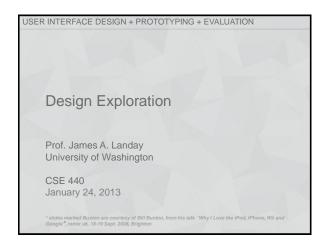
HCI: User Interface Design, Prototyping, Evaluation, Winter 2013 Prof. James A. Landay

University of Washington









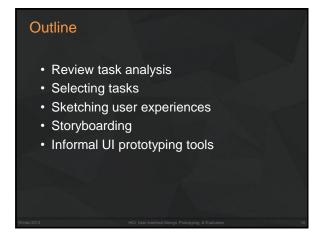


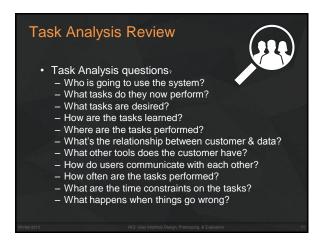


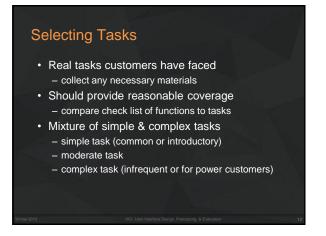


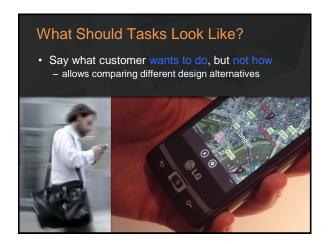










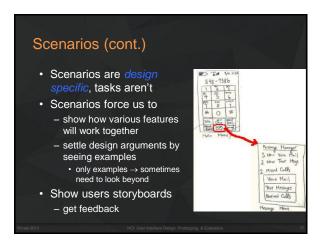


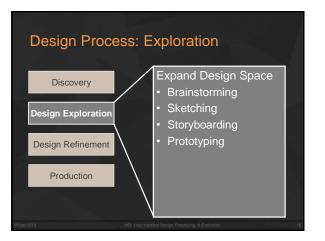
## What Should Tasks Look Like? • Say what customer wants to do, but not how

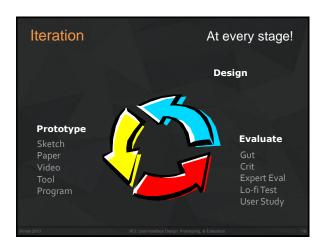
- allows comparing different design alternatives
- Be very specific stories based on facts!
  - say who customers are (use personas or profiles)
    - · design can really differ depending on who
    - name names (allows getting more info later)
    - characteristics of customers (job, expertise, etc.)
  - forces us to fill out description w/ relevant details
    - example: file browser story
- Some should describe a complete job
  - forces us to consider how features work together
    - example: phone-in bank functions

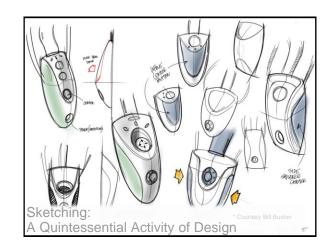
## Using Tasks in Design • Write up a description of tasks – formally or informally – run by customers and rest of the design team – get more information where needed Manny is in the city at a club and would like to call his girlfriend, Sherry, to see when she will be arriving a the club. She called from a friends house while he was on the subway, so he couldn't answer the phone. He would like to check his missed calls and find the number so that he can call her back.

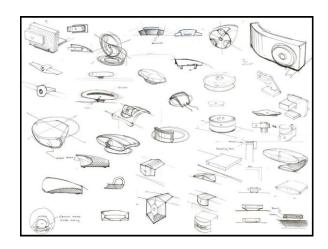
## Using Tasks in Design (cont.) • Rough out an interface design – discard features that don't support your tasks • or add a real task that exercises that feature – major screens & functions (not too detailed) – hand sketched – at least 30 sketches on the current assignment! • Produce scenarios for each task – what customer has to do & what they would see – step-by-step performance of task – illustrate using storyboards • sequences of sketches showing screens & transitions

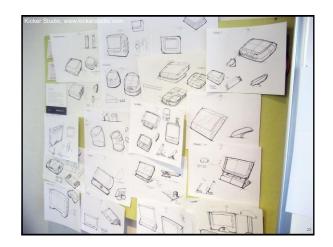




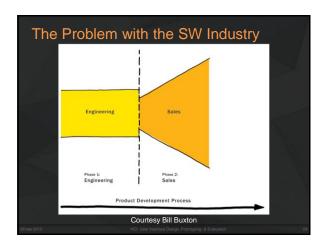


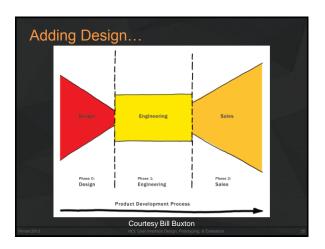


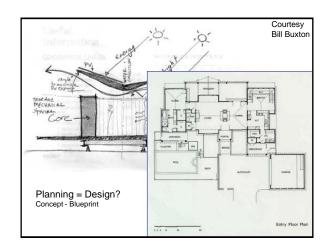


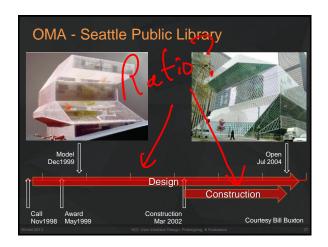


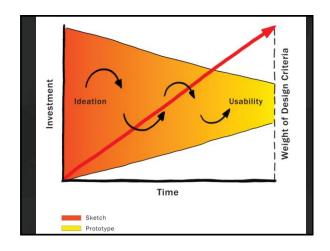


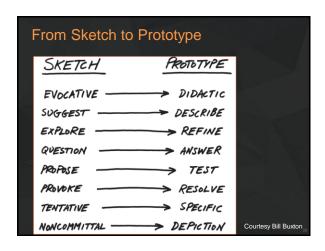






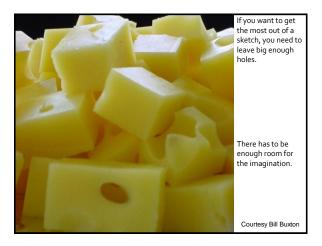


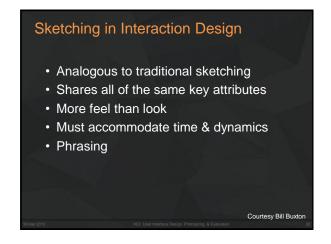


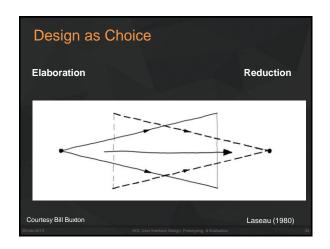


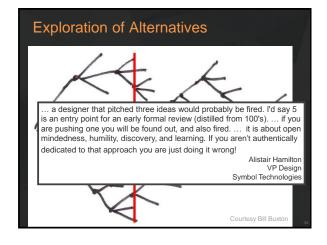
## The Anatomy of Sketching Quick / Timely Inexpensive / Disposable Plentiful Clear vocabulary. You know that it is a sketch (lines extend through endpoints, ...) No higher resolution than required to communicate the intended purpose/concept Resolution doesn't suggest a degree of refinement of concept that exceeds actual state Ambiguous

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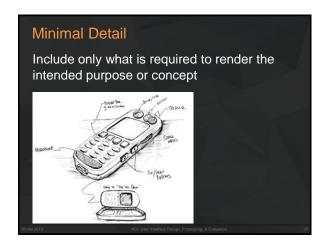


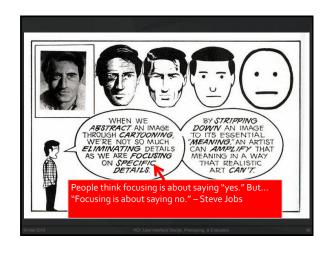


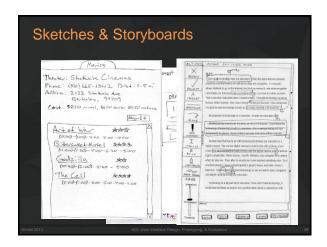




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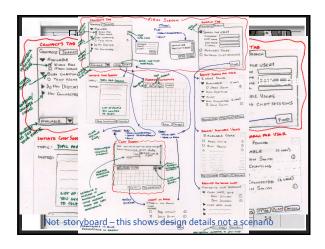


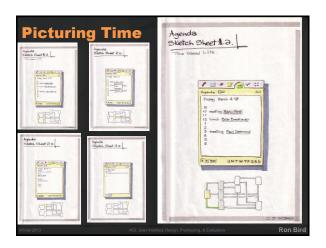


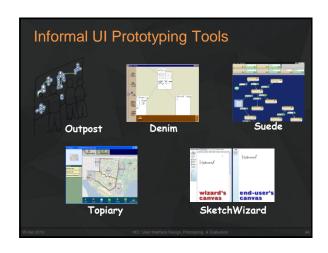


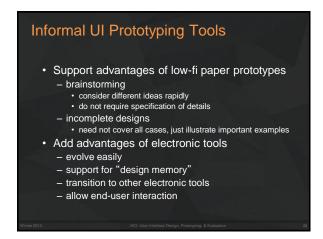


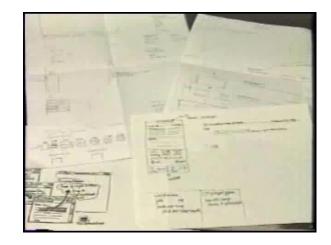


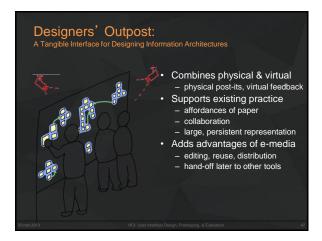








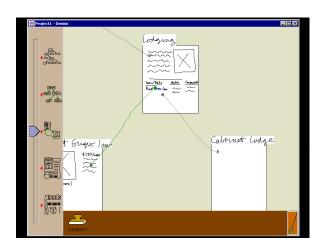






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Summary · Selecting tasks? - real tasks with reasonable functionality coverage - complete, specific tasks of what customer wants to do · Sketching allows exploration of many concepts in the very early stages of design · As investment goes up, need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

