



Requirement Summary

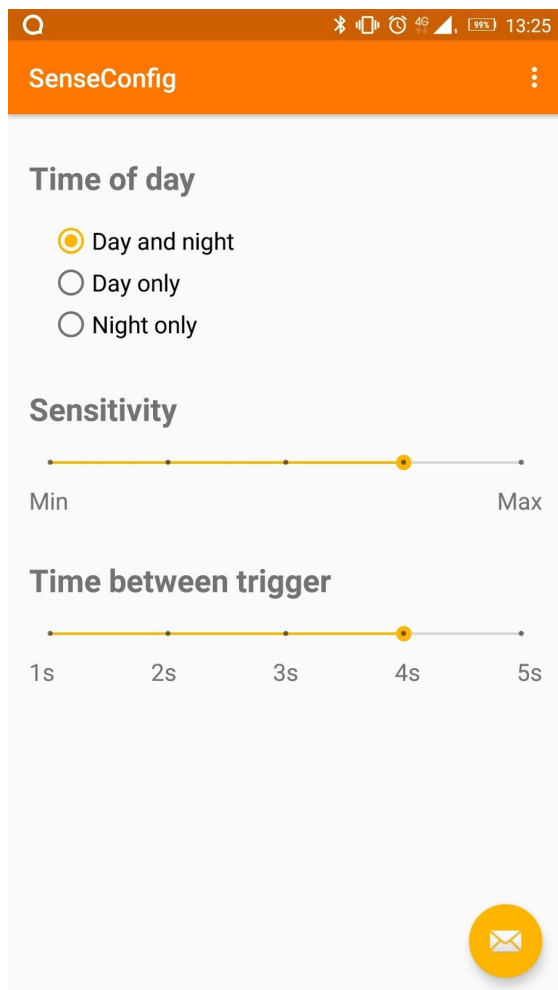
Appiko need a cross-platform (Android and iOS at least) application that can do the following things:

- Screen 1: Scan for BLE devices, filter out Appiko Sense devices and list them according to RSSI.
- Screen 2: On choosing one of them, connect to the device, discover the BLE database for configurable parameters and show them to the user with different options (slide bar, radio button, drop down etc.). The attachment gives an idea.
 - The current configuration and device details can be read and shown.
 - On pressing configure button the selected parameters need to be written to the BLE device and then the connection is disconnected. The app must go to the first screen.
- The app would have the colors and theming of Appiko (see attachment).

Due

Saturday, 17/03/2018

Mockup - Screen 2





Notes

- The app must be preferably be developed with open source components and with open source tools. The developed code will be open source.
- The app will be developed using the following tools:
 - [Bulma CSS Framework](#)
 - [Cordova](#) for multi-platform app development
 - [Github](#) for code management
 - Vim and Github's [Atom Editor](#) for code editing

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References

1. <https://cordova.apache.org/>
2. <https://github.com/don/cordova-plugin-ble-central>
3. <https://github.com/evothings/cordova-ble>
4. <https://ionicframework.com/getting-started>
5. <https://bulma.io/>