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SquashCord: Video Conferencing Application Using WebRTC

[Adhiksha Thorat](#) & [Avinash Bhute](#) 

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Abstract

WebRTC is a framework that helps to facilitate real-time communication between browsers. It provides services through application programming interface (API) and allows web applications and sites to exchange video and audio streams in real time. It is an open-source software developed by Google. The research presented in this paper delves into the development of a multi-peer video conferencing application that is developed using technologies like WebRTC, Node.js and Socket.io. WebRTC establishes a peer-to-peer network, and Socket.io (a library in Node.js) acts as a signalling mechanism for exchanging data necessary for establishing this network. The developed application works well on