PUI – Prototyping Lab

Fall 2013
Human Computer Interaction Institute
Carnegie Mellon University
Instructor: Iris Howley
Agenda

• A Note on HW4
  – You all have myBalsamiq invites by now?
• Prototyping software
• Mixed rapid prototyping OR working on HW4
A Note on HW4

• Fun and creative!
• Showcase skills you learned/practiced during the semester.
  – Be sure you’re getting something out of this!
  – E-mail me if not.

IMPRESS US!
A Note on HW4

• Evaluation
  – Creativity
  – Usability
    • Supports routine performance
    • Supports non-routine performance
    • Reduces or prevents human error
    • Prevents or recovers from system error
    • Pleasant to use
A Note on HW4

- Creativity
  - http://vimeo.com/25380454#
  - http://everythingisaremix.info/
Prototyping Tools

• Paper Prototyping
• Powerpoint or POP
  – (paper prototyping++)
• Omnigraffle
  – (wireframes)
• Balsamiq or Invision
• High Fidelity Prototyping Software...
  – FlashBuilder, HTML/CSS/JS, Framer, Quartz Composer, Axure RP
Prototyping Tools

• FlashBuilder
  – Pros: Built-in UI components, Supports scripting, Works cross-platform
  – Cons: Not open-source, ActionScript leaves a little bit to be desired, Not used in industry (skills not directly transferable), costs money, Limited options for help (can’t ask friends)
Prototyping Tools

• Straight-up HTML/CSS/JS
  – Pros: Widely used in industry, Open-source, Cross-platform, Supports scripting/behavior, Lots of good libraries/frameworks, Free, Lots of resources online and in person
  – Cons: High overhead if not exposed before (a lot to learn), Strange cross-browser things, Not much scaffolding, Can hang self easily
Prototyping Tools

• Framer
  – Pros: Used in industry, Open-source, Free, Interface can be design in PS, Scaffolding (only requires you to specify behavior)
  – Cons: Requires Photoshop, Relatively new, Widgets only available through writing HTML yourself, Not great for very logic intensive applications
Prototyping Tools

• Quartz Composer
  – Pros: Used in industry, Free, GUI-based
  – Cons: Mac only, High learning curve, Few resources, Widgets not available (?)

• Axure RP
  – Pros: Drag n Drop interface builder, No coding necessary, UI Widgets available, Cross-platform, Functionality through JS, Produces HTML pages
  – Cons: Not free ($289 for standard), Not widely used on campus (industry??)
A CHOICE!

Mixed Rapid Prototyping Exercise

OR

Work on HW4?
Questions?

YOU CHOSE ‘WORK ON HW4’