# How to build a SwiftUI Menu Bar App

# SwiftUI & macOS Menu Bar

- MenuBarExtra scene

  - Introduced in macOS Ventura

- MenuBarExtra styles

  - ListStyle

  - WindowStyle

# Xcode demo

# Requirements

- macOS Ventura

- Xcode version: 14.1 (or higher)

# Setup

Replace `WindowGroup` scene with `MenuBarExtra` scene in `<AppName>App.swift`:

```swift
WindowGroup {
    ContentView()
}
```
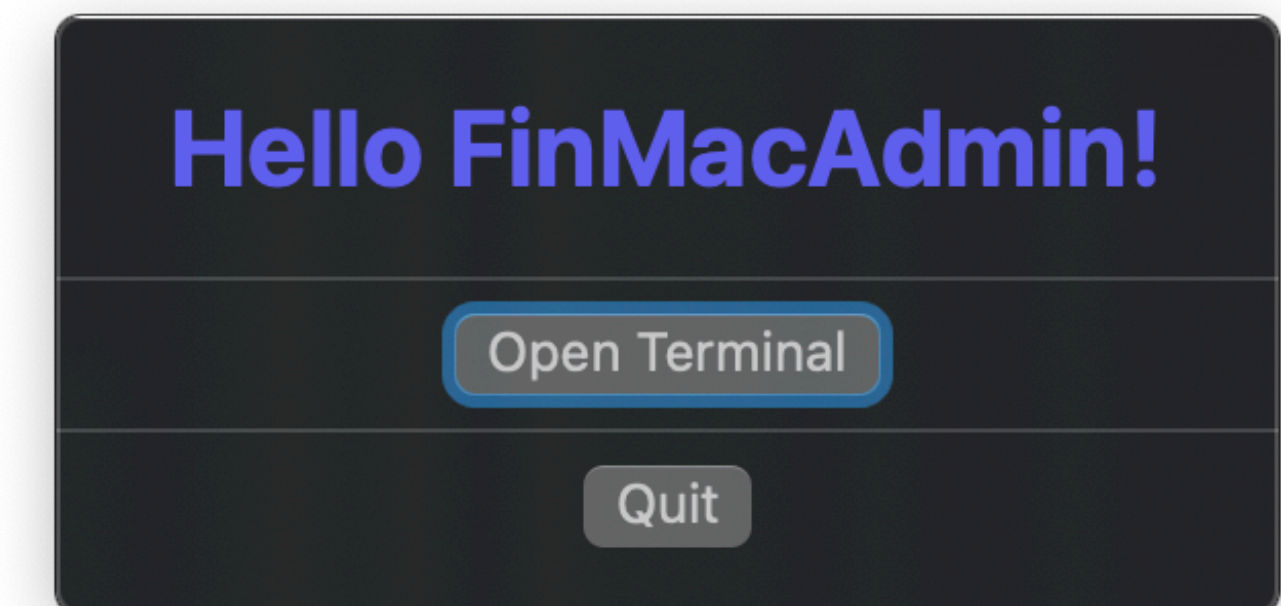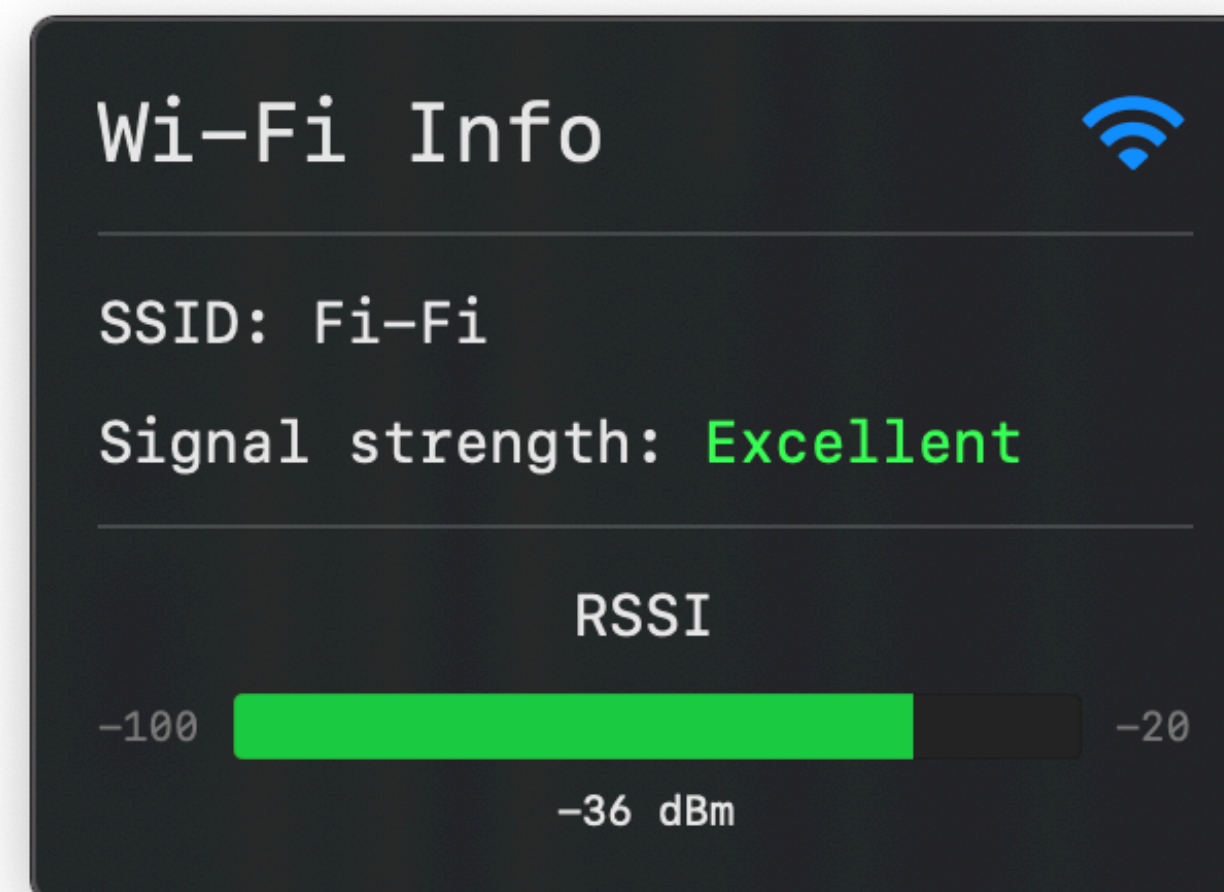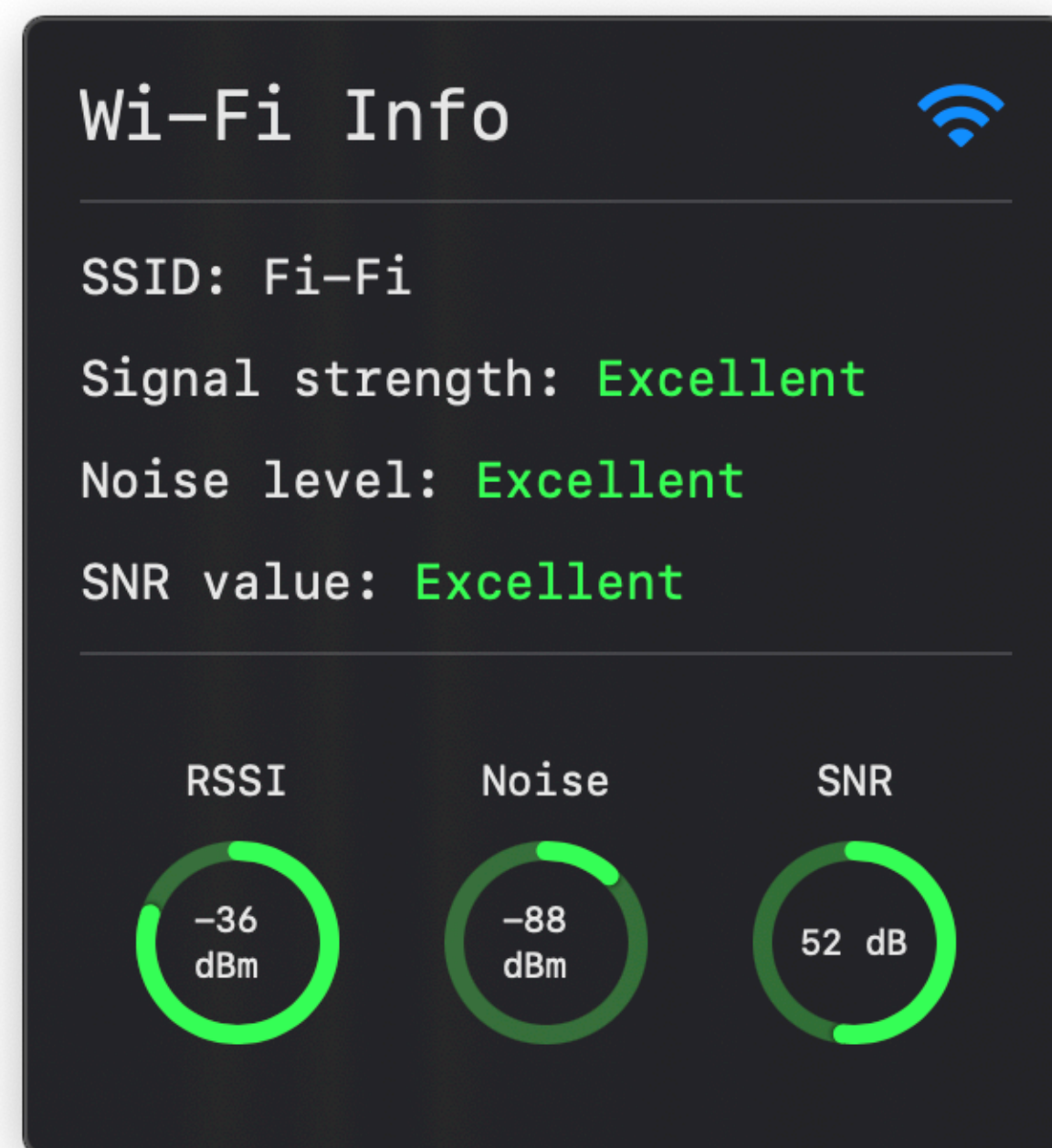
# Setup

Replace `WindowGroup` scene with `MenuBarExtra` scene in `<AppName>App.swift:`

```swift
MenuBarExtra("Demo", systemImage: "pc") {
    ContentView()
}
```

# Additional information

- How to hide app's Dock icon?

  - Add **Application is agent (UIElement)** key to project's **Info.plist** and set its value to **YES**

# Demo app

# Demo app

- Example views

  - See `SwiftUIMenuBarAppDemoApp.swift` file

  - List style menu bar app

    - `MenuBarList()`

    - `.menuBarExtraStyle(.menu)`

  - Window style menu bar app

    - `MenuBarWindow()`

    - `.menuBarExtraStyle(.window)`

# Demo app

- **Wi-Fi Info**

  - SSID name

  - RSSI value

- Key components

  - CoreWLAN framework: **CWWiFiClient**

  - SwiftUI **Gauge** view

- Bonus example

  - `MoreGaugesView()`

# Links

- Apple Developer Documentation:

  - https://developer.apple.com/documentation/swiftui/menubarextra

  - https://developer.apple.com/documentation/swiftui/gauge

  - https://developer.apple.com/documentation/corewlan/cwwificlient

- Demo app repository:

  - https://github.com/jlehikoinen/SwiftUIMenuBarAppDemo