Major Features

- Ability to send user controls and get car status through a RF Transceiver
- Ability to capture users input through a small joystick
- Ability to detect obstacles using a Proximity Sensors
- Servo Drive train
- Ability to indicate car status via LEDs
Planned Hardware

- Two MSP430 Launchpad
- Continuous Rotation Servos
- Multiple Proximity Sensors
- Analog Joystick
- LED driver to identify car status
MSP430 Features Used

- **Digital I/O**
  - To control the LED status indicators
  - To Control the Proximity Sensor

- **ADC**
  - 2 Channels used to read the Joystick Input

- **Timers**
  - Used to create consistent control messages
  - Used to determine if communication link has broken

- **UART**
  - To communicate over the RF Transceiver
  - Debug out through the USB port on the launchpad

- **External Interrupt**
  - Used to catch the Proximity Sensor input