

PUI – Prototyping Lab

Fall 2013

Human Computer Interaction Institute

Carnegie Mellon University

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PROTOTYPING SOFTWARE!



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/>

EVERYTHING IS A REMIX



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

THANKS QUINTIN!

- 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

THANKS QUINTIN!

- 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

THANKS QUINTIN!

- 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

THANKS QUINTIN!

- 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'

