Abstract
To create a lockbox that can be lock/unlocked with a mobile device which removes the physical need to keep up with keys.

Introduction
Mobile devices have become much more than simple devices for making phone calls and text messages. Today's devices are capable of email, mobile banking, and internet. As mobile devices become more integrated into people's lives, their role and capabilities will expand to fit people's needs.

Goals
- Develop a user friendly Android application that communicates with a lockbox via Bluetooth connection.
- Design and build a lockbox that has a built-in Bluetooth transceiver to communicate with the mobile device and a servo that is used to lock/unlock the lockbox.

Hardware
- An Android device with built-in Bluetooth to run the application developed using Bluetooth to control the locking/unlocking of the lockbox.
- A BlueSMiRF Gold Bluetooth transceiver to send and receive data to and from the Android device.
- An Arduino Mega2560 microcontroller to control the BlueSMiRF transceiver and the locking/unlocking of the lockbox.
- A lockbox to hold the microcontroller, Bluetooth transceiver, and store valuables.

Results/Conclusion
Successfully created an user friendly Android application that communicates via Bluetooth to lock/unlock a lockbox. The main idea of this product, controlling something with a mobile device, can potentially be developed into many different products other than lockboxes. For example it could be developed into the locking/unlocking of a car, lockers in an airport, and doors on a house.

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