Ubiquitous/Pervasive Computing

John Stasko Spring 2007

This material has been developed by Georgia Tech HCI faculty, and continues to evolve. Contributors include Gregory Abowd, Al Badre, Jim Foley, Elizabeth Mynatt, Jeff Pierce, Colin Potts, Chris Shaw, John Stasko, and Bruce Walker. Permission is granted to use with acknowledgement for non-profit purposes. Last revision: January 2007.

Agenda

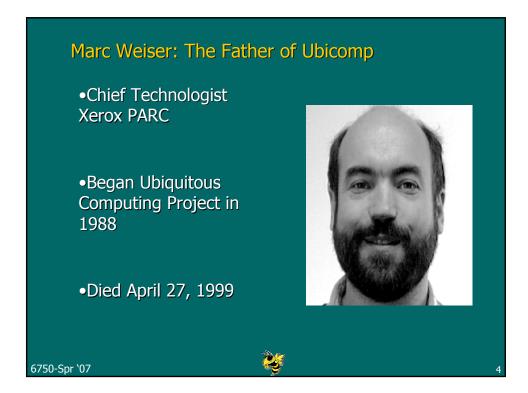
- Area overview
- Four themes
- Challenges/issues

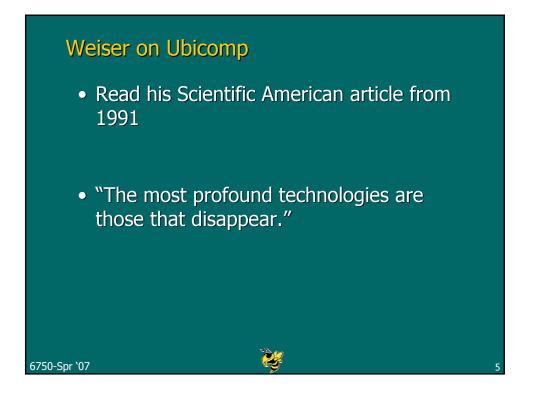
Pervasive/Ubiquitous Computing

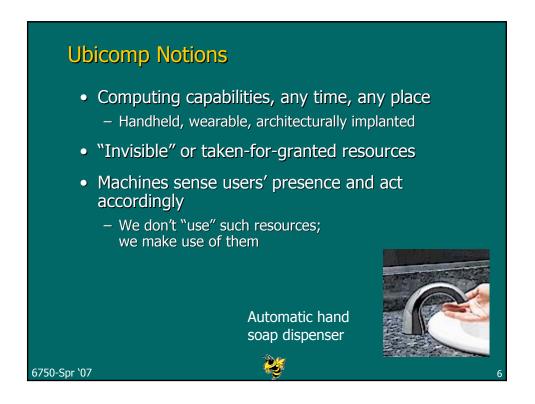
- Move beyond desktop machine
- Computing is embedded everywhere in the environment

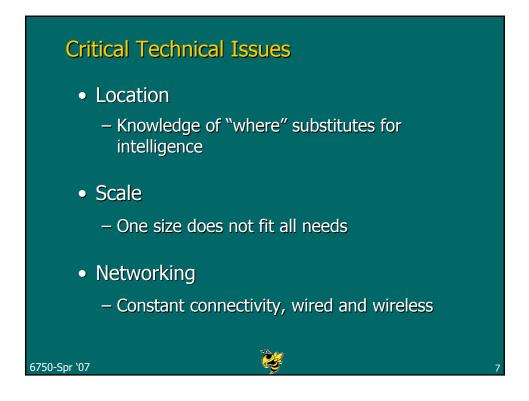


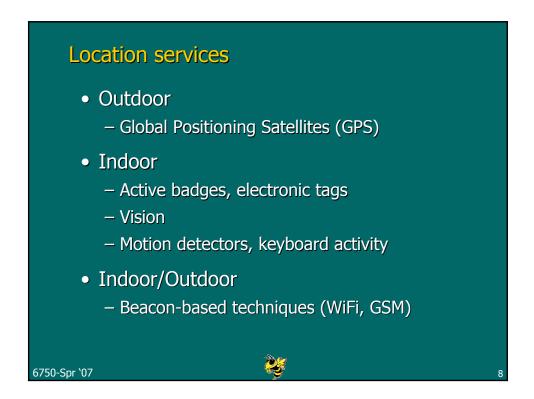
http://www.dreamlg.com/en/ref/internet/introduction_tv.shtml 6750-Spr '07

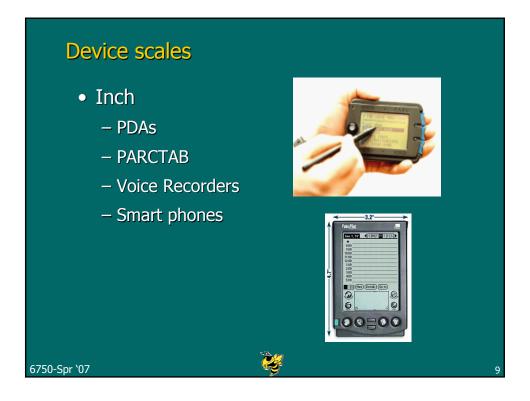


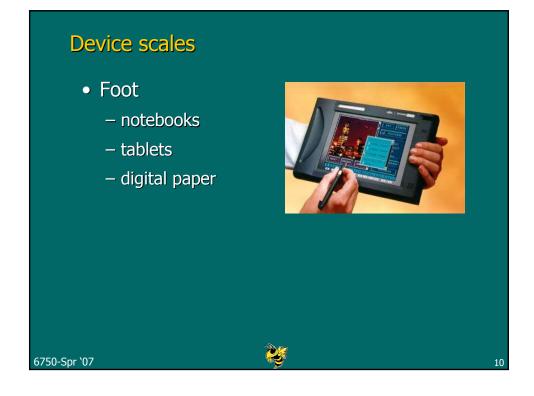


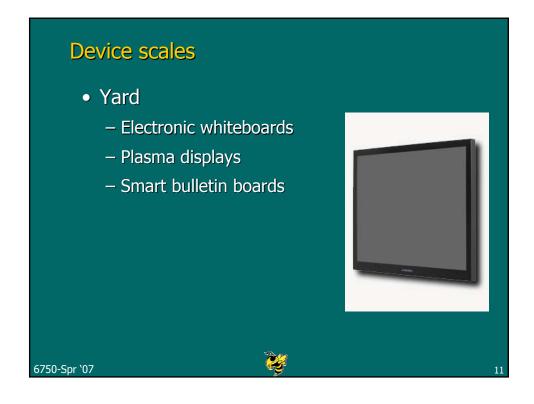


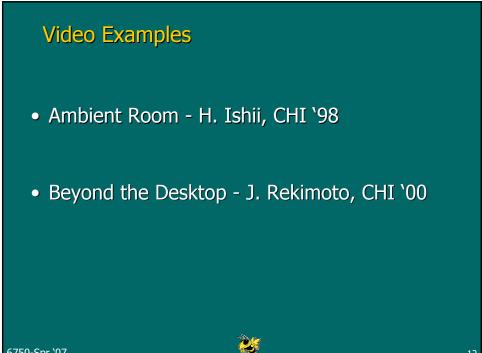


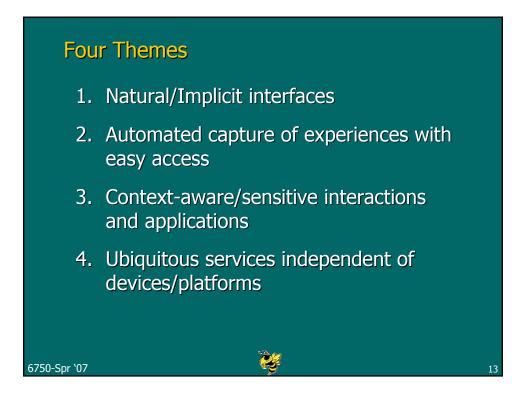


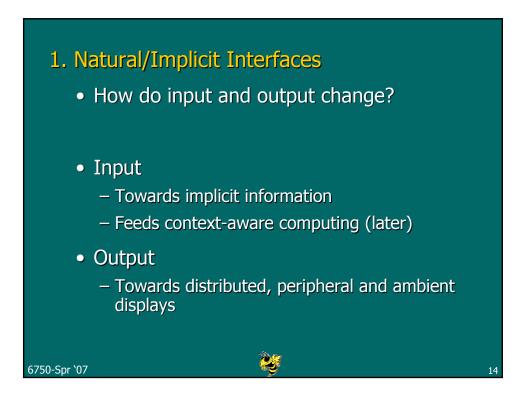


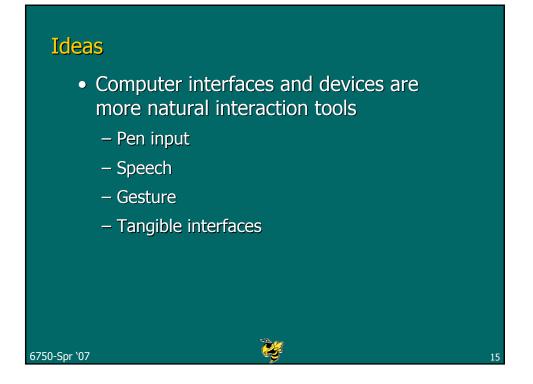


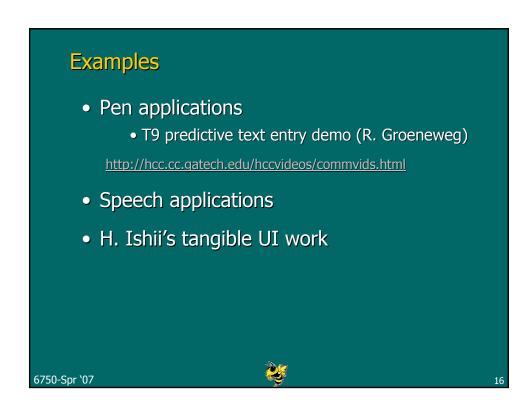












Wearable Computing

- Computation devices accompany you, rather than you seeking them out
- T. Starner

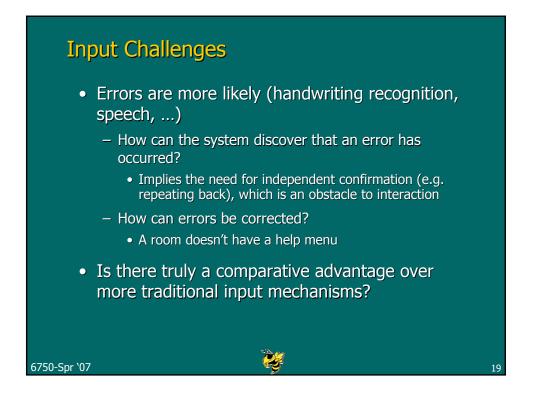


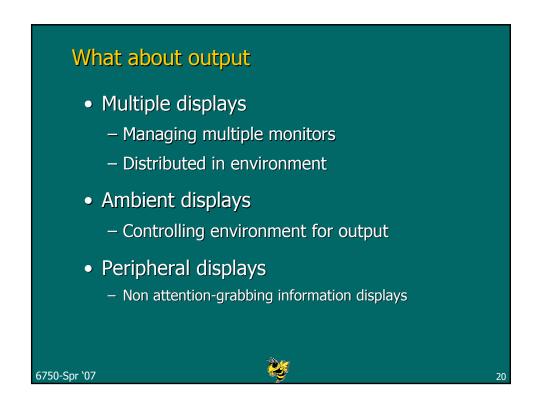
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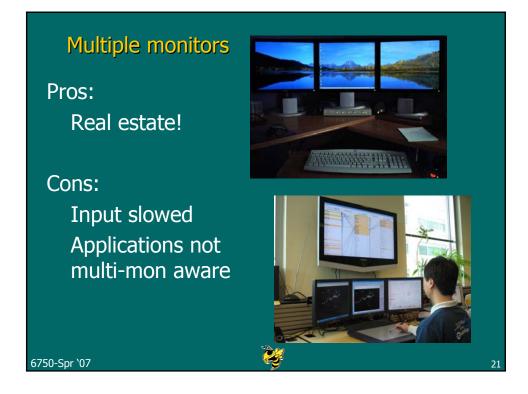
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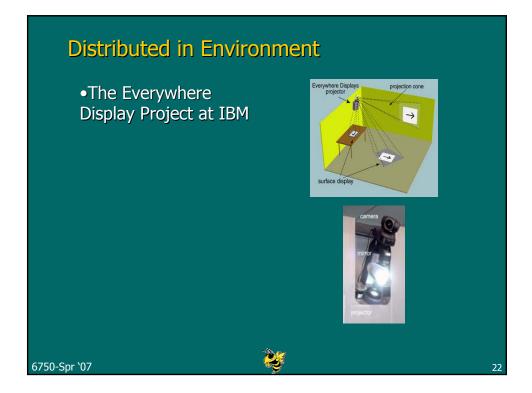


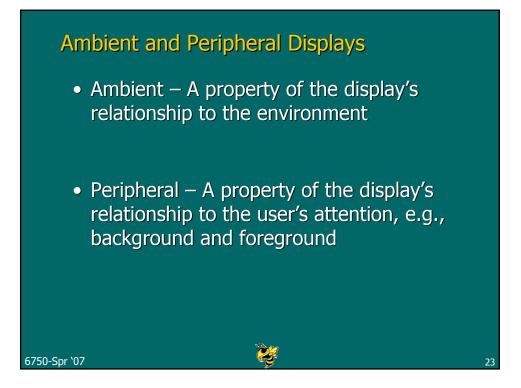
Q2s

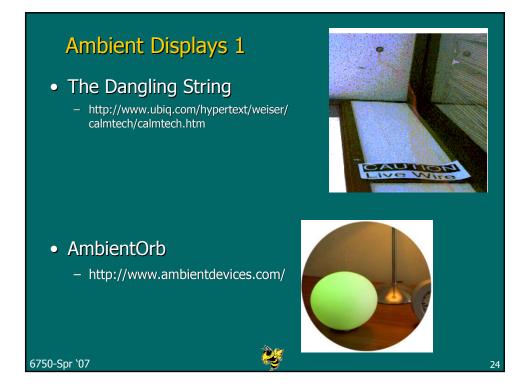


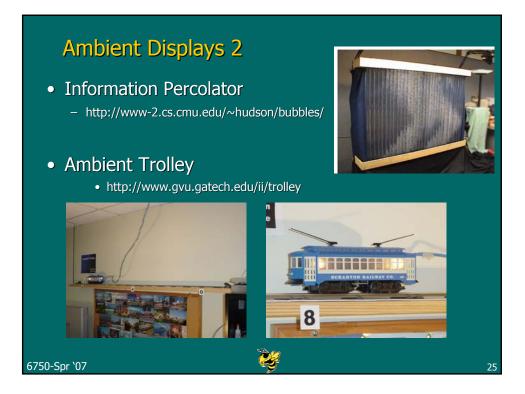




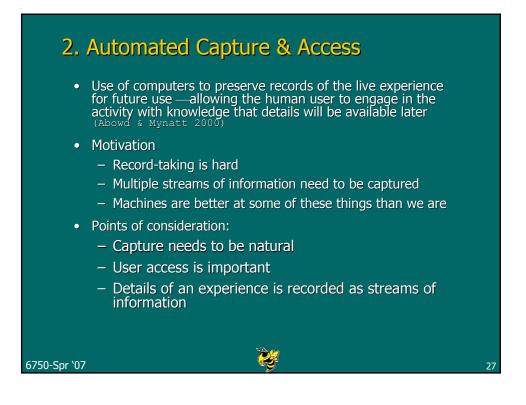


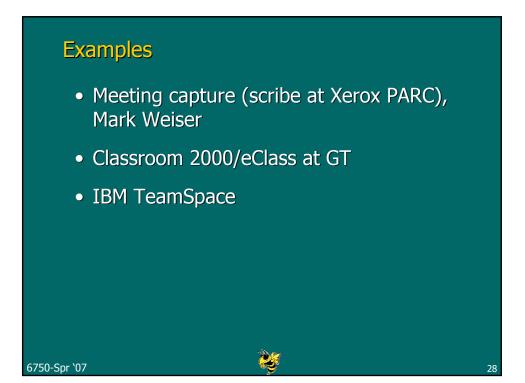




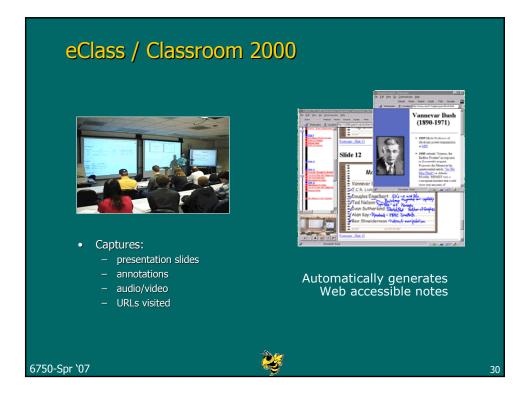


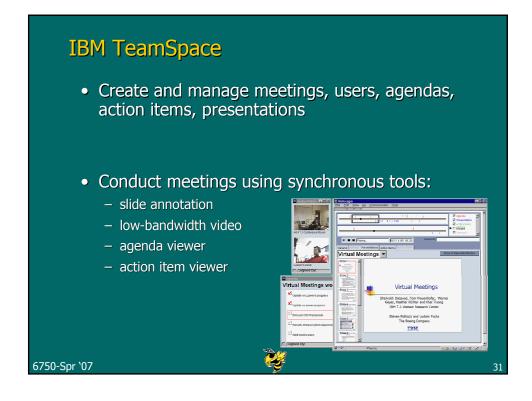


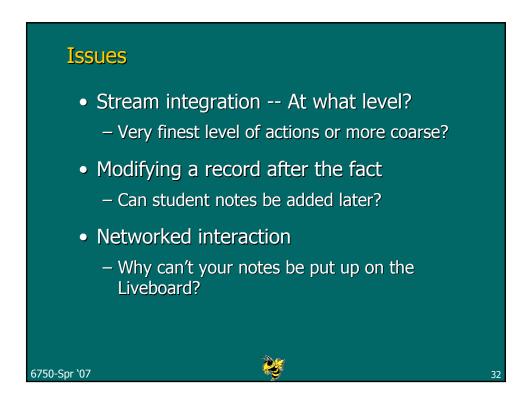


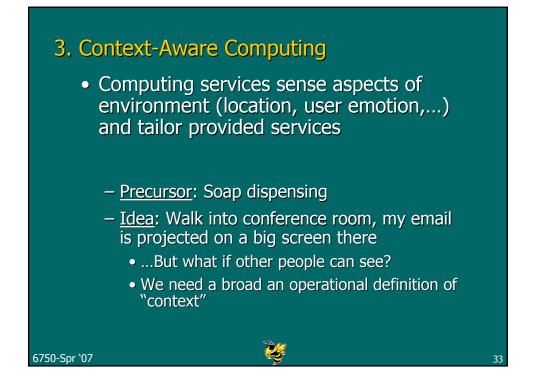


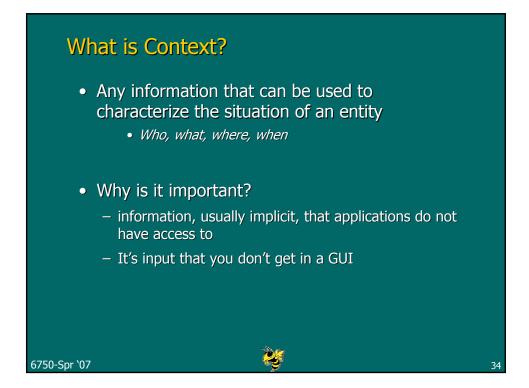


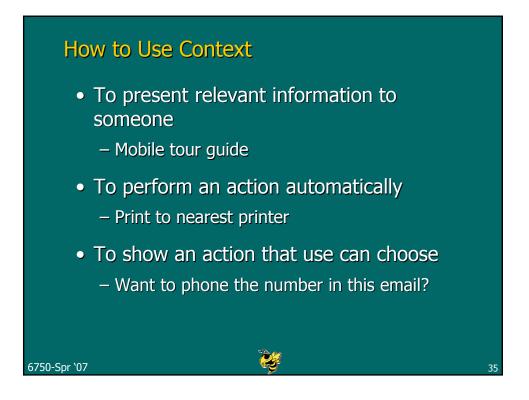


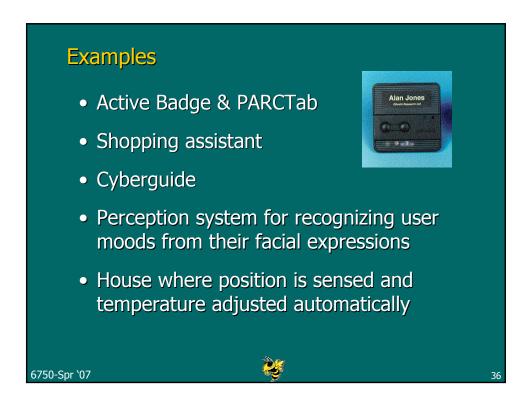


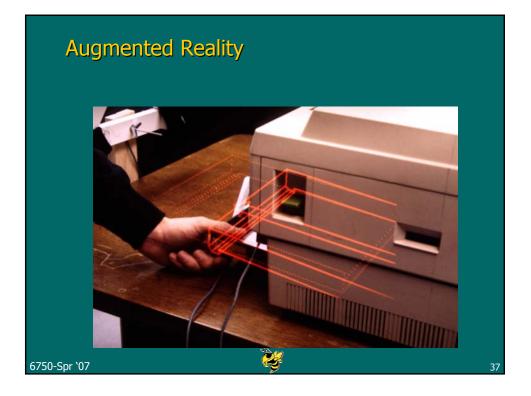








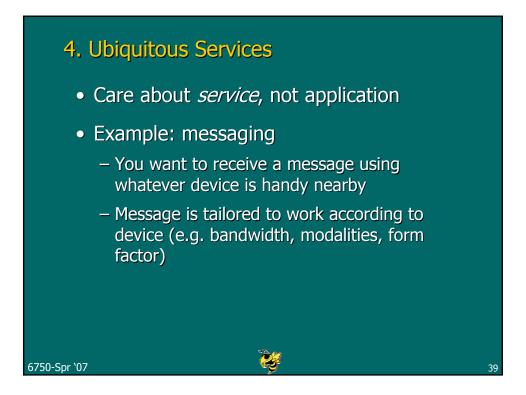


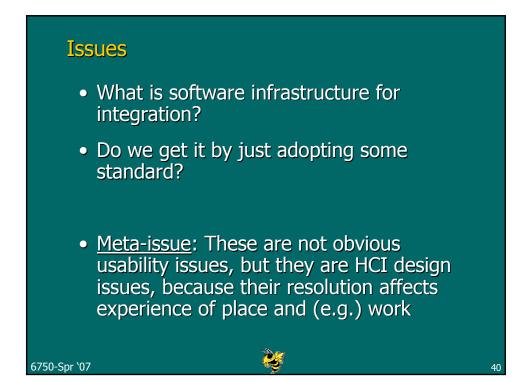


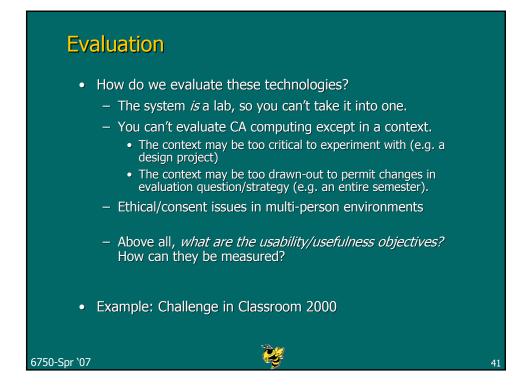
Issues

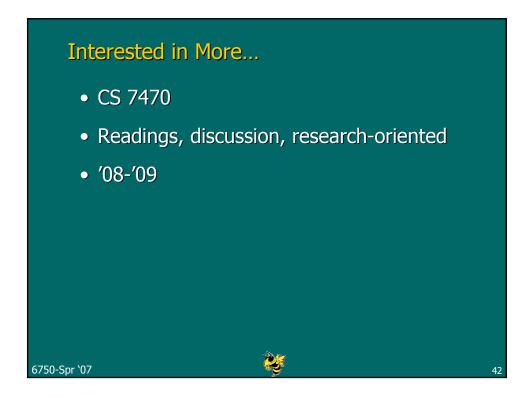
- Registration, registration, registration
- How to integrate all the different aspects of context?
 - The people
 - The place
 - The situation
 - Activities going on and their status
 - Mood and emotion??
- What about the loss of privacy?

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- Presentation order (TuTh)
- What to put in presentation
 - 15 minutes
 - Make sure your presentation mode works
 - Content suggestion
 - Brief intro to problem (2 mins)
 - What's important about users, task, etc. (2 mins)

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- Present design and system (6 mins)
- Overview of evaluation findings (5 mins)
- P4 reports due Friday 27th 4pm

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