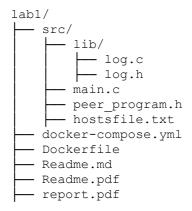
CS 7610: Lab 1

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Directory Structure



- src/ contains the source code for the peer program.
 - src/lib/ contains external libraries. (log_c and log_h for logging)
 - src/main.c contains the main function for the peer program.
 - src/peer program.h is the header file.
 - src/hostsfile.txt is the hosts file.
- docker-compose.yml docker compose file for running the containers.
- Dockerfile is the Dockerfile to build the docker image.

Instructions to run the code

- 1. Open the terminal in the lab1/ directory.
- 2. Build the docker image using the command docker build -t prj1.
- 3. Run docker compose up to bring up the containers and view the output in the terminal.

Notes

- 1. Only READY is printed to stderr, everything else logged.
- 2. Line 7 in main.c sets the logging level to LOG_ERROR any fatal errors in the program are shown in the docker logs.
- 3. Program runs indefinitely until stopped by the user.
- 4. Peer names in hostsfile.txt should match container names in the docker compose file (not case-sensitive).