Wifi Browser Quarter Development Plan

CSCI 492, Winter 2022

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

Milestone 2 January 28

- ~~API Scaffolding/design~~

- ~~API Connect to running `wpa_supplicant` process~~

- ~~API Create local config file for `wpa_supplicant` to use~~

- ~~Makefile for building src and tests~~

- ~~CLI scaffolding/design~~

- ~~CLI Support for current API features~~

- ~~CLI Create testing scripts~~

Milestone 3 February 11

- ~~CLI Integrate API support~~

- ~~CLI Expand testing to include API functionality~~

- ~~API Connect to unsecure networks w/ sudo~~

- ~~API Connect to WPA/2/3 secured networks w/ sudo~~

- ~~API Connect to hidden networks (manual wifi-configuration)~~

- ~~API Expand testing, formalize testing strategy~~

Milestone 4 February 25

- CLI Bugfixing from testing

- CLI Expand testing

- TUI Scaffolding/design

- TUI Support for current API features

- TUI Create tests

- TUI Devise testing strategy (might be people test; many CS faculty use NetBSD)

- ~~API Passkey Hashing (Passkeys are wifi passwords)~~

- ~~API Bugfixing from testing~~

- ~~API Connect to WPA-EAP secure networks w/ sudo (most specifically wwu-secure)~~

- ~~API Ability to edit fields of already configured networks~~

- ~~Use without sudo privileges (groups/users? where is this handled?)~~

Milestone 5 March 11

- Finish CLI with support for all API features

- Finish TUI with support for all API features

- ~~API WPA-EAP auto-configure~~

- ~~API bugfixing~~

- CLI/TUI Bugfixing from testing