Milestone #7
NetBSD Wifi Browser Project 2022
Dylan Roy, Stephen Loudiana, Kevin McGrane

1 General Progress Report

Surf is finished, so work on an XLib GUI of the wifi browser has begun. At the very moment, the GUI has some buttons and is successfully listing available networks from a scan. CLI methods are correctly implemented with the help listing for each command, as well as the syntax to be used for getopt_long. Most of the work this week was researching how to use getopt_long for our program. The TUI is at a stage where API implementation is now needed to further implement, as of now the TUI displays placeholder networks and the user is able to select a specific network and open a sub window where they will be able to access more network specific options and commands.

Accomplishments

- Started a GUI: Hangten

- Hangten shows available networks

- Help methods for CLI, program loop fixed, exit method, reorganizing of cli

- Have a TUI that works and is able to be interacted with

Targets Not Met:

- TUI has not fully implemented API

New Expectations: Hangten should at the very least be able to connect to simple networks by the next milestone, if not EAP networks too.

2 Git Branch Report

There exists `TUI_test`. TUI development has been taking place here.

3   Individual Progress

Kevin: 7 hours, 15 minutes

- Implemented placeholder connections that are able to be selected

- Implemented light user input and interaction to select possible Network connection

- Formatted window for displaying all possible network connections

- Began implementation on sub window used for network specific actions once networks is selected

- Brainstormed more Naming options and finalized on either "Coastal" or "Tidal"

Dylan: 11 hours, 15 minutes

- More Surf error stuff

- Started XLib GUI

- Buttons!

- Listing scanned networks working

Stephen: 4 hours, 13 minutes

- Implemented CLI methods to use getopt_long syntax

- Did some research on getopt_long and how to implement it

- Fixed help listings for each command and fixed command loop

- Most of the work this week involved developing a plan to use getopt_long in our program. To which I am fully confident in implementing.