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A Novel Framework on Real Time Chat Interface

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Abstract: In this extensive research paper, we delve deeply into the intricate process of developing a realtime chat interface website utilizing cutting-edge web technologies such as ReactJS, Chat Engine, sockets, hooks, props, JavaScript, and APIs. The primary aim of this project is to cater to the evolving demands for efficient communication and collaboration platforms in the contemporary digital landscape. Through meticulous analysis, detailed experimentation, and critical evaluation, we explore the functionalities, design principles, social relevance, and future implications of the developed application. This research paper serves as a comprehensive guide, providing in-depth insights into the utilization of modern web technologies for constructing interactive and engaging web applications, while also shedding light on the broader societal impacts and implications for the future of digital communication.

The advancement of web technologies has facilitated the development of real-time communication platforms that transcend geographical barriers. This research paper delves into the comprehensive development process and technical intricacies involved in creating a real-time chat interface website using modern web technologies, including ReactJS for the frontend, Chat Engine for the backend, and auxiliary technologies such as sockets, hooks, props, JavaScript, and APIs. The project aims to address the growing need for efficient communication and collaboration platforms in today's digital landscape. Through detailed analysis, experimentation, and critical evaluation, this paper explores the functionalities, design principles, social relevance, and future implications of the developed application.

Keywords: ReactJS, Chat Engine, sockets, hooks, props, JavaScript



