Aquamarine Toolkit

https://github.com/CerulanLumina/aquamarine-toolkit/

Overview

Aquamarine Toolkit is a set of utilities that will enhance the user experience of people using multiple computers. While our foremost intention is to provide utilities for host / virtual machine environments, the structure of the application should not prohibit several physical computers as well.

Several basic features that we'd like to include in our minimum viable product are:

- Open links on other machine
- Synchronize clipboard
- File transfer (following KISS Principles)
- Cross Platform compatibility

Additional features that have a lower priority might include:

- FUSE Mounts of cross-system files
- Execution of commands / macros on other machines

Semester Plan

At first, the plan will be to setup repositories with the necessary open source documentation, such as a code of conduct, and create project boards to better visualize our intended features. Then, we will move into implementation by creating an application following client/server model that can connect via TCP to the reciprocal application.

At this point, features should be implemented.

Technology

Being system-level daemon applications, we will be using the systems programming language Rust, along with relevant open source libraries ("crates") to develop the toolkit.

Team

Name	GitHub Handle	Email
Kate Vandermolen	@CerulanLumina	kate@katevandermolen.dev

Milestones

- End of week 1: repository, code of conduct, project boards created
- Week 3: Rust project boilerplate / TCP model complete
- Week 5: Several Features implemented, ideally MVP (see above)
- Week 8: Additional features with lower priority (see above)

End of Semester is at +8 weeks I believe? Trying to encapsulate the whole project in a single semester.