README:

Hardware Requirements

* Arduino Uno : [Link to item](https://www.sparkfun.com/products/11021), $24.95
* Arduino Stackable Header kit (2): [Link to item](https://www.sparkfun.com/products/11417), $1.50 x 2
* Weather Shield: [Link to item](https://www.sparkfun.com/products/12081), $39.95
* Xbee Shield: [Link to item](https://www.sparkfun.com/products/12847), $14.95
* Xbee Explorer USB: [Link to item](https://www.sparkfun.com/products/11697), $24.95
* Xbee Pro (2): [Link to item](https://www.sparkfun.com/products/8742), $37.95 x 2

Setting up the sensory unit

* Connect the Arduino Uno and Weather Shield with solder on headers.
* Connect the Weather Shield and the Xbee Shield with solder on headers.
* Connect the Xbee Shield and one of the Xbee Pros.
* Connect the Xbee Explorer USB and the other Xbee Pro.
* Configure the two Xbee Pros using the XCTU configuration and test utility software.
* Upload the Weather Balloon Arduino Code and the Humidity and Pressure Libraries to the Arduino.

Desktop Application Setup

* Download the entire ‘Weather Balloon – Desktop Application’ file and run the WeatherBalloon.jar file.
* All text files generated by the desktop application will be saved to a folder called ‘Weather Balloon Data’. This folder can be found in the ‘dist’ folder of the application.

Website Setup

* Download the entire ‘Weather Balloon – Website’ file and run the index.html file.
* All changes in terms of chosen website URL must be made to the code where applicable.
* The website is designed to only accept files generated by the weather balloon desktop application.