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**ENGR 131 Final Project Proposal**

1. Our group’s team number is 141.
2. The team members are Justin Lee and Jacob Alspaw.
3. We will call this project Zoom.
4. This project will be an instant messenger / message board mix that will utilize a simple GUI. The script will allow for the user to send text-based messages over a network which will then be displayed to any user connected to the server. The chat logs will be saved on the server side, which will record the data and time a user sent the message, the users IP address, the message itself, and perhaps username of the computer’s logged on account. This log will contain anything and everything that has been sent to the server. The information will be backed up on a separate file.
5. No. Both group members are fully aware of how to create TCP connections with Matlab, and are aware of the need for a host server and a client.
6. This project will use a loop because the script will need to continuously check if a user has connected to the server and sent a message.
7. A function we can utilize will be a function to create a connection to the server. This argument will need to receive at least the server’s IP address and a port they would like to connect with.
8. This project will need to store data in a cell array because the users IP addresses will not all be the same length, along with the data and time, and the message itself.
9. This project will be storing the chat into a text file after each message sent. A backup of this log will be created every so often.
10. Our team does not have three members.