

Technical Round Assessment

(5 Days Task)

- **Node.js (Backend)**

Build a Chat management structure where two users can communicate each other. Messages should be structured with date time in such a way that they will contain status of message as seen or unseen. Users can set their status as active and inactive, if user1 sets it's status to inactive then user2 cannot send message to user1. Users could also send files or images with message. Create Apis based on these structure as need for frontend with proper exception handling. (Use of Web-sockets is Optional and Appreciated)

- **React.js (Frontend)**

Develop a responsive Chat Component where two users can communicate each other. There should be a list of users with their particular chats. Each chat messages will contain the message, file or image, date, time, status of seen and unseen. The count of unseen new messages will be shown on the list of users. While sending message the user will also have an option to upload and send files or images, the preview of image or file should be shown if uploaded. The user can set the status of active and inactive. if user1 sets it's status to inactive then user2 cannot send message to user1. Integration is expected with proper exception handling. (Use of Web-sockets is Optional and Appreciated)