

PROJECT DOCUMENTATION

Online Group Chat Web platform

Team Members:

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System Design

Required tools for system designing

➤ FrontEnd :-

- **HTML:-** Hypertext Markup Language, a standardized system for tagging text files to achieve font, colour, graphic, and hyperlink effects on World Wide Web pages.
- **CSS:-** Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language like HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.
- **REACT JS:-** React is a JavaScript library for building user interfaces. It is maintained by Facebook and a community of individual developers and companies. React can be used as a base in the development of single-page or mobile applications, as it is optimal for fetching rapidly changing data that needs to be recorded.

➤ BackEnd:-

- **JavaScript:-** JavaScript, often abbreviated as JS, is a high-level, interpreted scripting language that conforms to the ECMAScript specification. JavaScript has curly-bracket syntax, dynamic typing, prototype-based object-orientation, and first-class functions.
- **FIREBASE:-** Firebase is a mobile and web application development platform developed by Firebase, Inc. in 2011, then acquired by Google in 2014. As of October 2018, the Firebase platform has 18 products, which are used by 1.5 million apps.

- **FIRESTORE:-**Cloud **Firestore** is a fast, fully managed, serverless, cloud-native NoSQL document database that simplifies storing, syncing, and querying data for your mobile, web, and IoT apps at global scale.

PUSHER API:-Pusher is a simple hosted **API** for quickly, easily and securely adding realtime bi-directional functionality via WebSockets to web and mobile apps, or any other Internet connected device.

Description:

In this project, we have created a Web Application using React js for front-end and we have used Firebase as a database and for real-time messaging, we have used PusherAPI it basically provides the services that are needed to create a group chat application. The user needs to login to the Chat App and can create different chat groups with private and public groups and can add the member to the Group and can Chat with them in real-time.

Sample Shots:

