

MERN Stack Developer Assignment Project

Dear Candidate,

Please find below the details of the assignment project as part of our interview process.

1. DEFINING THE TASK:

We have all encountered chat over the web, that can be Facebook, Instagram ,WhatsApp and the list goes on. Just to give a bit of context , you send a message to a person or a group of people, they see the message and reply back .So your task is to develop a simple chat like Facebook/WhatsApp Messenger. Here is what you will be using to built this application

Front End: React.JS

Backend: NodeJS & ExpressJS

Real Time Communication: Socket.IO

Database: MongoDB (with Mongoose)

2. REQUIREMENTS:

- A.** You are required to create a simple chat; this is the only requirement. No fancy features are needed, just a simple chat
- B.** One-to-one chat when one user sends a message then another user receives the message in real time.
- C.** When one user goes offline then the other user sees '**the user is offline**' and when the user starts typing then it shows a message in chat '**user is typing**'.
- D.** When a user goes offline, display a status message: 'User is offline.'
- E.** When a user starts typing, show an indicator in the chat: 'User is typing...'

3. SUBMISSION INSTRUCTIONS:

- Upload your code to GitHub and share the repository link.
- Optionally, deploy the application and provide the live demo link.

Best of luck!



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