the messenger operates on any system irrelevant of the underlying operating system. “N” number of users can be connected without any performance degradation of server.

PROBLEM STATEMENT

This project is to create a chat application with a server and users to enable the users to chat with each other's and to develop an instant messaging solution to enable users to seamlessly communicate with each other. The main purpose of this project is to provide multi chatting functionality through network.

EXISTING SYSTEM

- Lack of security of data
- Time Consuming
- More man power
- Needs manual calculation
- Consumes large volume

FEATURES

- Simple Status & Resolution
- Accuracy in work
- Easy & fast retrieval of information
- Easy to use
- Work become very speedy
- Contain better storage capacity
- Access of any information individually
- Easy to update information

SOFTWARE REQUIREMENTS

- **Web technologies:** React JS
- **Web Server:** Chat Server Engine
- **Web browser:** Chrome or Firefox
- **Tools:** Visual Studio code

HARDWARE REQUIREMENTS

- **Processor:** Intel i5
- **Operating System:** Windows 10
- **RAM:** 4GB
- **Hardware Devices:** Computer System

FUTURE SCOPE

Chat Server Application is going to be text communication software, it will be able to communicate between two computers. Companies would like to have communication software wherein they can communicate instantly with their organization. The limitation of this application is it does not support audio conversations, to overcome this limitation we are concurrently working on developing better technologies. The fact that the software uses an internal network setup within the organization makes it very secure from outside attacks.