

"Under-the-hood"



Kiosk Specs

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• Touch Screen Monitor

- no stylus, yes finger
- 3M 17" Monitor with build-in speakers
- microphone array on top

Small Computer (contained within kiosk)

• Slímpro 300, Pentíum 3, 1.4 GHz, 30 GB 2.5 dísk

Minimal Infrastructure

- WiFi card, bluetooth USB dongle
- Must be near wifi base station & power outlet

Hacker-Hardened

CSAIL

Línux, no console, rebootable at any tíme

Nothing Exposed except power cord

Computer behind monitor



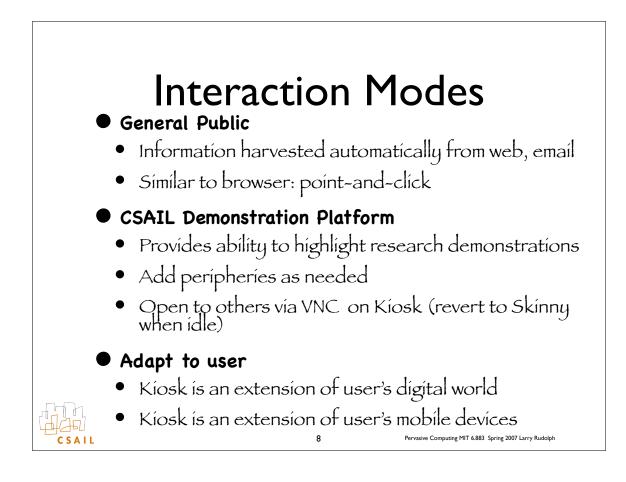
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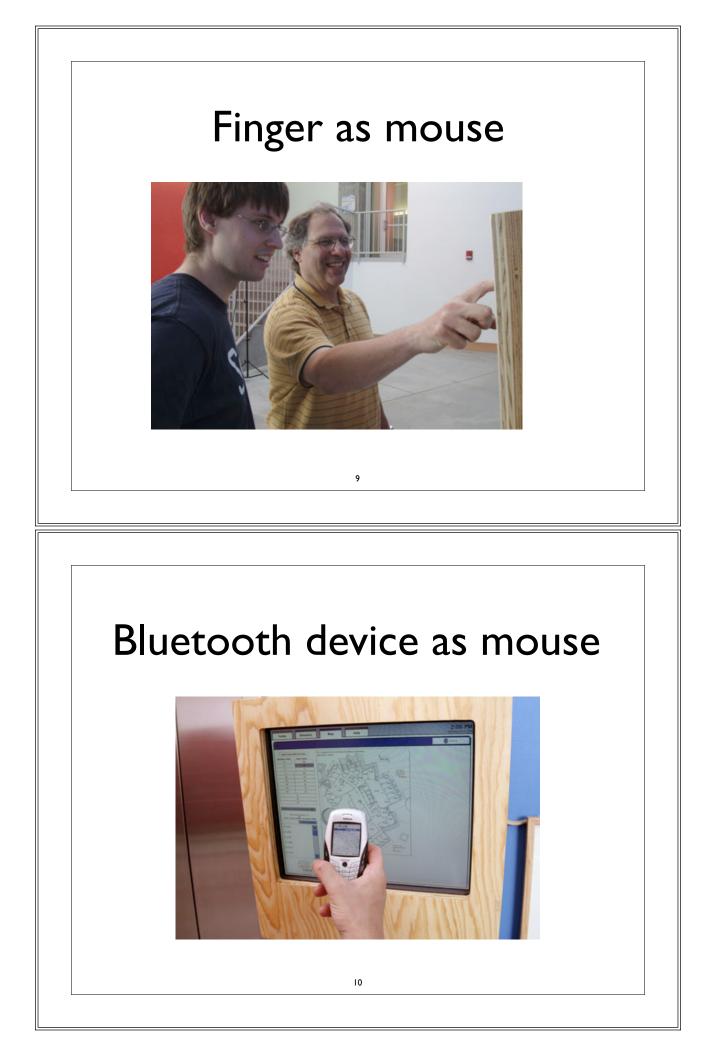
All fits except power cord

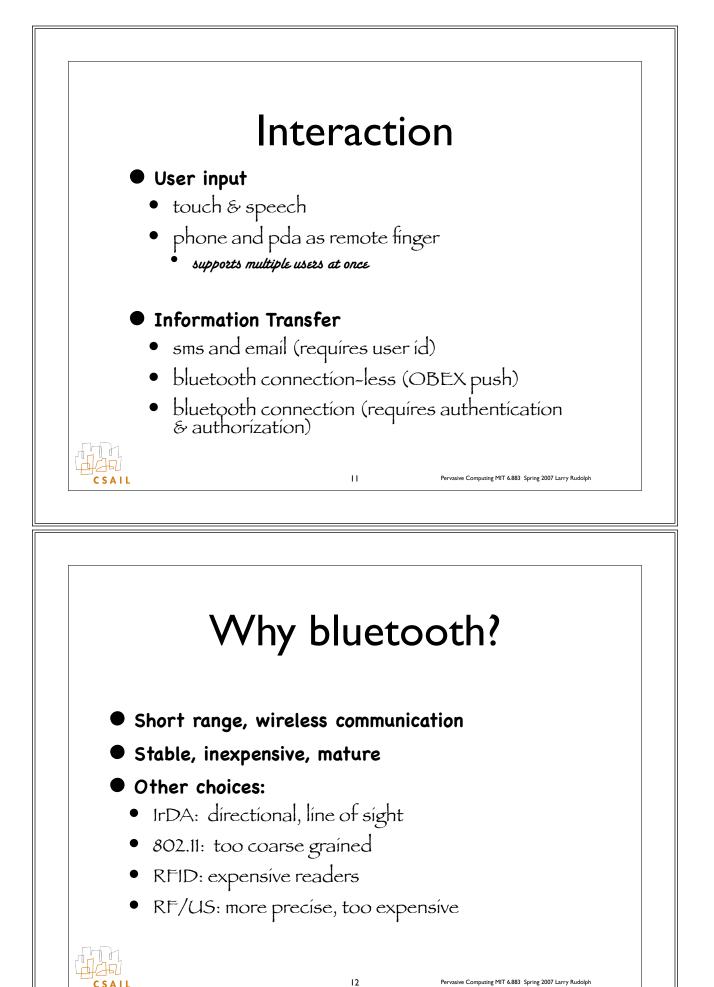


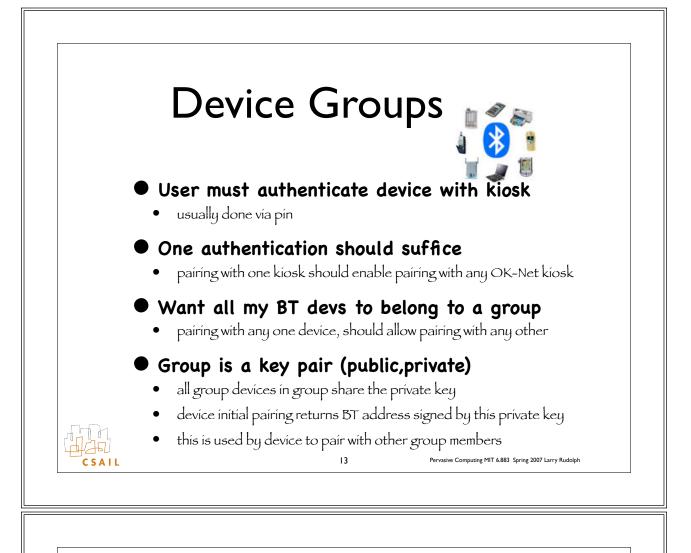
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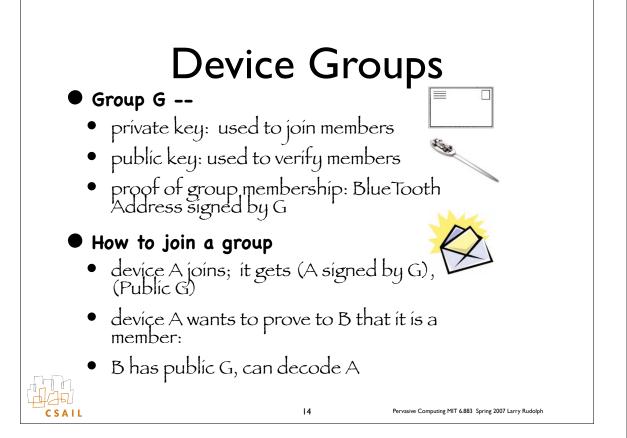


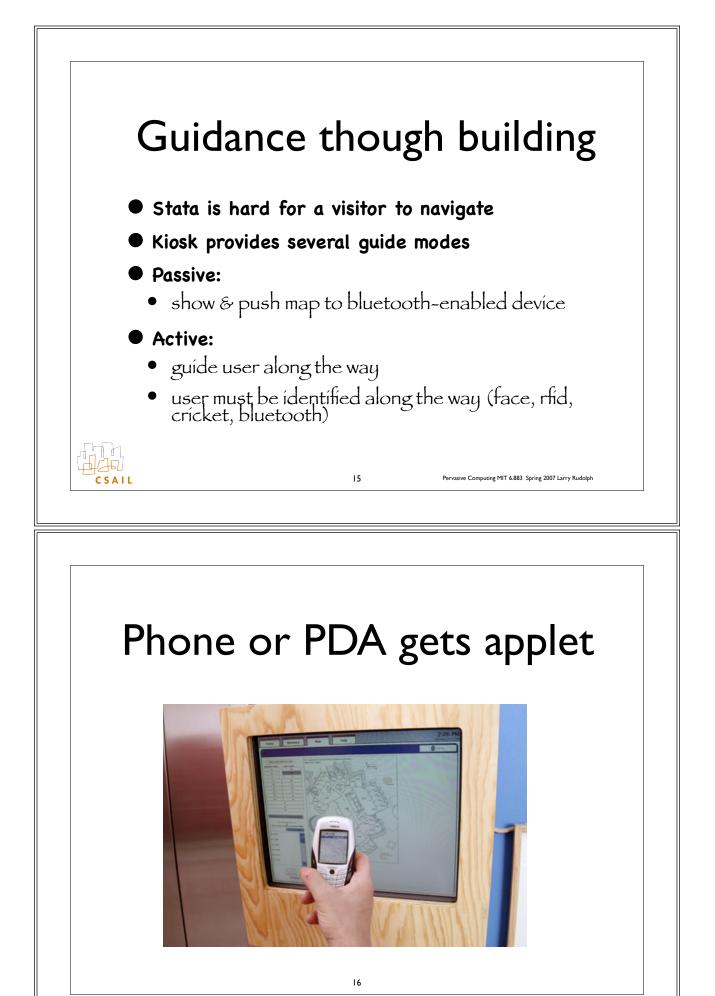


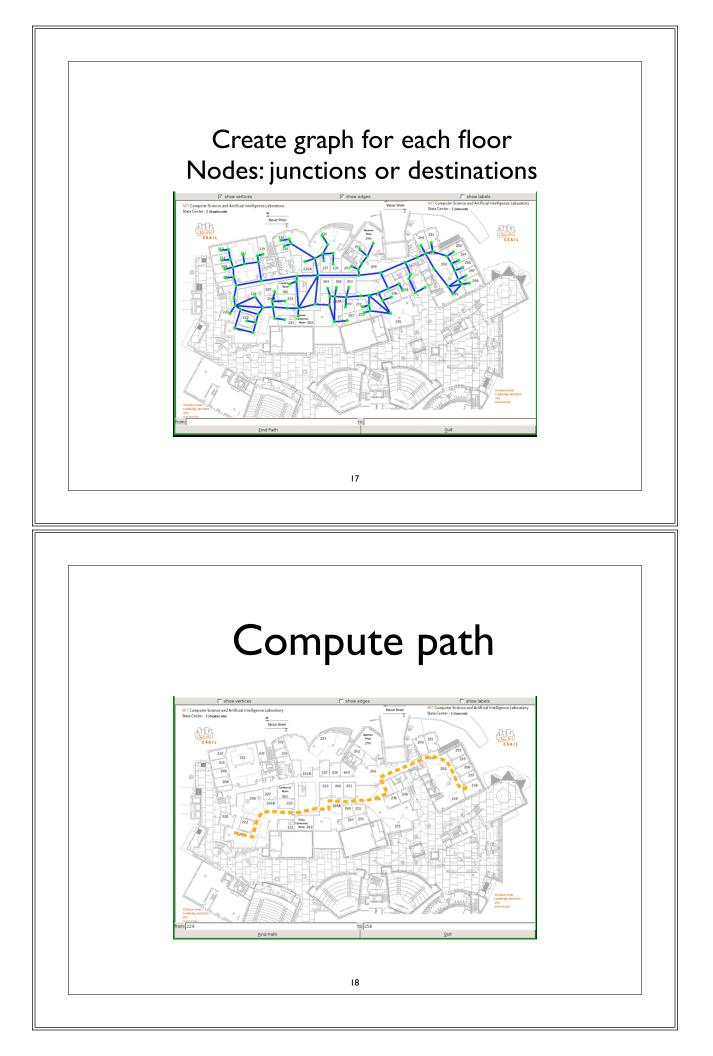














Trivial Deployment

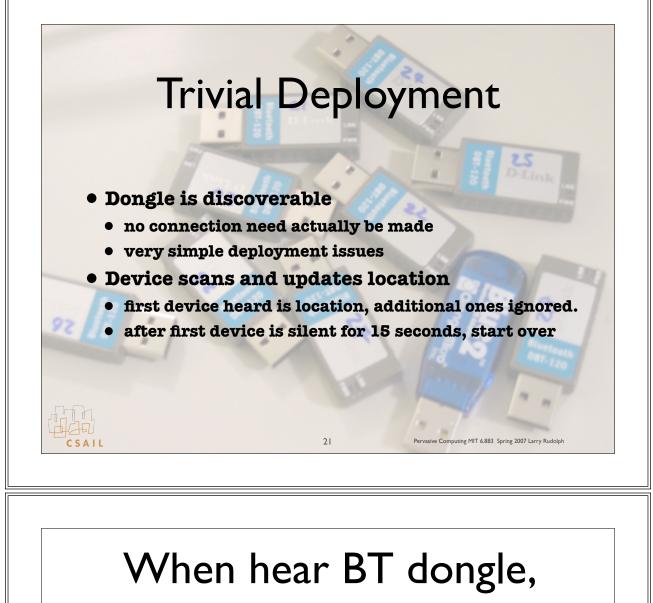
- Identified 30 neighborhoods in Stata Center
- Every neighborhood contains computers
 - does not matter if Windows, Linux, or Mac
- Place bluetooth in a machine/neighborhood
- Name according to location, eg. "OKN-G868"

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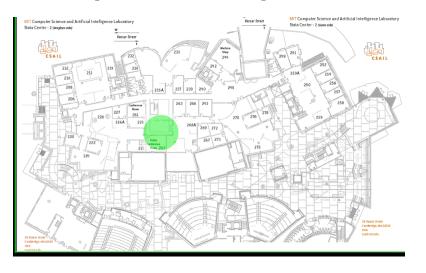
Pervasive Computing MIT 6.883 Spring 2007 Larry Rudolpl

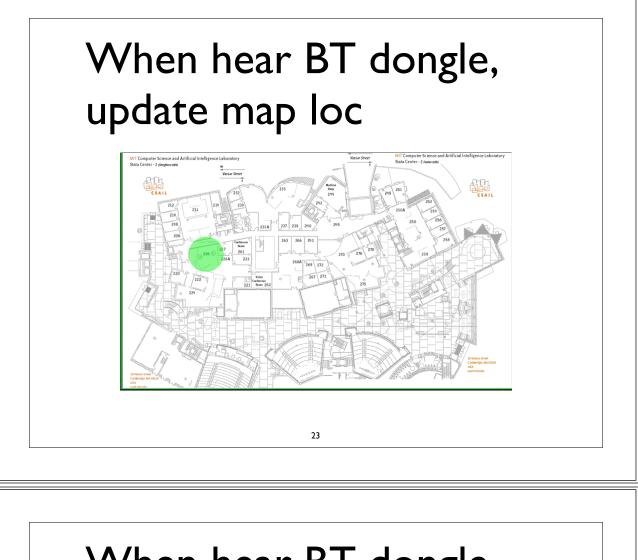
• Database learns name for each BT#

Devices discover new BT#'s and update DB

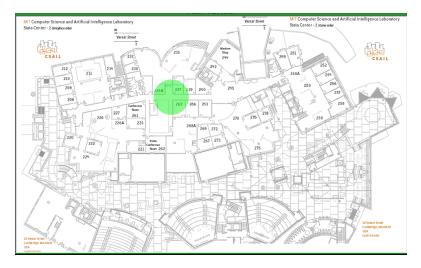


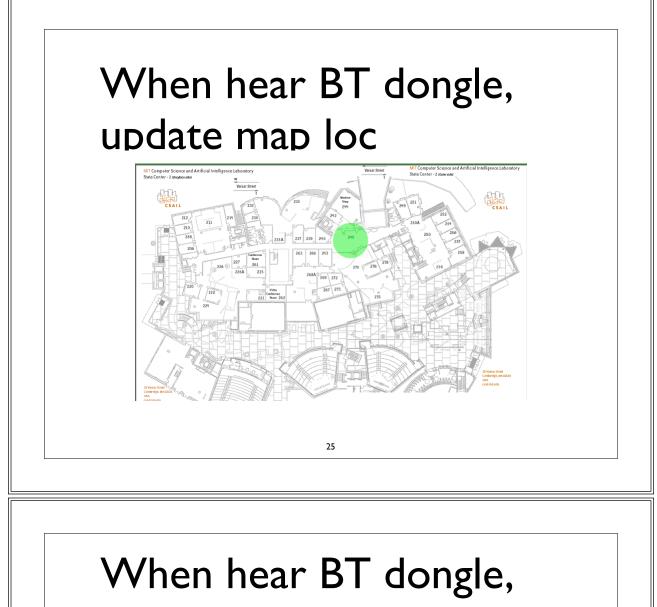






When hear BT dongle, update map loc





update map loc

