



GLA
UNIVERSITY
MATHURA
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Project Title : Chat-On

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(Project Mentor)

Introduction

Communication is means for people to exchange information, thought and ideas It has started since the beginning of our civilization but now due to the emergence of computer networks and telecommunication technologies it has allowed people to communicate in a new way. Chatting is a method of using technology to bring people and ideas together despite geographical barriers. The technology has been available for years but the acceptance was quite recent.

Chat-On is such an application which provide you with the tools to connect to people close to you and bring them closer.

Declaration

We hereby declare that the project entitled “Chat-On” is an outcome of our own efforts under the supervision of Ms. Ruchi Gupta. The project is submitted to GLA University. I also declare that this project report has not been previously submitted to any other university.

Aryan Jaiswal

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Existing System

There are various applications like WhatsApp, Facebook, Instagram, reddit and more which allows a user to interact with other users. They can send messages, audio messages, files and with much more features.

This website is in its starting phase and with limited features but people can easily do the thing which they sign up for like sending and receiving messages, emojis, files group chat etc.

Use of the Project

There are multiple benefits of using this platform :

- **Communication** - This website makes it easy to communicate with people anywhere in the world by sending and receiving messages anywhere in real time. It provides easy interaction to the user.
- **Easy Access** – One can log into this platform through any browser. The only requirement is an internet connection.
- **User Friendly**- Simple UI, user friendly and smooth user interaction.
- **Data Security:** User Data is securely stored in the API server and password encryption is used in login page.

Feasibility of Project

All the features of the project are feasible. It doesn't involve any development cost or hardware or paid software. The Stream API which we are using for the project is also free version.

Internet connection is required while accessing the website.

Functional Specification

- ❑ Register a new user and login: User can register using username and password.
- ❑ User and Group Search: One can easily search for other users and groups on the platform.
- ❑ Direct Messaging: User can directly send and receive messages to other users in real time.
- ❑ Group Messaging: One can create groups and start conversations with group of people.
- ❑ Emoji Picker : Users can send emojis and react to messages through emojis.

- Attach Files: Users can attach files with their messages like documents and media files.

Software Specification

- Technology implemented : React, JavaScript, node, Stream API
- Development environment : Visual Studio Code
- Web browser : Chrome/Brave

Hardware-System

Requirements

For PC

- Processor : i3 and above
- Operating System : Any OS with web browser
- RAM : 2 GB and above

For Mobile

- Operating System : Android/IOS
- RAM : 2 GB and above

FUTURE SCOPE

Chat-On website is going to be a text communication website, it will be able to communicate between two computers using point to point communication,

Texting is the new normal for people as hand written letters will extinct in the later years, it is one of the biggest developments of the 21st century and has a broader scope for more development.

Chat-On is a must app for any user who is a huge cinephile.

GITHUB Link:

<https://github.com/aryanjais/Chat-On>