CMSC 838G
New Devices for New Interactions

François Guimbretière
CSI 2107 Tue-Thu 3:30-4:45
Questions?

- Project
  - Pick a project by 2/12!
Today

- Overview of the field
- Idea about possible projects
Overview of the field

• Buxton point of view
Through the looking glass

• Software/Hardware dilemma
  – Software malleable
  – Hardware tangible

• Complexity/Specificity dilemma
  – Software general
  – Hardware specific?

• Task specific constrains
  – Best case
  – Worst case
Projects categories

• Technology track
  – Building new tracking technology
  – Augmenting current system
  – Creating new interactions

• Users track
  – Improve users experience
  – Improve users access
    • Universal access

• Experimental track
  – Evaluate a given technique for a given task
**Possible project resources**

- Create multi-disciplinary teams

- Access to user population:
  - Kids: KidTeam
  - Older users: Beltsville community computer resource center

- Access to hardware
  - 3D printer
  - Large format DiamondTouch
  - Phidgets hardware (see the Links web page)
Finding a possible project topics

• Identify 10 devices which could be improved
  – How did you identify the problem?
  – How do you think it should be fixed?

• Bring your list for next class
Reading for Next class

• Handouts