Goals

- Eliminate need for finding the Pedestrian Call Button
- Inform the intersection where the user wish’s to cross
- Provide the user with the state of the hand and man signals
Goals

- Track user in the cross walk
  - Guide user through the cross walk
  - Extend walk time to ensure that the user reaches their destination
Technologies Selected

- Electronic compass
- GPS
- Radio modem communications
Previous Work

- Custom Hardware
- Magnetic Compass
- GPS Receiver
- IEEE 802.15.4 Radio modem communications
Future Work

- Nokia 6210 Navigator
  - Existing hardware
  - Magnetic Compass
  - GPS
  - Bluetooth
  - Java Runtime Environment (JRE)
Future Work

- JAVA API's
  - Non-vendor specific (portable)
  - Location API
    - GPS Position
    - Magnetic Compass Heading
  - Bluetooth API
Questions