## Introduction

Tired of checking the weather only to find that the weatherman was totally wrong? Want to be able to track the weather at your exact location at any time? Well then, keep reading!

This project is a portable, Bluetooth enabled sensor pack. It allows you to monitor temperature, humidity, barometric pressure, altitude, UV index, and intensity of visible and infrared (IR) light, all from your Android device.

Excited? Me too. So here are the project’s goals:

* To create a portable, Bluetooth enabled pack of useful sensors
* To have the pack transmit sensor data to an Android device
* To create an easy-to-use app for accessing the data on the Android device
* To make the system as power efficient as possible
* To make it customizable, with the option to add different sensors

To test hardware, wire it up on a breadboard and use Adafruit's example code for nRF8001 breakout board (**include in git repo**) with Nordic Semiconductor's app (**include link to app**).

Can change device name in lib/Adafruit\_BLE\_UART/utility/uart/UART\_over\_BLE.xml, line 81 (**test this**)

Must also change name in android code.

To add Arduino library:

1. Sketch 🡪 Import Library… 🡪 Add Library…
2. Browse to folder containing library files