

Project Proposal

“FoxChat”

My project will be a network based messaging platform aimed at delivering texts (and possibly images and other files) between clients over a local network in real-time. I plan to create an interface using Java & PHP to facilitate the transfer of data over a network. It is my hope to have all the chats saved to a database for archives. A possible feature of this chat service would be to include unique usernames & passwords for users who wish to have a tailored experience of the messaging service.

Upgrades to the program could include group chatting, where more than two users will be given access to one chat room. The program should be able to run using command prompt as well, due to java being used. The benefit of this would be that the application should be able to run on any operating system.

If successful, this program could serve as a prototype for a quick chat add-on to all Marist computers to quickly chat with anyone across the school once the unique id is supplied. Hopefully, the software could be able to handle concurrent chats, but the initial proposal should only be able to handle a single conversation.

Another addition to the program would be the ability to send ‘wacky’ messages with the use of certain key phrases to change the text. For example, typing the word ‘mreverse’ before a paragraph could reverse all the words of the paragraph. These additions would easily be created as methods to be re-used for the future. Also, borrowing inspiration from skype, writing certain phrases like (happy) within brackets could also create an ‘emoji’ image that corresponds to the words provided. This will create a friendly and fun way to chat amongst friends and also save time spent writing with a keyboard.