

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 Consistency check manual configurations~~
- ~~API Connect to WPA-EAP secure networks w/ sudo (most specifically wvu-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