Overview

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| **Goal** | **Finish Date** |
| Floor plan | December 22, 2018 |
| Build House | January 7, 2019 |
| Create layout   * Wire diagram | January 8, 2019 |
| Place hardware and wire devices | January 9-10, 2019 |
| Start programming protocols  Start Report | January 11, 2019 |
| Test | January 14, 2019 |
| Debug | January 18, 2019 |
| Finish Report | January 19, 2019 |

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| **Device** | **Use(s)** | **QTY.** |
| Alarm | When intruder tries to enter house | 1 |
| Motor | Operate door | 1 |
| Ultrasonic | To detect if someone is in the house when it is locked | 1 |
| Bluetooth module | To control lock and contact phone | 1 |
| LEDs | Turn on lights in various rooms | 7 |
| Arduino IDE | To program | 1 |
| House | Location of sensors | 1 |

House

* First floor
* Rooms/Things
  + Front door (maybe back door)
  + Living room
  + Kitchen/dining room
  + Bathroom
* Mix of cardboard and 3D printed mounts for sensors

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| **To do** | **Complete** |
| Build a house to use | ✓ |
| Create wire diagram |  |
| Code the app to operate the security | ✓ |
| Place devices inside the house |  |
| Wire the devices in the house |  |
| Complete the report |  |