CS 179

Design of Usable Interactive Systems

& Useful!

Krzysztof Gajos

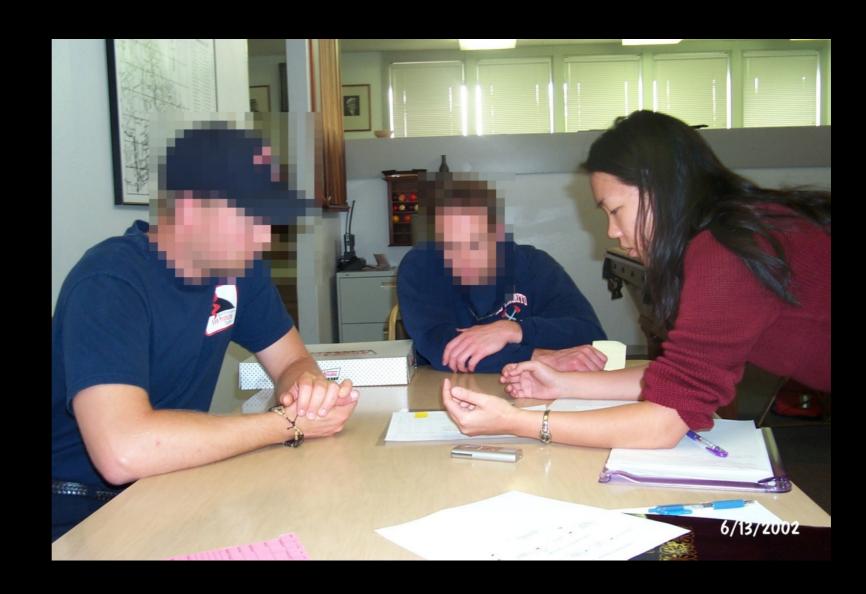
What you will learn in CS 179

- Discover and understand people's latent needs
- Invent and construct prototypes
- Design for people different than yourself
- Evaluate and refine your solutions
- Build mobile web applications
- Teamwork

What Will You Do?

Observe







Fail Fast to Succeed Sooner

Amen's to guide to guide story townsding!
Story townsding!

storyboarding is to understand how your product fits in w/the world.

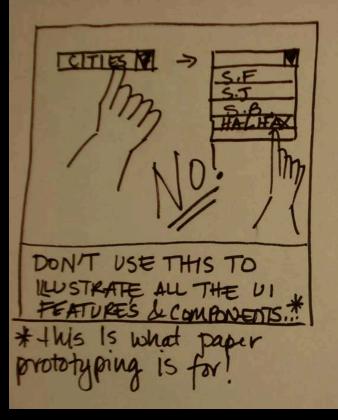
Way You want to illustrate a scenario

LAMANO

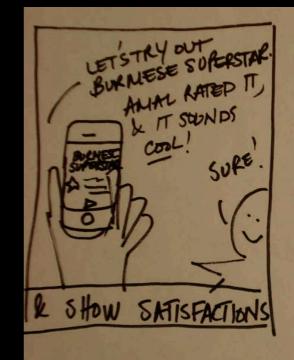
THE GIST

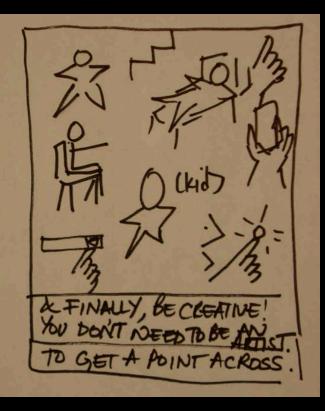


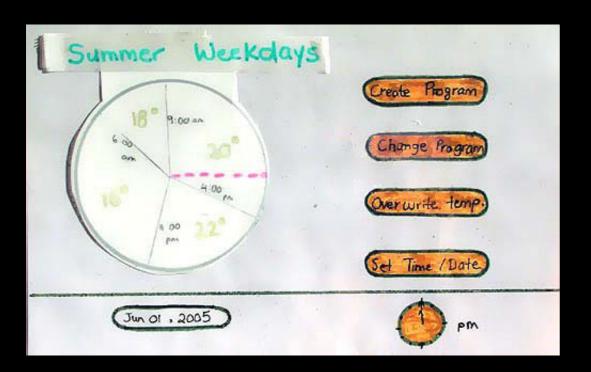


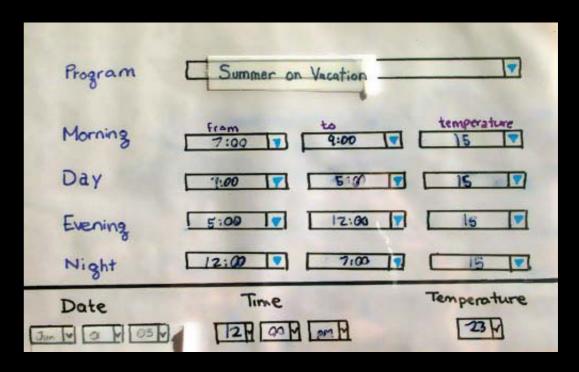


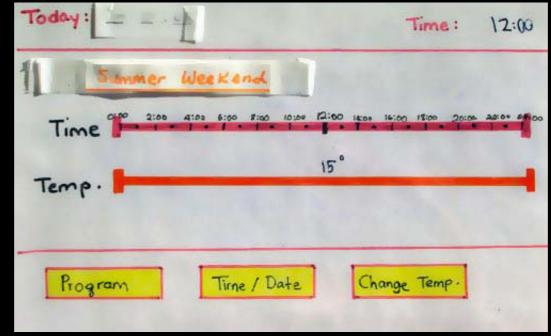
RED & SEAN WERE
BORED AFTER GOING TO
THE BUEGRASS FESTIVAL,
& DECIDED TO FILVADOOT
WHAT ELSE THEY COULD
DO...
DUDE, O-LET HE
TOWNSHALL
JON LIY!
CRED> CSEANS I PHOTE.
INSTEAD, SHOW WHY &
WHEN FLATURES WOULD be
USED







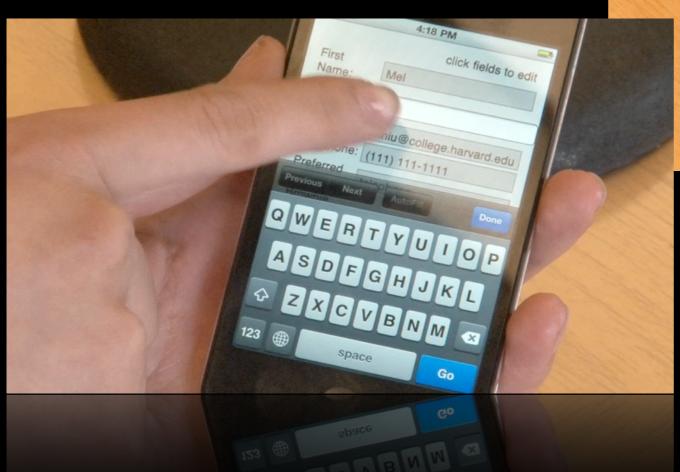




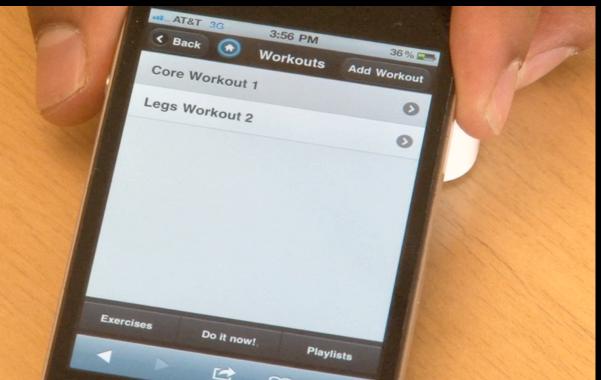
CS.179. Video Prototyping.

One Accurate Measurement s Worth a Thousand Expert Opinions



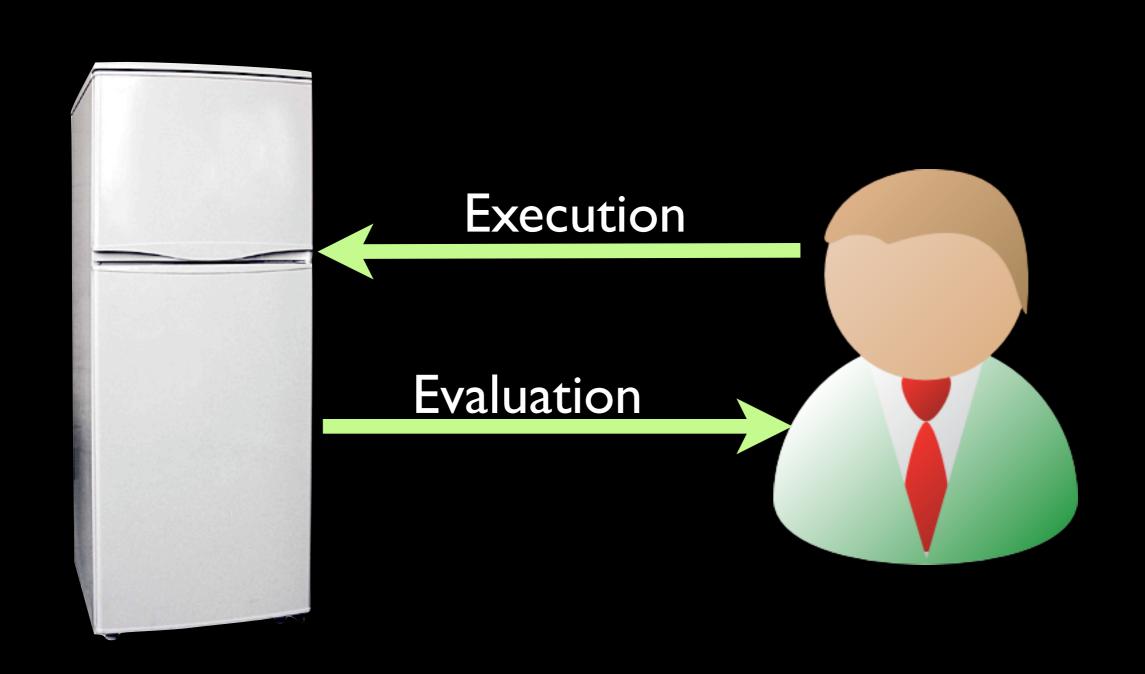


Build

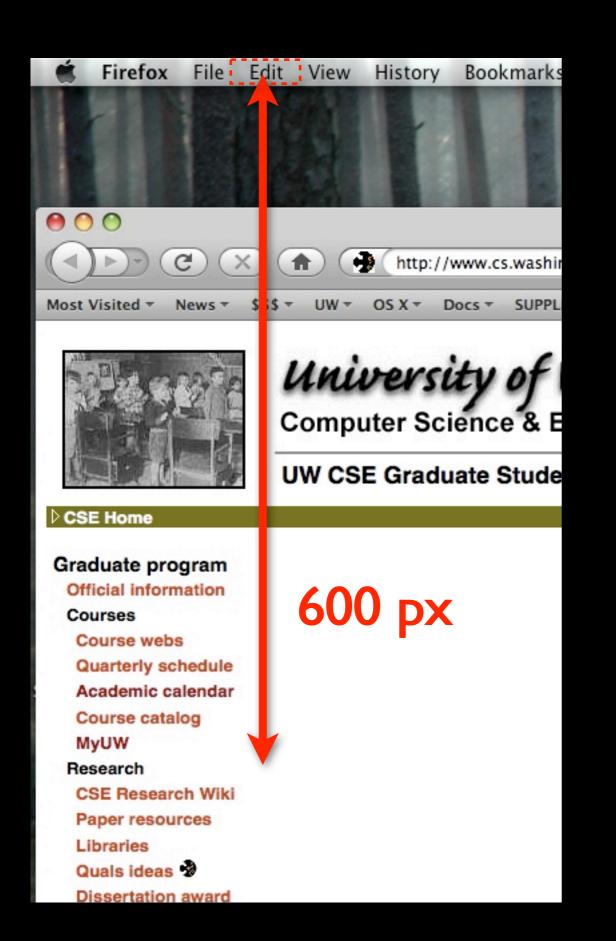


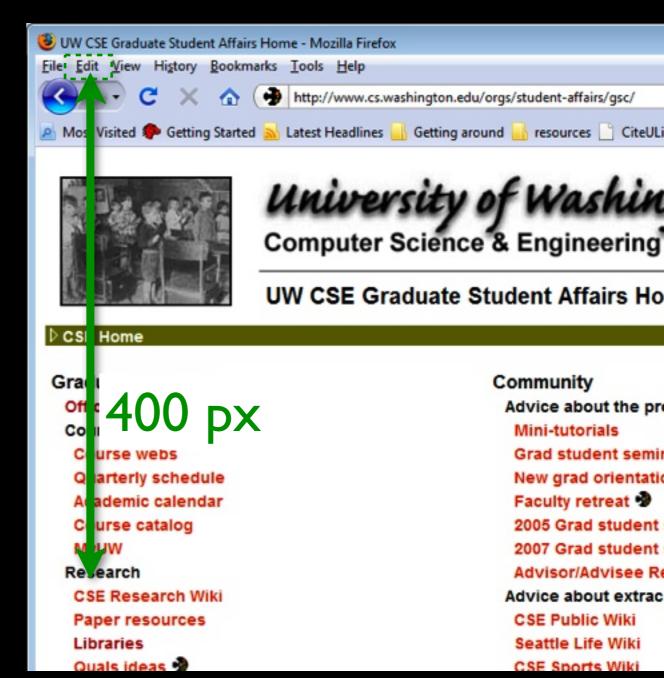
Mysteries Revealed in CS 179

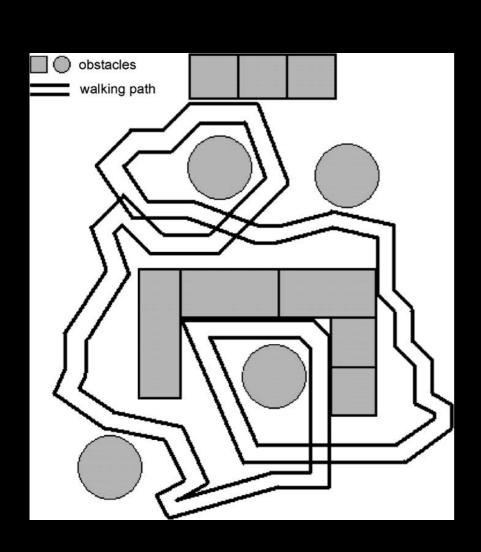
RYDURFAMOUS LOBSTER STRUDEL







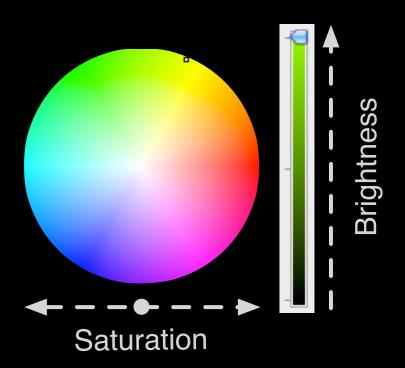






Color

- friendly and professional
- serious and professional
- exciting and dynamic



Progress Bars

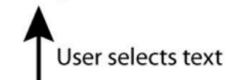
81%

Microsoft Word

C# and Visual Studio Tools for Office

Soylent is a prototype crowdsourced word processing interface. It focuses on three main tasks: shortening the user's writing, proofreading [...]

shorten(text)





Displayed to the user

Soylent, a prototype crowdsourced word processing interface, focuses on three tasks: shortening the user's writing, proofreading [...]

return(patches)

Mechanical Turk

Javascript, Java and TurKit

Find

"Identify at least one area that can be shortened without changing the meaning of the paragraph."



 \downarrow

Find overlapping areas (patches)

Fix

"Edit the highlighted section to shorten its length without changing the meaning of the paragraph."



Soylent, a prototype...

 \downarrow

Randomize order of suggestions

Verify

"Choose at least one rewrite that has significant style errors in it. Choose at least one rewrite that significantly changes the meaning of the sentence."

- □ Soylent—is, a prototype...
- □ Soylent is a prototypes...
- ✓Soylent is a prototypetest...



Baseline sign up rate: 8.26%

STANFORD

[HiPPO: Highest Paid Person's Opinion]



Practicalities

- Prerequisites: CS 50
- Lectures T,Th 10-11:30am
- Studios on Fridays
- Weekly assignments (mostly in teams)

What is Computer Science?



What is Computer Science?



PlateMate

(by Jon Noronha '11 & Eric Hysen '11)

