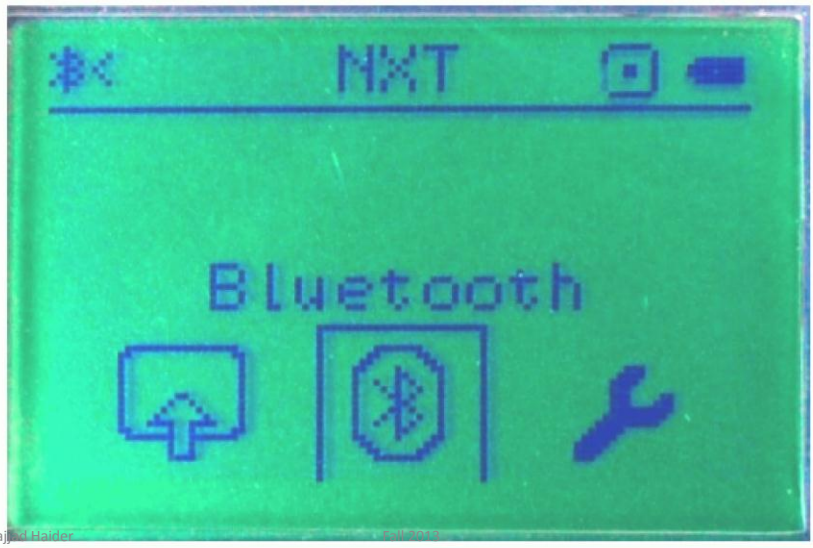
Introduction to Game Programming and Robotics

Unit # 5

Acknowledgement

- Most of the example/material presented in this presentation is taken from tutorials provided by Microsoft or from the book "Robot Development using Microsoft Robotics Developer Studio" by Kang, Chang, Gu and Chi.

Making Bluetooth Connection



Making Bluetooth Connection (Cont'd)

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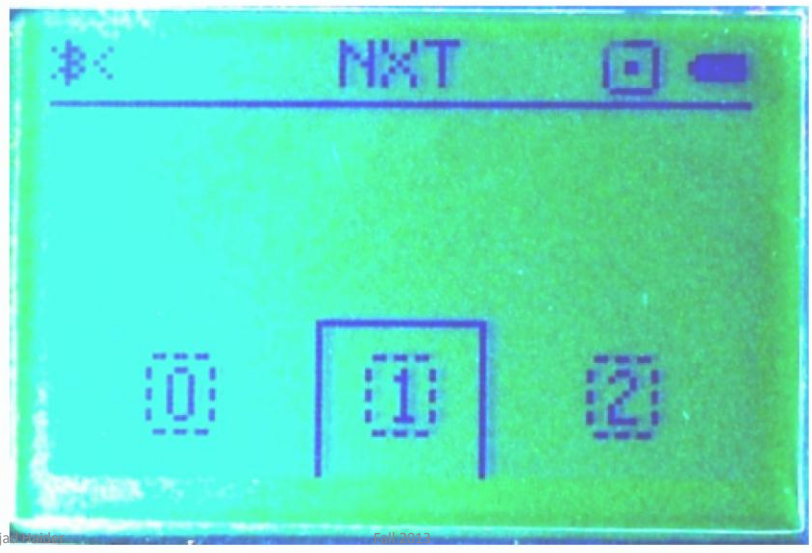
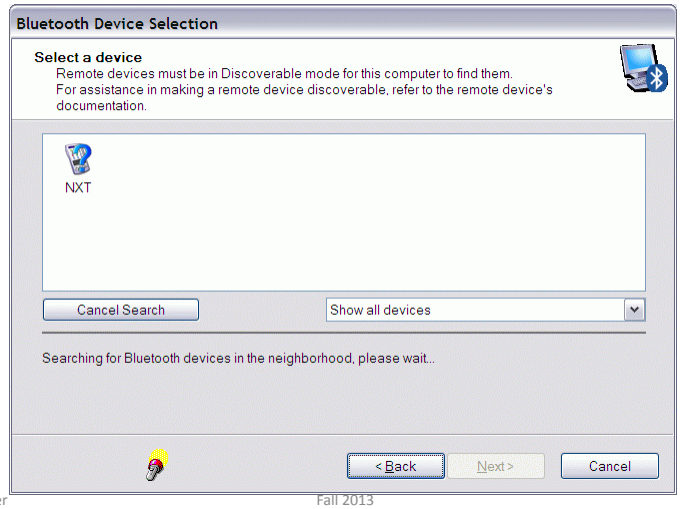


Making Bluetooth Connection (Cont'd)



Making Bluetooth Connection (Cont'd)

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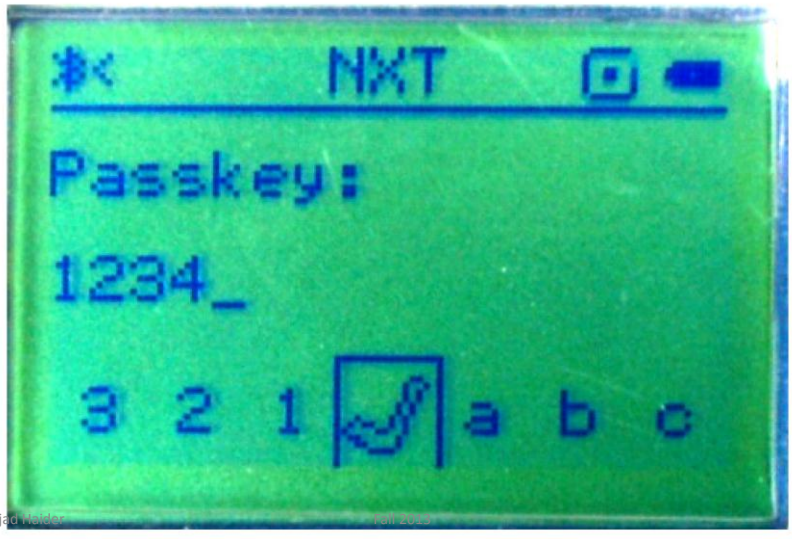
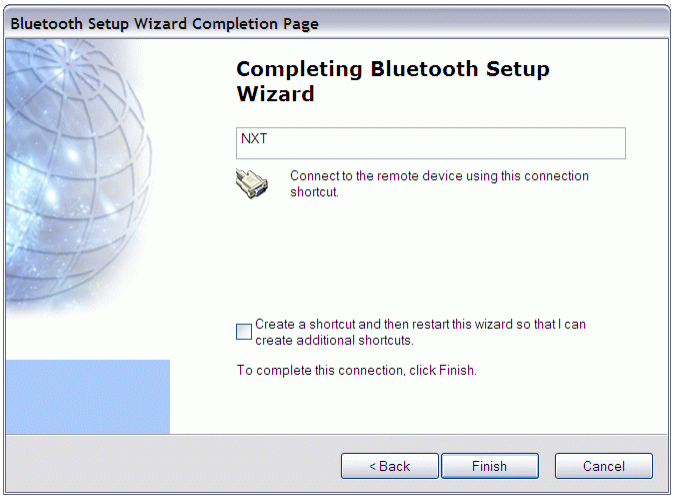
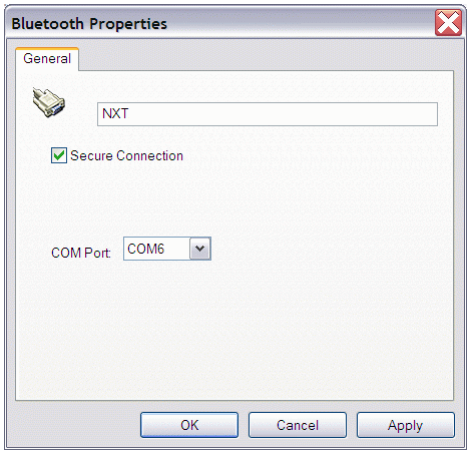


Making Bluetooth Connection (Cont'd)

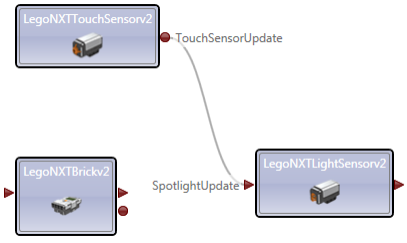


Making Bluetooth Connection (Cont'd)

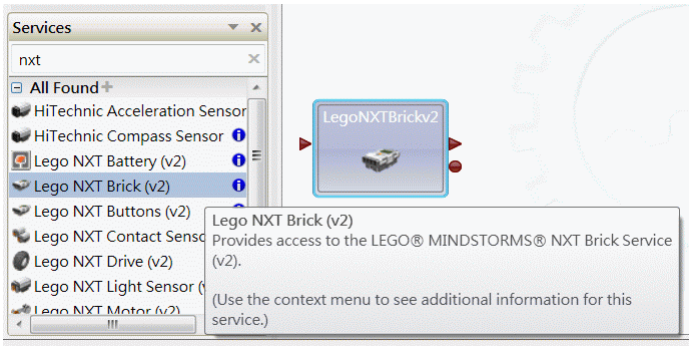


Program 1
(Touch and Light Sensors)

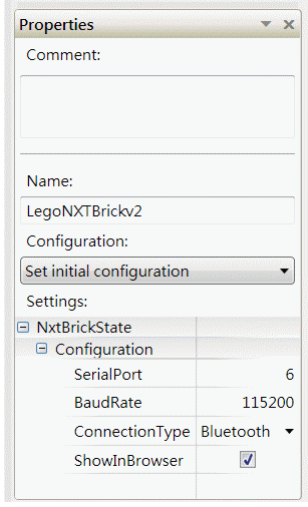
- (a) When you press the touch sensors, light should turn on.
- (b) Add the logic which acts like a flip-flop (on one touch, the light is one and on another, light is off).



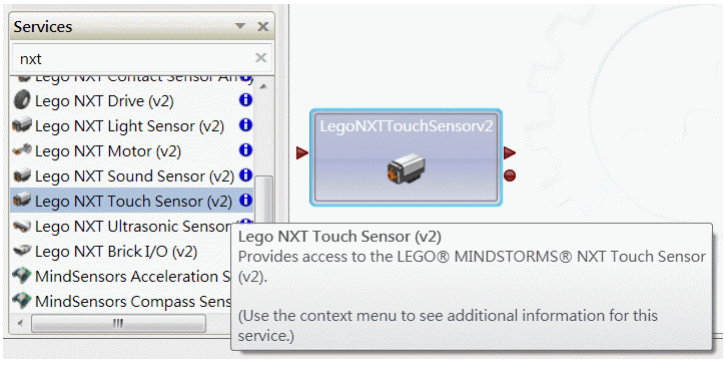
Dragging Lego Brick Interface



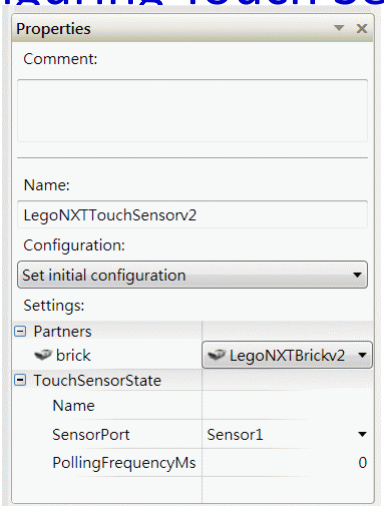
Configuring the Brick



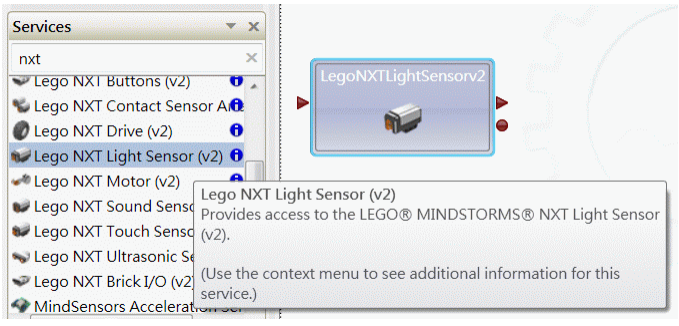
Touch Sensor



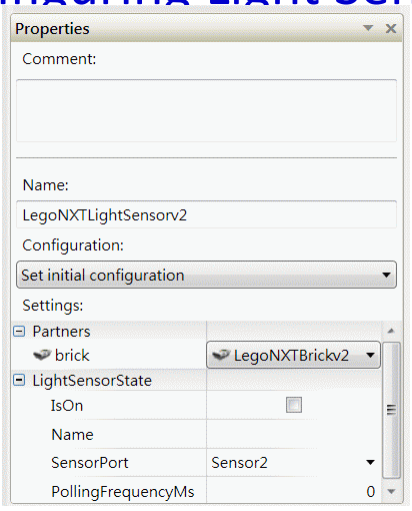
Configuring Touch Sensor



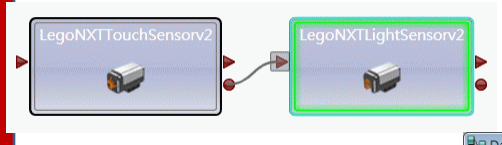
Light Sensor

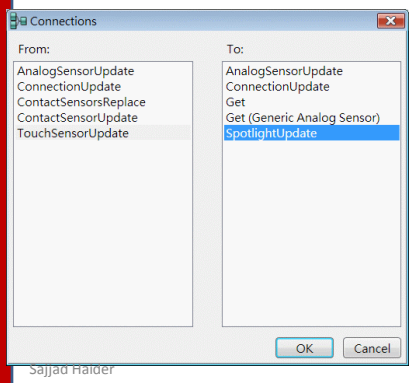


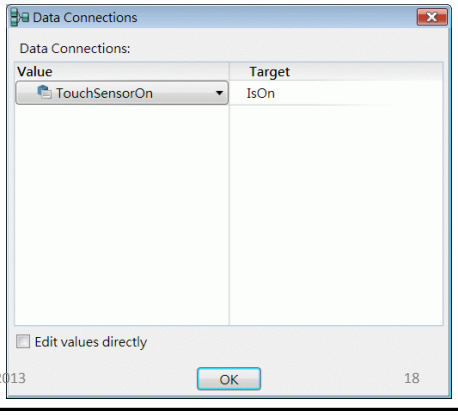
Configuring Light Sensor



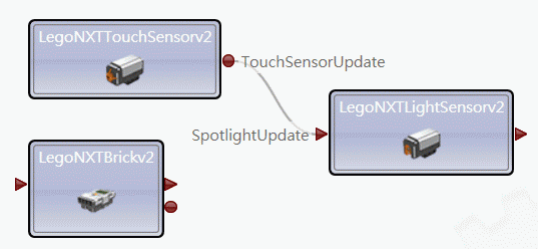
Connecting Touch and Light Sensors

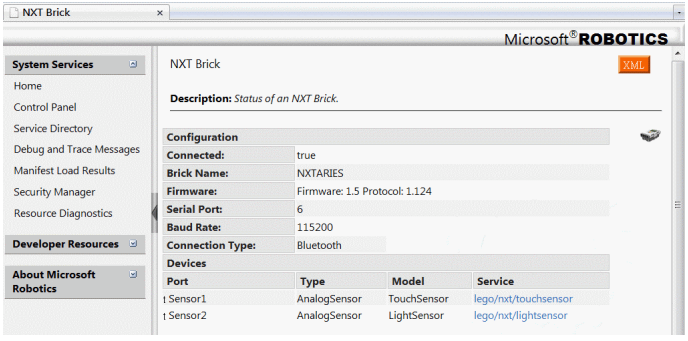






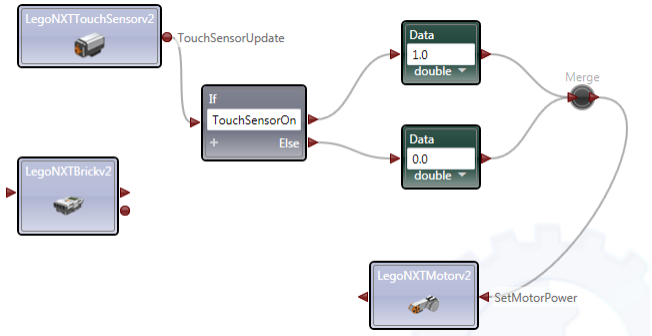
Final Program 1





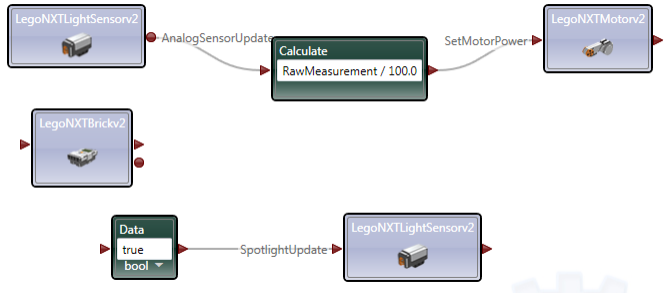
Program 2

- Move a motor when the sensor is touched.



Program 3

- Control a motor using light sensor



Program 4

- Control a motor using ultrasonic sensor.