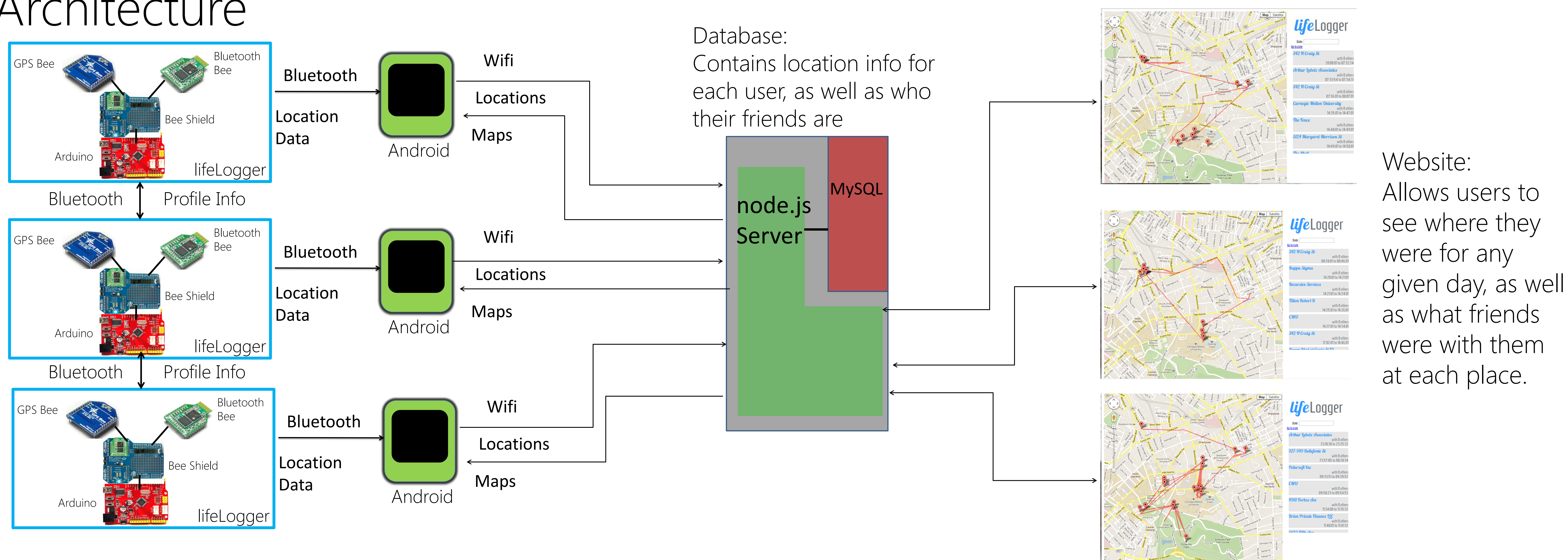# *life*Logger

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18-549: Embedded Systems Design: Professor Priya Narasimhan
www.ece.cmu.edu/~ece549/spring12/team20/index.html

Motivation

To create a digital journal of the user's life. Instead of manually trying to log everywhere you've been and everyone you've interacted with, you can carry a lifeLogger and have it done for you.

Architecture

GPS Bee — Bluetooth Bee — Bee Shield — Arduino — lifeLogger

Bluetooth → Location Data → Android → Wifi / Locations / Maps

Bluetooth — Profile Info

Database:
Contains location info for each user, as well as who their friends are

node.js Server — MySQL

Website:
Allows users to see where they were for any given day, as well as what friends were with them at each place.
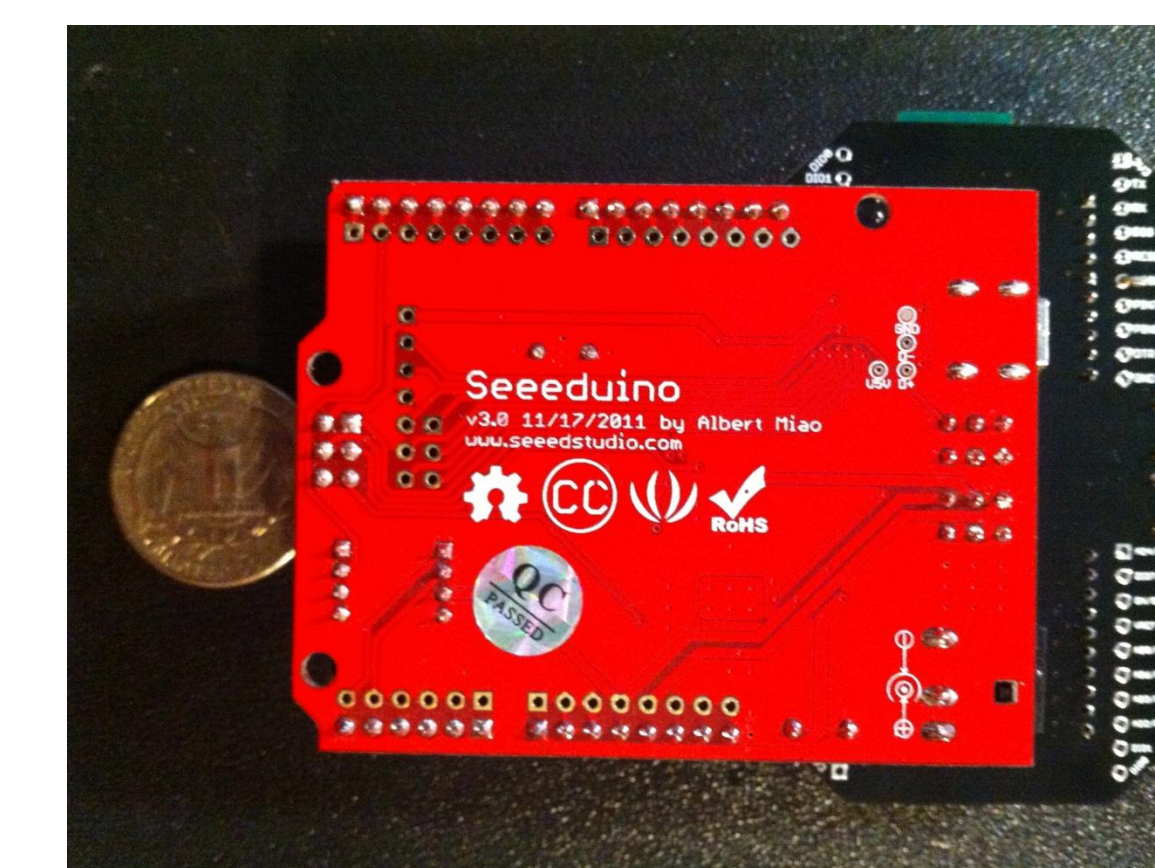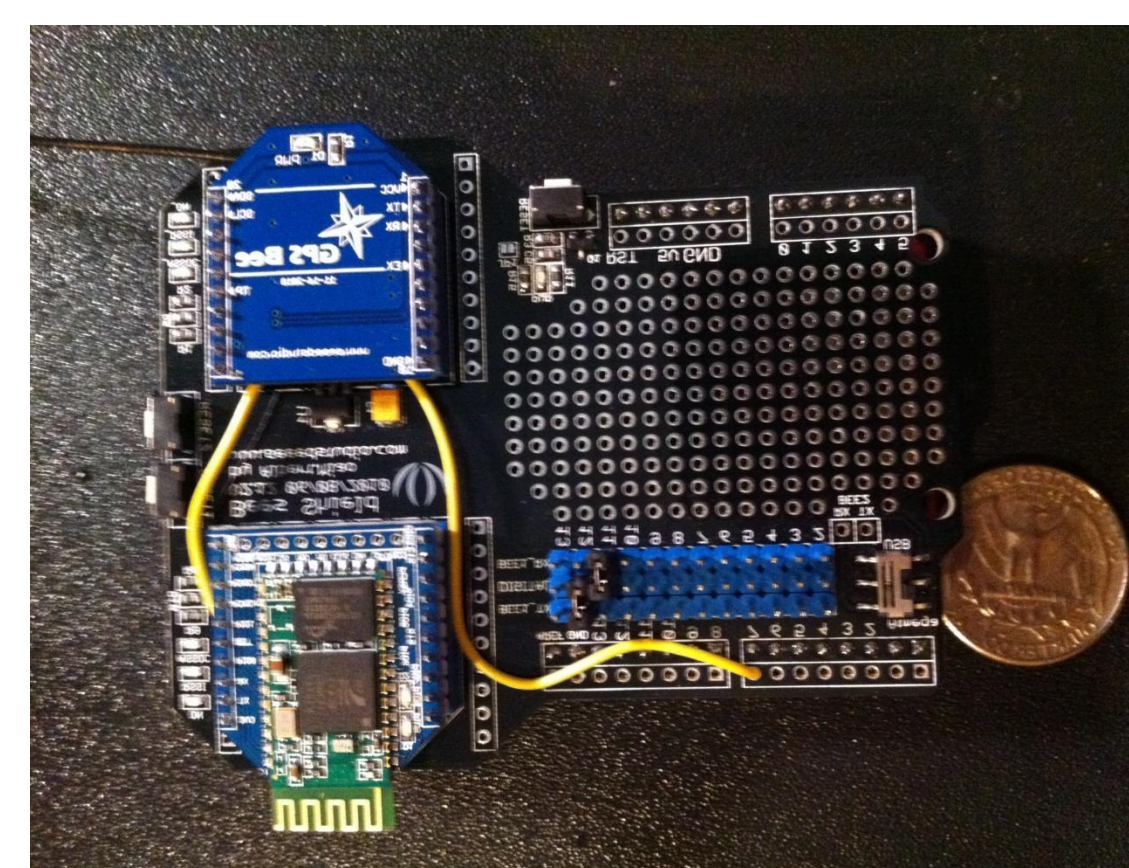
Development Environment

Nexus S
Android
Smartphone

Software

Arduino IDE, Eclipse IDE, Amazon EC2, MySQL, node.js,

Results

Prototype is capable of collecting data. Once the data is collected, it can be synced in the background of the Android phone, only requiring user input for the initial setup. Because the user is not exposed to data transfer, we decided to focus on reliability rather than performance, so the user is never bothered with a malfunction in the device.