Execute Command

**Software**

Send Command

Servo

Bump, tape, and cliff sensors

Send / receive commands to robot

**Roomba**

Configuration / initialization and send instructions to hardware modules.

Object Detection

Send results back to mission control

IR Sensor

WiFi Module

Ping sensor

Servo Sweep

**Mission Control**

Distance Measure

Retrieve Sequence

Move Robot

WiFi Setup

**Hardware**

UART

PWM

Open Interface

ADC

WiFi

Timer

Input Capture

ARM Processor