

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 Establish default configuration file semantics
- API Connect to running `wpa_supplicant` process
- API Create local config file for `wpa_supplicant` to use
- API Connect to unsecure networks w/ sudo
- API Connect to WPA/2/3 secured networks w/ sudo
- API Passkey Hashing (Passkeys are wifi passwords)
- API Connection removal from configuration file
- Create C-based test suite
- Makefile for building src and tests

Milestone 3 February 11

- CLI scaffolding/design
- CLI Support for current API features
- CLI Create testing scripts
- API Bugfixing from testing
- API Connect to WPA-EAP secure networks w/ sudo (most specifically wwu-secure)
- API Connect to hidden networks (manual wifi-configuration)
- API Expand testing
- TUI Devise testing strategy (might be people test; many CS faculty use NetBSD)

Milestone 4 February 25

- CLI Bugfixing from testing
- CLI Expand testing
- TUI Scaffolding/design
- TUI Support for current API features
- TUI Create tests

- API Bugfixing from testing
- API Support for multi-interface configurations
- 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/CLI/TUI Bugfixing from testing
- Time left for unfinished work or for code cleanup