

Milestone #7

NetBSD Wifi Browser Project 2022
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1 General Progress Report

Progress within Surf was fairly minimal this milestone. Being that it is functionally complete, little tasks are being performed to improve it in small ways. Along with this, the Makefiles were converted to BSDMake. Progress for CLI mostly involved thoroughly taking the time to understand the skeleton code and implement the remaining CLI methods. Some research on getopt_long and how I might implement it. Cannot test CLI interface on my computer through WWU Linux shell. Currently looking for a solution to this. TUI implementation is well under way, skeleton and layout of TUI is complete and API is beginning to be implemented. Most of the current work is looking at the curses man pages to figure out what functions are needed when retrieving data from the API and printing it, and also when retrieving input from the user and sending it to the API.

Accomplishments

- Surf listing output has been improved
- Makefiles converted to BSDMake
- All API methods implemented in CLI
- Have TUI be able to be interacted with

Targets Not Met:

- Cannot test CLI interface on Stephen's computer
- TUI implementation not yet at 50 percent implemented

2 Git Branch Report

A branch, `TUI_test` was made to begin implementation of the TUI.

3 Individual Progress

Kevin: 7 hours

- created seperate TUI branch as not to mess up the API and CLI when they are testing
- uploaded some of the TUI implementation to test branch (more needs to be Added)
- worked with window creation and implementation of TUI display for user interface
- worked with curses man pages to asses what functions are needed when giving and getting info from the API

Dylan: 4 hours, 5 minutes

- Improve the output for Surf's listing functions
- Moved the testing files for Surf into the dedicated test directory
- Added a testing script to automate Surf testing
- Converted all of Surf's Makefiles into BSDMake
- Modified Surf's error output to only print when `DEBUG` flag set at compile time → might send to a log alternatively

Stephen: 4 hours, 0 minutes

- All API methods for the CLI have been implemented
- Thoroughly took the time to go through the code, did some research on `getopt_long` and how to implement it
- Cannot test CLI interface on my home console, will need to find solution. I'm not sure why but I cannot connect to `wpa_supplicant` through WWU Linux shell. Currently looking for a solution to this.