

Grand Valley State University

Project 2 Report

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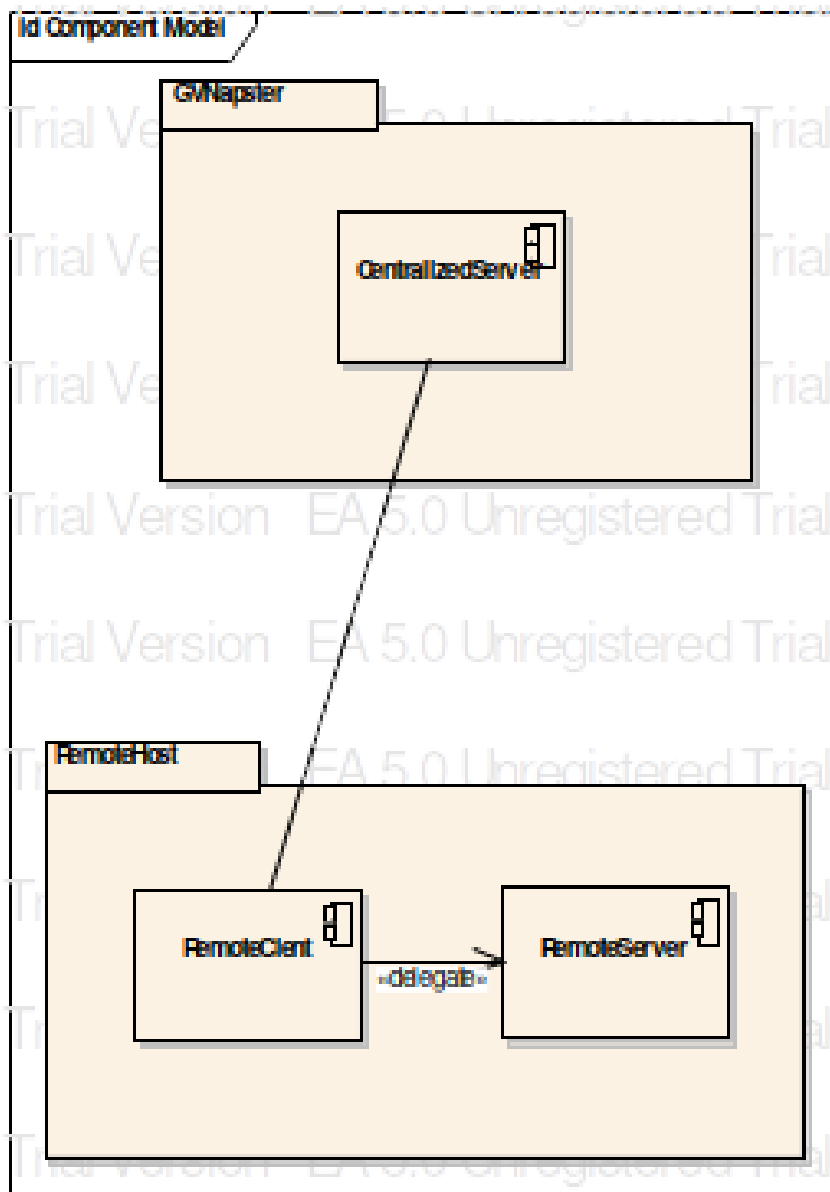
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FrankeNapster

Overview

FrankeNapster is a network application which is capable of providing a service that is much like the real Napster. The architecture consists of two distinct executables: the central server, and the “user” application. The central server stores a registry of currently connected users with usernames and other relevant information, as well as a registry of all of the files that are hosted by said users.

Design



FrankeNapster features:

- GUI implemented with JavaX Swing
- Smart Disconnect: Automatically unlists all of a user's files when the user disconnects from the central server
- Powerful Search: File search function searches file descriptions with Regular Expressions
- Lightweight File Server: Clients only need to support retrieving files, so that's all they do

Problems

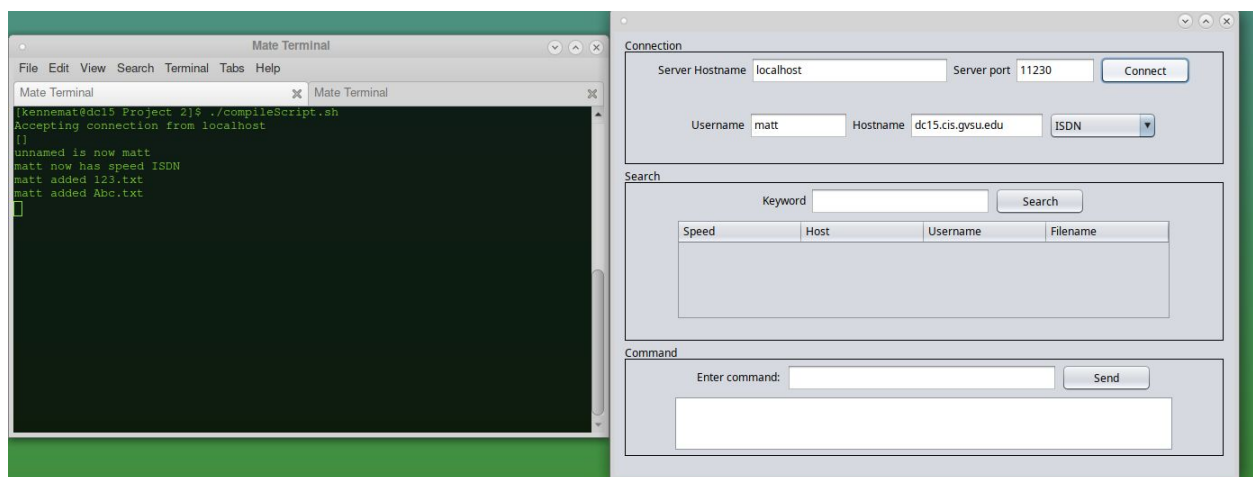
We did not have many actual problems besides those caused by our incredible ability to procrastinate. We decided early on not to reuse our implementation of FTP because it was slow and bulky, and included much more functionality than was necessary for this project (most of the functions would be copies of what the FrankeNapster client is already doing, e.g. searching, listing, etc.).

Summary

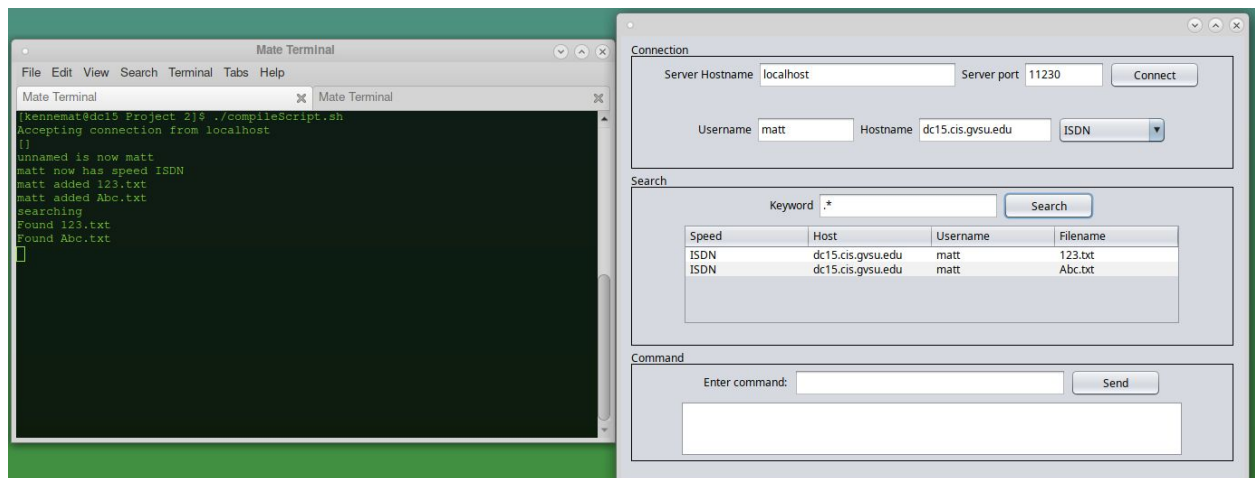
This was a nice project. It incorporated a lot of what we have learned in class, but is also simple and easy to understand. It was good to practice the lectures and labs in a full project. Additionally, it was good to learn more about connections in Java.

Screenshots:

Connect



Query



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