Full Stack – Final Project 2

You need to build a Messenger ("Whatsapp alike") application.

The messenger will implement the following:

1. A Login page for the registered users.
2. Each user can send message to any other user
3. Each user can create a Group and add other users to that group
4. Each user can get message from any other user and messages to the groups he's a member at.
5. Each user can exit leave a group.
6. Each user can watch a list of all the groups he's member of.
7. Each user can block and unblock other users.
8. Each user can watch a history of all his last 20 coversations.

Guide lines:

- The main feature of such an application is "pushing" data from a server to a user at real time. When a user sends a message' that message MUST be send to the server which will store the data in a data base and will NOTIFY the target user with the message that has been just arrived.
  For implementing the "Data pushing" from the server to the client (the target user) You need to implement a Web Socket. A Web Socket id a feature the can sends data from server to client (instead of a client that request a data from the server)

  you'll need to use 1 of the following 2 options to implement a Web Socket ability:
  1. Implement a Node.JS with a Socket.IO module
  2. Use the messaging service of a Fire Base (with or without implement your own node.js based server)