

CS 147: HCI+D – UI Design, Prototyping, and Evaluation, Autumn 2014 Prof. James A. Landay Stanford University













Stanford University

Outline

- Review Design Exploration
- Review Teams vs. Groups
- Types of Prototypes
- Video Brainstorming
- Video Prototyping
- Concept Videos

Review Design Exploration

- Selecting tasks?
 - real tasks with reasonable functionality coverage
 - complete, specific tasks of what customer wants
- Sketching allows exploration of many concepts in the very early stages of design
- As investment goes up, need to use more and more formal criteria for evaluation
- Informal prototyping tools bridge the gap between paper & high-fi tools

- Teams & good performance are inseparable
 - a team is more than the sum of its parts
- Groups
- Teams
- strong leader
- shared leadership
- individual accountability
 individual & mutual accountability
- organizational purpose
- specific team purpose
- individual work products
 collective work products
 - open-ended meetings
- efficient meetings
- measures performance by measures performance from work products
- delegates work
- does real work together

- Common commitment
 - requires a purpose in which team members believe
 - "prove that all children can learn", "revolutionizing how we use
- Specific performance goals
 - comes directly from the common purpose
 - "increasing the scores of graduates form 40% to 95%"
 - helps maintain focus start w/ something achievable
- A right mix of skills
 - technical/functional expertise (programming/design/writing)
 - problem-solving & decision-making skills
 - interpersonal skills
- Agreement
 - who will do particular jobs, when to meet & work, schedules

- · Keep meeting & get used to each other
- Figure out strengths of team members
- Assign each person a role
 - responsible for seeing work is organized & done
 - not responsible for doing it themselves
- Names/roles listed on CI/TA assignment

Roles

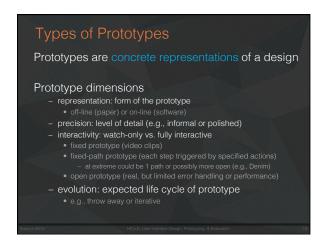
- team manager (coordinate - big picture)
- design (visual/interaction)
- user testing
- documentation (writing) - development

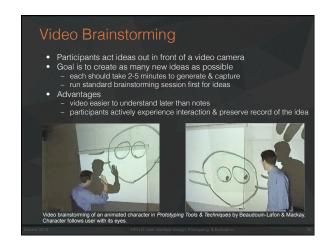
Prototypes are concrete representations of a design

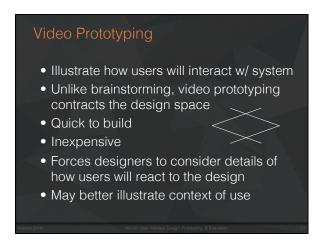
Prototype dimensions

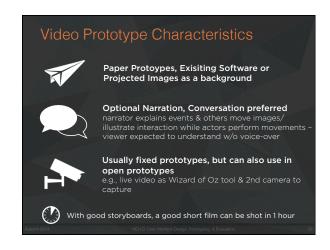
- representation: form of the prototype
- precision: level of detail (e.g., informal or polished)



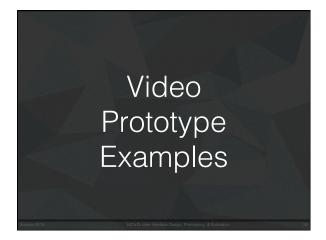










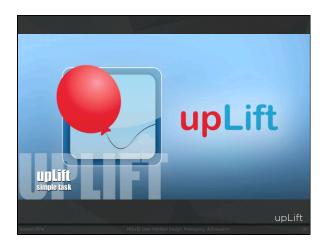


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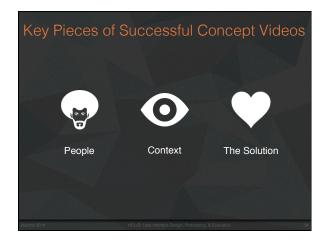


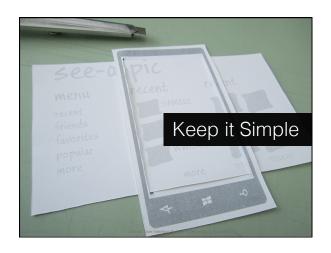
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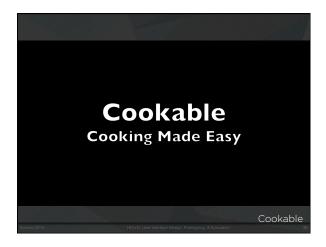






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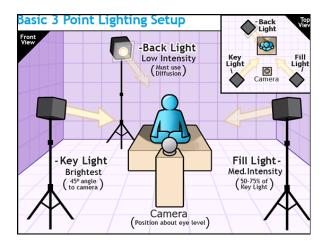








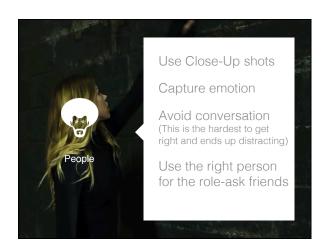




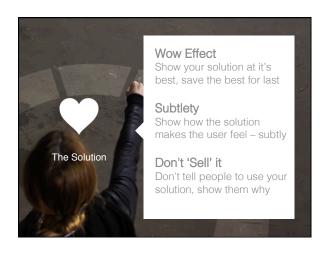






















Concept Video Assignment Due next week at start of studio 1) UI Design UI Storyboards of 3 different UI ideas can be further details on ones from CA/TA UI Storyboards of 3 tasks for the best UI idea show scenarios for 3 tasks – i.e., storyboard how to carry out each task using your best UI 2) Concept Video Video Storyboards video storyboard 3 different scenes (corresponding to your 3 tasks above) – shots, characters, etc. Video shoot, edit, & upload

