

Questions?

- Project
 - Demo this coming Thursday
 - Final report (including evaluation) due Wed 05/16/07
- Show and Tell
 - Last update before Thursday end of class

Sensing movement

- Optical (Binary)
 - Photo-resistor;
 - Motion detector (PIR)
 - Photo-transistor;
- Ultrasonic (Binary)
- Mechanical (Binary)
 - Foot switch;
 - Magnetic switch (reed);
- Optical (Position)
 - Range sensor (Sharp GP2D);
 - Rotary optical encoders;
 - 2D optical encoders (optical mouse);
- Ultrasonic (Position)
 - Range finder;
- Mechanical (Position)
 - Mechanical encoder;
 - Potentiometer;
- MEMS (Position)
 - Accelerometer;
 - Gyroscope;
 - Pressure;
- Compass module
- GPS module

Sensing touch

- Resistive sensor
 - Force sensitive resistors
 - Flex sensors
 - Touch screen
- Capacitive sensors
 - QTouch sensors
 - *From touch (QT110) to scrolling (QT411)*