

# EECS 22L: Instant Messaging App V1.0 Release

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The final deliverable in the chat project is the 1.0 version of the Instant Messaging program for the user, as well as the corresponding 1.0 version of the program source code and documentation. In contrast to the previous alpha and beta versions, this V1.0 version should be complete and fully functional. All known shortcomings and current limitations should be listed in the README file that accompanies the software packages.

**NOTE: 10 points will be deducted from the current assignment for all the teams that have not submitted their GUI screenshots and app name by this assignment's deadline.**

**NOTE: 10% of this assignment's points will be awarded for the QUICKSTART file.**

The credit will be awarded in the following way: 20% of the credit will be given for the packaging (including file hierarchy), 10% for QUICKSTART, and the rest will be given on the content of each file and the performance of the program. For full credit (100%), your package should have the following minimum file hierarchy:

## User/Customer Package (Chat\_V1.0.tar.gz)

- **README** // author, version, date, general instructions ...
- **COPYRIGHT** // author and copyright
- **INSTALL** // installation instructions
- **QUICKSTART** // Quick Setup Guide
- **bin/** // binary directory
  - *chat* // the executable program
- **doc/** // documentation directory
  - *Chat\_UserManual.pdf*

## Source Code Package (Chat\_V1.0\_src.tar.gz)

- **README** // author, version, date, general instructions, ...
- **COPYRIGHT** // author and copyright
- **INSTALL** // installation instructions, just let the user type `make` is enough!
- **Makefile** // top-level, tool-specific Makefile, should support: `make`, `make test`, `make test-gui`, `make test-comm`, `make clean`, `make tar` (compress the source code package)
- **bin/** // binary directory, when the user types `make`, the executable or its symbolic link should be generated here, as well as logs

- **doc/** // documentation directory
  - *Chat\_UserManual.pdf*
  - *Chat\_SoftwareSpec.pdf*
- **src/** // source directory, with all source code, test files and Makefile
  - *Makefile* // lower-level Makefile for sources
  - *chat\_server.c* // maybe other modules and header files: chat\_client.c, config.c, types.h
  - *test\_comm.c* // check the communication between client and server for different types of requests
  - *etc.*

Notes:

**QUICKSTART** Your QUICKSTART file should contain all the information required for a new user to quickly set up and start chatting after unpacking their user package. Your file should include, but not limited to the following: a demo account, any install/connecting/chatting instructions.

Example: Type `cd bin, then ./client <server> <port>`, then you can Log In with the following demo account: user: PeterAnteater password: 87654321 and start chatting.

**README** example: This is the 1.0 version chat software, to install, please type "make", for more detailed instructions, refer to the user manual.

**INSTALL** example: Type `tar -xvzf Chat.V1.0_src.tar.gz, then cd Chat.V1.0_src, then make.`

The above is fine. Keep **README, INSTALL, COPYRIGHT** brief. Guide the user to refer to the user manual or the developers to software spec for more details.

You can add other folders to your package if necessary, such as GUI libraries, resources (images/fonts/maps), etc.