

Wundrsight Full-Stack Dev Intern Assignment

As part of the hiring process, you are requested to complete this assignment. The purpose of this assignment is to create a web chat application based on **Socket.io/ WebSocket/ WebRTC** using **MERN or MEAN stack**. The web chat application should have a two-way real-time communication between two parties. The web chat application should also have some additional features such as online status, message history, message editing, message deletion, and message delivery.

Timeline:

72 hours from receiving the assignment email.

Objective

- To Create a web chat application based on Socket.io/WebSocket/WebRTC
- You can use MERN or MEAN Stack for the purpose
- The web application should have a 2 way real time communication between two parties.

Deliverables:

- The app should be able to have real time two way communication without any delay. It should not use http requests rather it should use socket connection
- The app should show online status of the recipient
- You are allowed to style the app as you like. Better animations will be a plus point.
- The web application should be created taking in consideration the mobile screen size and the tablet screen size
- The user should be able to load previous messages from chat

Bonus points:

- The candidate will be awarded more points if the code has better time-space complexity
- Plus point if the candidate follows good naming convention, abstraction, SOLID principles.
- Plus points will be awarded if the candidate can implement delete and edit message feature
- Plus points for implementing a message delivery feature (if the recipient has read the message).

Submission:

Mail the assignment with heading 'Fullstack Developer Internship Application'' with Source Code zip and a video of the working prototype to careers@wundrsight.com.