

# 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
- TUI Scaffolding/design
- TUI Devise testing strategy (might be people test; many CS faculty use NetBSD)
- 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
- 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 Support for current API features
- TUI Create tests
- API Bugfixing from testing
- API Connect to WPA-EAP secure networks w/ sudo (most specifically wwu-secure)

- 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