Door Open Alert

Intro:

This repository contains the design documents and code used to build a device with a purpose to alert me if someone opens my room door when i am not at home.

If you are living in shared accommodation and you are concerned for the security of your belongings inside your room or even for general security of the entire house. This device can be installed to any door that you want no one else to open without your knowledge.

Explanation of Components:

Function related components:

* Reed Switch and magnet combination for sensing
* Arduino or any other controller to trigger response
* Bluetooth module or wi-fi to channel the message to owner
* Power supply

Functional Requirements:

Construction

Code:

Data Abstraction:

Math:

Limitations:

Installation

Future:

To Do:

* Use ON/OFF switch (Push Button) to activate de-activate
* Fix the App email problem
* Fix App Screen Update Problem
* Turn off screen after 10 seconds of inactivity
* Prepare box
* Solder onto hardware

Lessons Learnt: