# Bluetooth Integrated Mobile Application

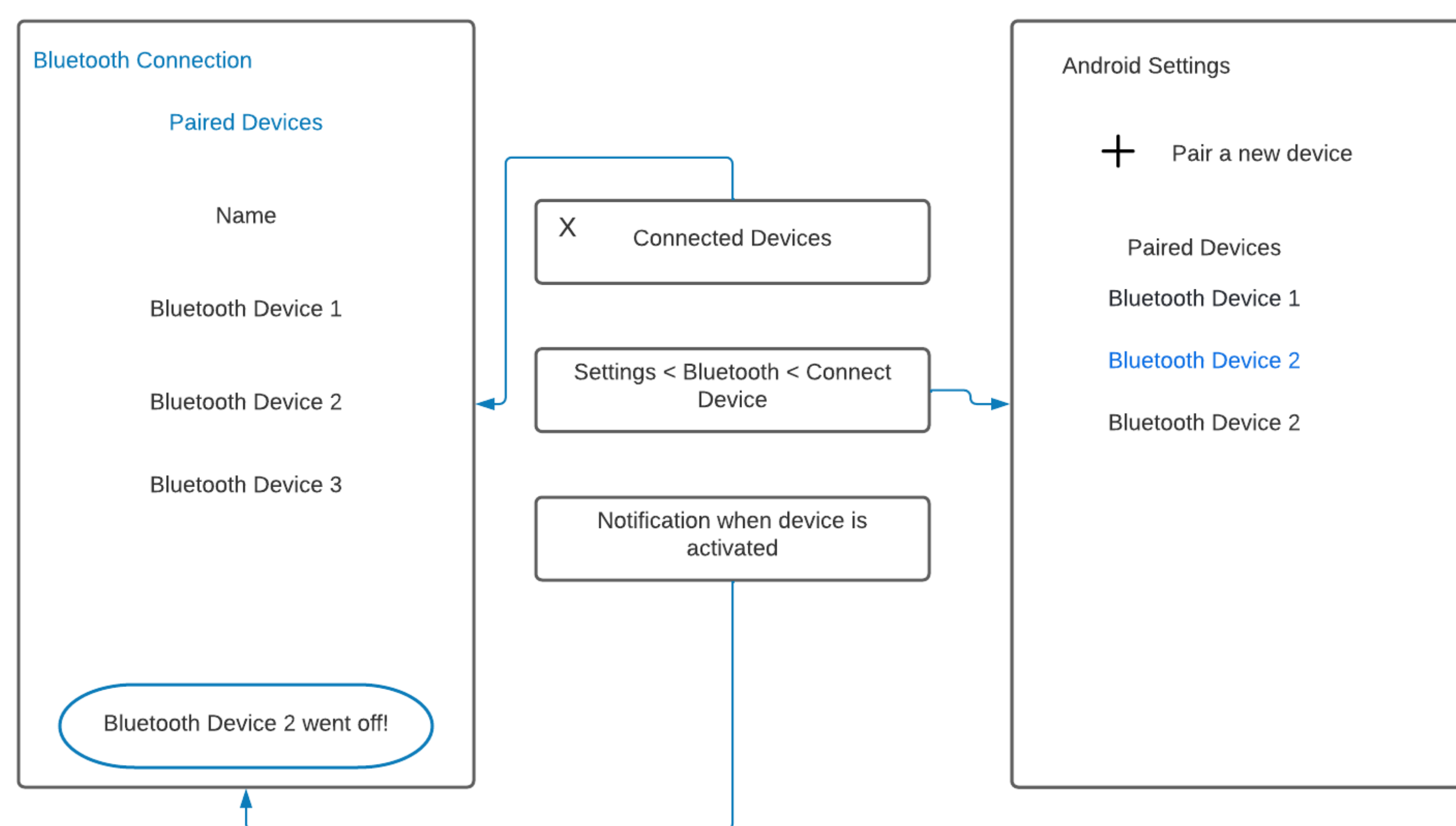Team Members: Nick Dorscher, Zachary Vig

Sponsor: Not Disclosed

## Objective

Our client wants to produce a mechanism that can connect to a user's phone in order to send them an alert when certain events occur.



## Our Plan

Our portion will involve creating an Android application that will allow the user to:

- Connect a Bluetooth device to a phone

- Have ease of use to match our target audience

- Create a notification system where a switch on the connected Bluetooth device is pressed and the user is notified.

## Tools

To create a working Android application, we will use a conduct research on the following topics:

- Android Studio

- Kotlin

- Bluetooth 5



## Result

We were successful in meeting our client's expectations with a fully functional Android Application. For demonstration purposes, we are connecting to a pair of headphones to show of functionality.



## Practical Application

Our client is remaining undisclosed to ensure advantage in their competitive market with a relatively new technology. For presentation purposes here are some practical scenarios for this mobile application.

- Hunting/Trapping



- Home Alarm System