Milestone #6

NetBSD Wifi Browser Project 2022

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Current Project State

API - The API at this time is functionally feature complete. The work left to do is to improve the output of the listing functions in particular to simplify the work of interface implementers, and to make changes or fix bugs in response to anything that comes up during the CLI and TUI development this quarter.

CLI - The CLI will need to be redeveloped using the new CLI, or the previously existing CLI. I'm still not sure what is wrong with the CLI I developed. If we can use the previously existing CLI, then the CLI portion is already completed. Otherwise, I will need to implement the commands from the API in the new CLI.

TLI -

Quarter Tasks

Tasks will be stricken when they are completed like so: ~~Task~~

API

Milestone 7 April 20

- Improve list output for listAvailable and listConfigured

- Move testing program out of `src/` and into `test/`

Milestone 8-9 May 18

- Fix bugs related to CLI and TUI work

CLI

Milestone 7 April 20

- Enhance the display of the CLI.

Milestone 8 May 4

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Milestone 6 May 18

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TUI

Milestone 7 April 20

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Milestone 8 May 4

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Milestone 6 May 18

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Testing Plan

API Testing

- Ensure list output modifications has not affected previous successful test results

CLI Testing

- User commands are processed correctly

- Print list of available networks to stdout

- Print list of configured networks to stdout

- Connect to network of provided ssid (unsecured)

- Connect to secured network of provided ssid:

    - Prompt for passkey

- Connect to secured network of provided ssid and passkey

- Connect to EAP network of provided ssid:

    - Prompt for username
    - Prompt for password

- Connect to manually configured network

    - Prompt for ssid
    - Create a new network configuration using ssid; select as current configuration
    - Commands to add information to configuration

- Edit a configured network

    - Prompt for ssid
    - Focus network configuration of the specified ssid
    - Commands to edit/add information to the configuration

- Change default configuration file

- Use specified configuration file

TUI Testing

Done this Milestone

Kevin:

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Dylan: 4 hours 45 minutes

- Improved API list output → could still use more improvement

- Created man page documentation for the API

- Renamed the API to `Surf`

- Turned `Surf` into a *real* library (a `.a` file)

- Initialized and ensured the completion of Milestone 6

- Managed customer contact and meeting scheduling

- Team meeting and client meeting

Stephen:

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