Dear candidates,

Please complete the following technical assessment and submit your responses within **3 days after receiving this email**. You may submit your response by replying directly to this email.

Questions & Instruction :

1. Create a diagram for a chatting system that supports both group and single chat.

2. Create a database structure for point (1) above using an Entity-Relationship Diagram (ERD).

3. Using the dummy JSON response below as the conversation data (https://bit.ly/chat_room_endpoint), create a chat interface with a responsive view (web and mobile). Attach your answer as files used or deployed to a location where we can evaluate it.

4. Extend the JSON format (payload) to display other message types containing images, videos, or PDFs. Upload or attach the .json file as part of your answer.

5. Develop the chat page interface to display messages containing images, videos, or PDFs. Use the .json file created in the previous step as the conversation data.

Please ensure that your submission includes all the requested files and any necessary deployment links. If you have any questions or need further clarification, please feel free to reach out by replying to this email or via WhatsApp at +62 823 2468 6531. We look forward to reviewing your submission.

Thank you, and best of luck!