

Vinyl Swarm CLI Tool

The project I intend to deliver is a connected application that will allow for communication between two or more clients through a channel. This service will have the ability to facilitate this as an IRC. I intend to produce the same features that an Internet Relay Chat would offer. Connecting two peers and allow for multiple communications of messages within this system. I will also develop features in some capacity to allow API access to a separate data collection that can be accessible by clients with their pre-approval.

The overall design, I intend to implement will build is an application that also has the ability to hold records of the chat within a database architecture that interfaces with this chat and connects through an API. Users will also have unique profiles within this application to store and if desired delete chat records from this system. Users will also have a desirable collection of elements that are stored within their Profiles as a collection.

The Architecture will support a storage of “Vinyl” collections. These users will hold a collection of their personal records within this database system that interfaces with the User’s approved contacts or friends within the system. Approved Friends can contact one another and communicate about their collections, and desires. The Purpose of the communication is to inform the User’s friends that along with the ability to browse their collection of Vinyl records. There is also the need to keep collecting, each user is able to build a collection of “Wants” which will contain their desired releases or future purchasing desires. This list allows for Users who have been attracted to the ease of communication to see their friend’s list and inform them that certain stores and records are within print and subsequently available within certain locations, or luckily communicate with the interested parties that an exchange could be made.

I intend to make this a command line tool with a moderately intuitive terminal interface. That will encompass the command the following criteria.

I will likely struggle learning to implement an API for REST services within Rust as I am not even slightly familiar with the frameworks for developing them. I

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also believe that I will need to build an interface within a TUI library for this project to be feasible. I think with some practice I can begin to leverage one of the frameworks to build a decent looking application.