

# Multi-User Web Chat Application using Node.js and Socket.io

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**Abstract:** *There are numerous chat applications available today that can be downloaded to a phone or accessed via a computer, but each has its own set of issues and may even collect user data. On the other hand, the Multi-user online chat application makes group communication extremely simple to use and navigate. The UI is as minimalistic as it gets in order to provide a distraction-free environment for consumers. It is a light-weight, hassle-free manner of communication designed with Node.js and socket.io. One can rapidly establish rooms, enter them for discussion, and leave them without leaving any data behind because it isn't meant to hold records of customer conversations.*

**Keywords:** Multi-user Web chat, Node.js, Socket.io, Single-page Application (SPA).

## REFERENCES

- [1]. "PLATO computer-based education system | Britannica". [www.britannica.com](http://www.britannica.com). Retrieved 17 November 2021.
- [2]. "DESIGN AND IMPLEMENTATION OF A MULTILINGUAL CHAT APPLICATION". [nairaproject.com](http://nairaproject.com). Retrieved 17 November 2021.
- [3]. Molly McKinney (19 November 1998). ""Sell a Couch or Make a New Friend: Broadcast Provides Potential Mind Games and Hookups." The Wooster Voice, November 19, 1998, p.8". The Voice: 1991-2000. Retrieved 2 July 2019.
- [4]. "The 'Security Digest' Archives (TM) : TCP-IP Distribution List for February 1989". [securitydigest.org](http://securitydigest.org). Archived from the original on 8 December 2017. Retrieved 6 May 2018.
- [5]. "Electronic Discourse - On Speech and Writing on the Internet - 3. Internet Relay Chat Discourse". [Epubl.luth.se](http://Epubl.luth.se). Archived from the original on 4 March 2012. Retrieved 19 January 2012.
- [6]. CNET reviews - comparative reviews - chat clients - chatiquette The Internet Archive
- [7]. Regina Lynn (4 May 2007). "Virtual Rape Is Traumatic, but Is It a Crime?". *Wired*. Archived from the original on 20 December 2014.
- [8]. Topping, Alexandra (10 June 2009). "'Web 2.0' declared millionth word in English language". *The Guardian*. Archived from the original on 24 October 2016.
- [9]. Birkerts, S. "Sense and semblance: The implications of virtuality." In B. Cox (Ed.), *Literacy is not enough*. Manchester University Press. 1998.
- [10]. About Node.js. <https://nodejs.org/en/about/>.
- [11]. "Introduction Socket.IO." SocketIO RSS, 6 May 2022, <https://socket.io/docs/v4/>.
- [12]. "Mustache.js - Logic-Less {{Mustache}} Templates with JavaScript." Mustache - Npm, <https://www.npmjs.com/package/mustache>.