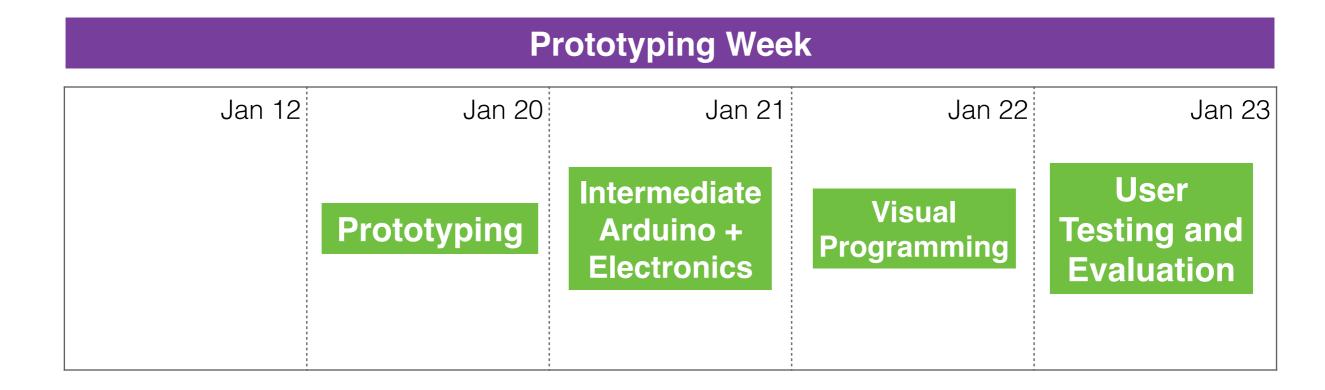


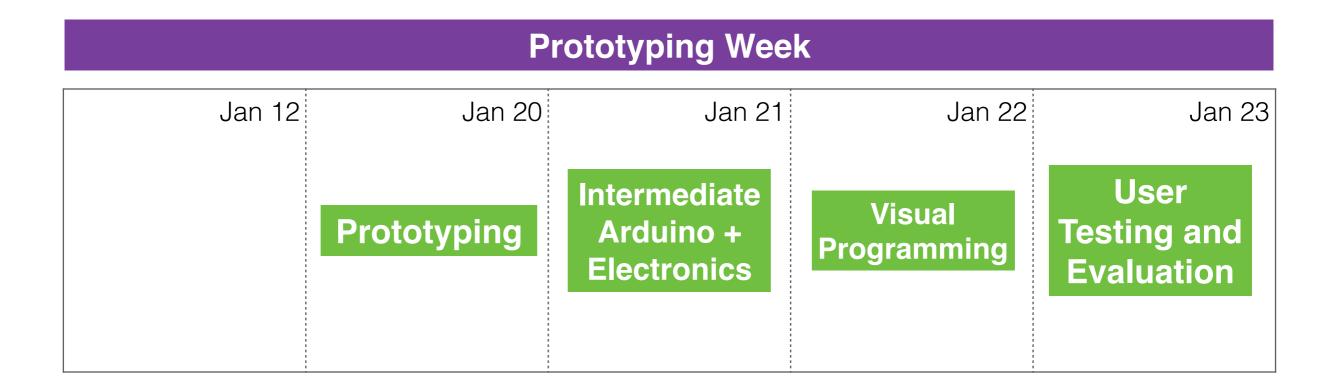
Week 2 Overview



Deliverables

Pick 1 of your 3 concepts and create 3 prototypes (looks-like, works-like, experience-like)

Week 2 Overview



Deliverables

Pick 1 of your 3 concepts and create 3 prototypes (looks-like, works-like, <u>experience-like</u>)

will work on today

Today: Prototyping

Lecture

Types of prototypes

In-class activity

Experience prototyping + blue foam modeling

Assignment Prototype Plan

Budget

- \$100 per team
- Add expenses to group spreadsheet
- Tax exemption
- Digikey purchasing tomorrow

Examine design problems and **evaluate solutions** before final prototypes exist.

Examine design problems and **evaluate solutions** before final prototypes exist.

What's the form factor for the system?

What type of feedback should the system provide?

What sensor should be used?

Sketches

Storyboards

Videos

Physical models

Virtual 'sketches'

Role plays

Sketches

Storyboards

Videos

Physical models
Virtual 'sketches'
Role plays

Actively engaging people

VALIDATE INSPIRE EVOLVE

prototype driven specs

spec driven prototypes

INSPIRE EVOLVE VALIDATE

prototype driven specs

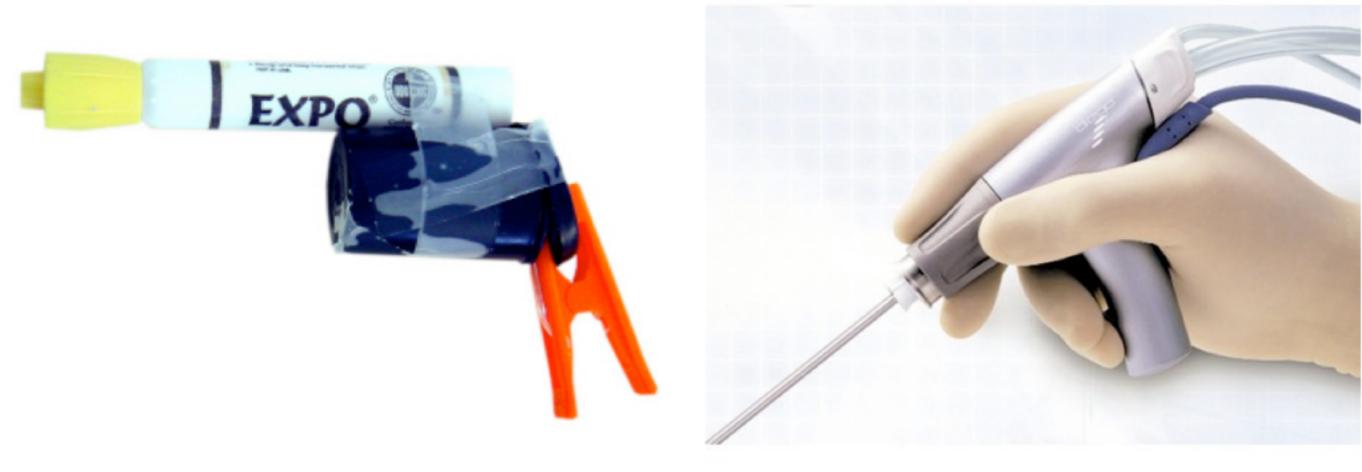
spec driven prototypes







Inspire Validate





Explore

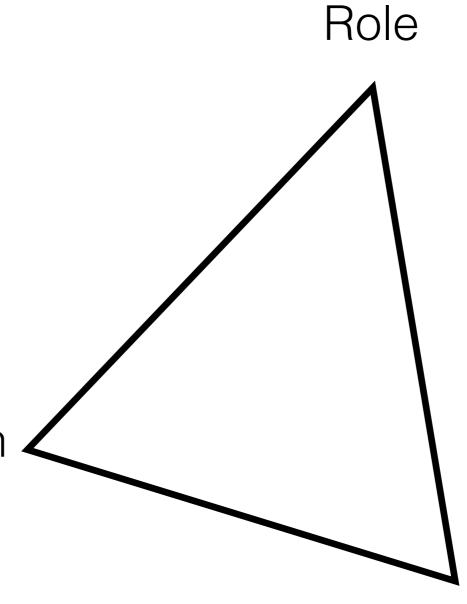
Classifications

Looks like

Works like

Experience like

Implementation 4



Look and feel



VIDEO CONFERENCING AT YOUR FINGERTIPS

AdapTable is a multi-touch surface that enables globally distributed business teams to share and manipulate data, improving their ability to solve problems and support decisions with information.



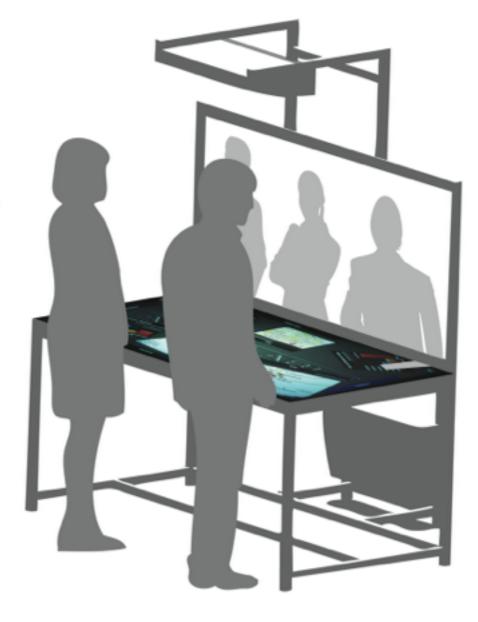
Document Sharing

Windows can be pushed and shared just like paper documents. Digital documents add editing functionality.



Rapid Data Access

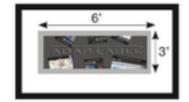
AdapTable software allows users to build queries on demand, enabling them to quickly answer questions that arise during the meeting.





Hand Gestures

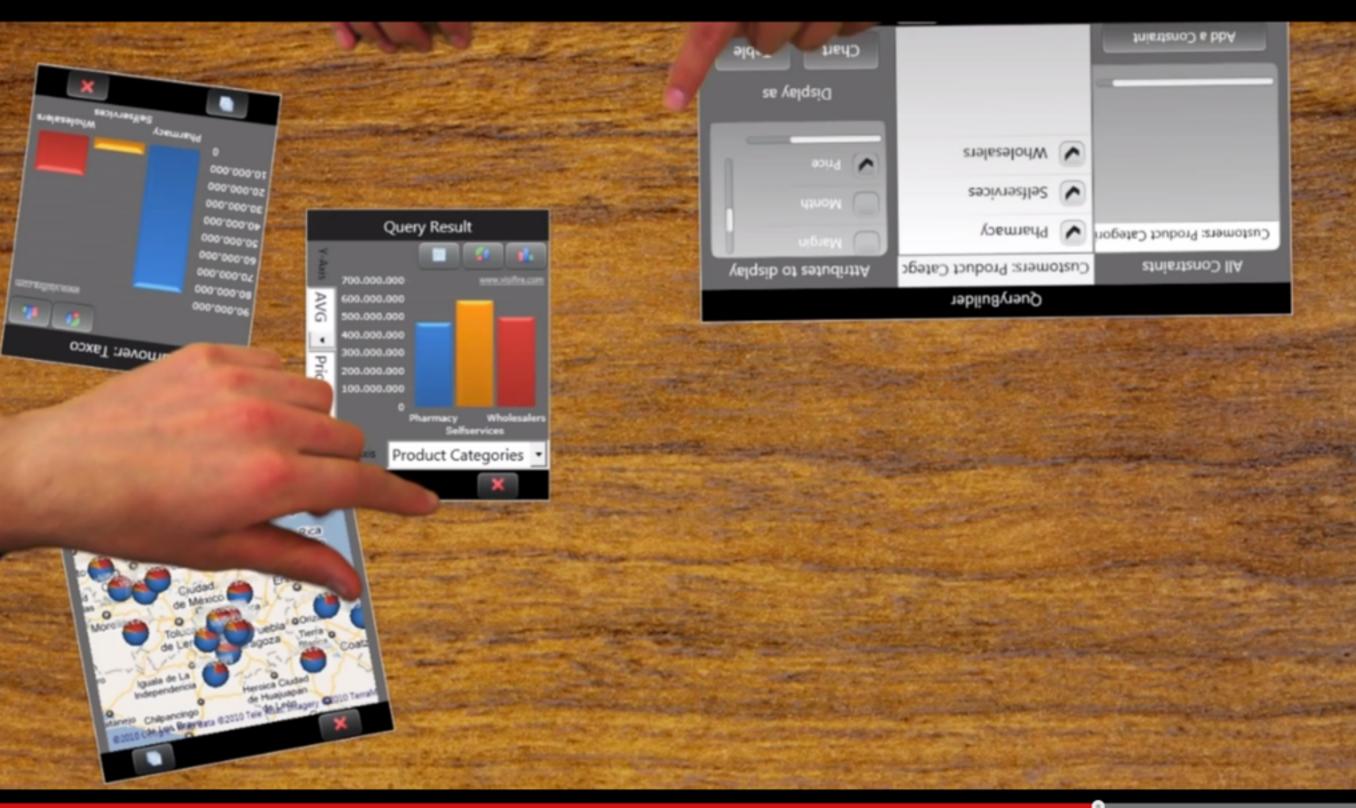
Remote teams can view each others gesture on screen, enhancing the feeling of working at the same table.



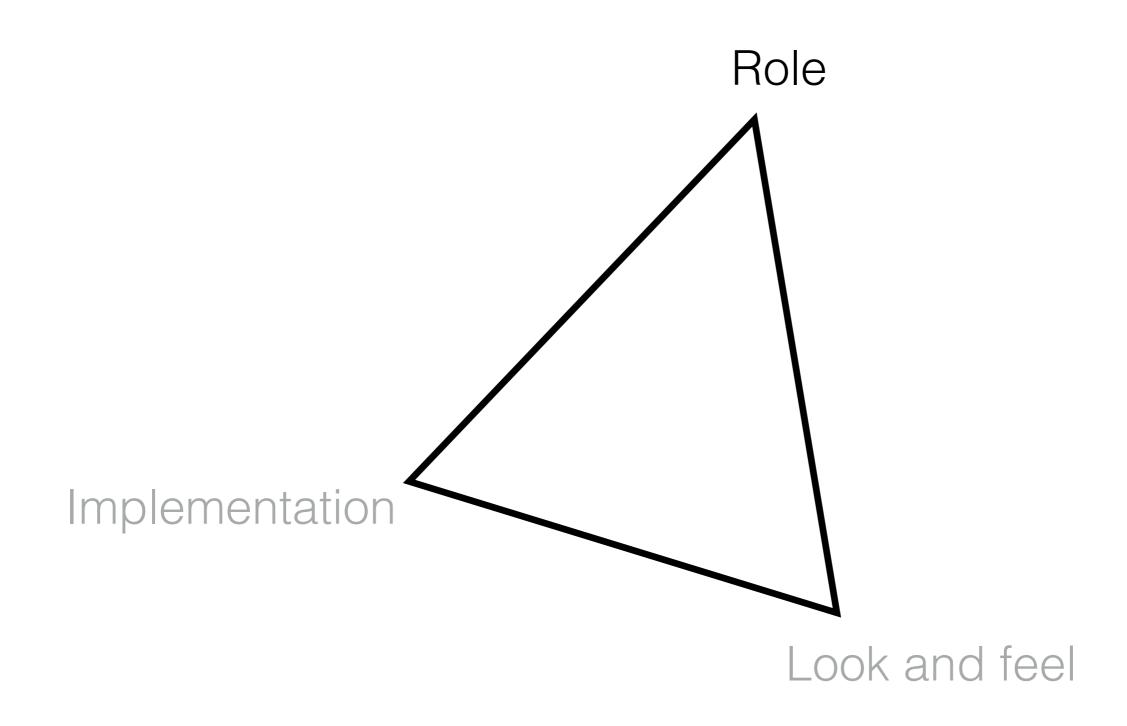
Large Workspace

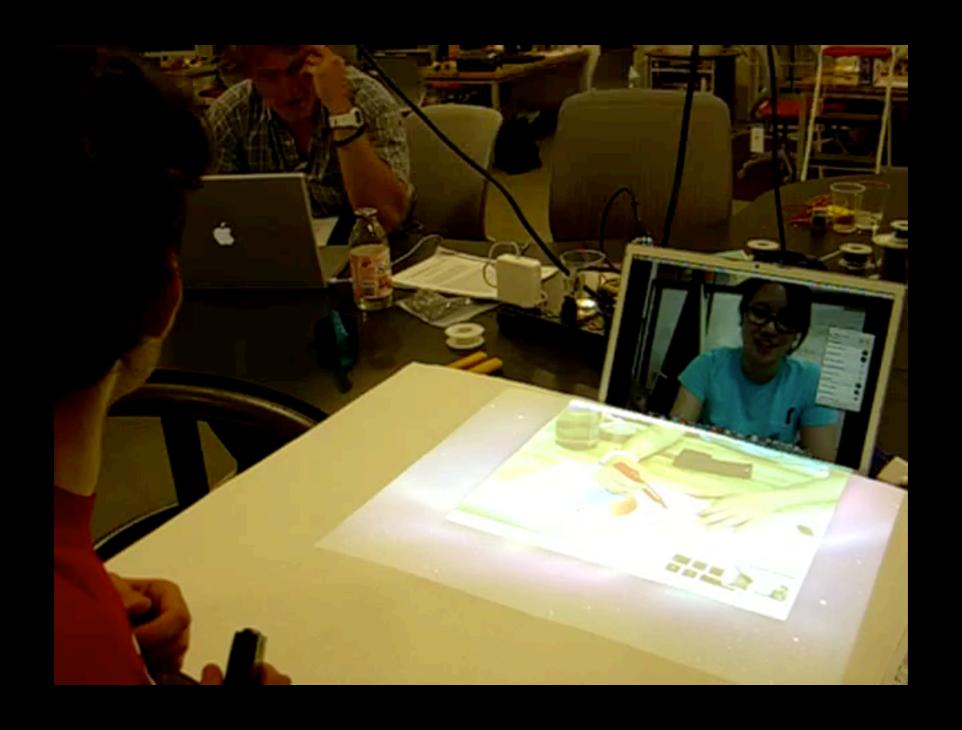
The 6' long multi-touch table affords room for up to three paricipants to work comfortably and efficiently on each side of the video conference.

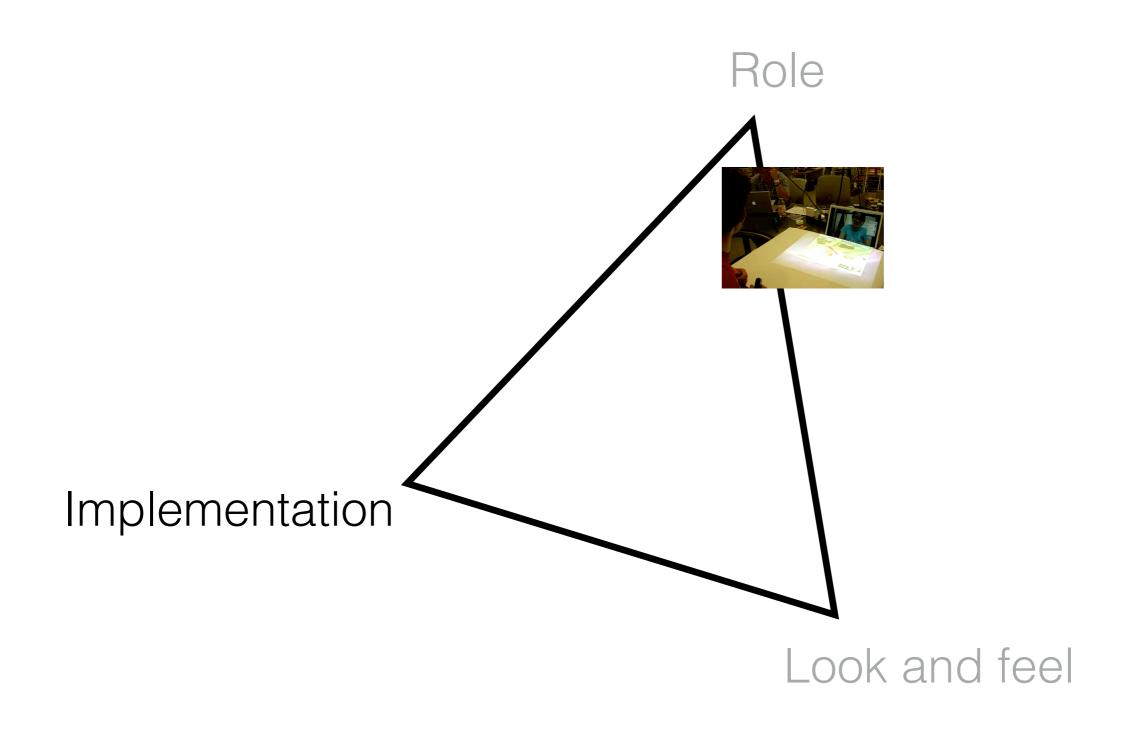


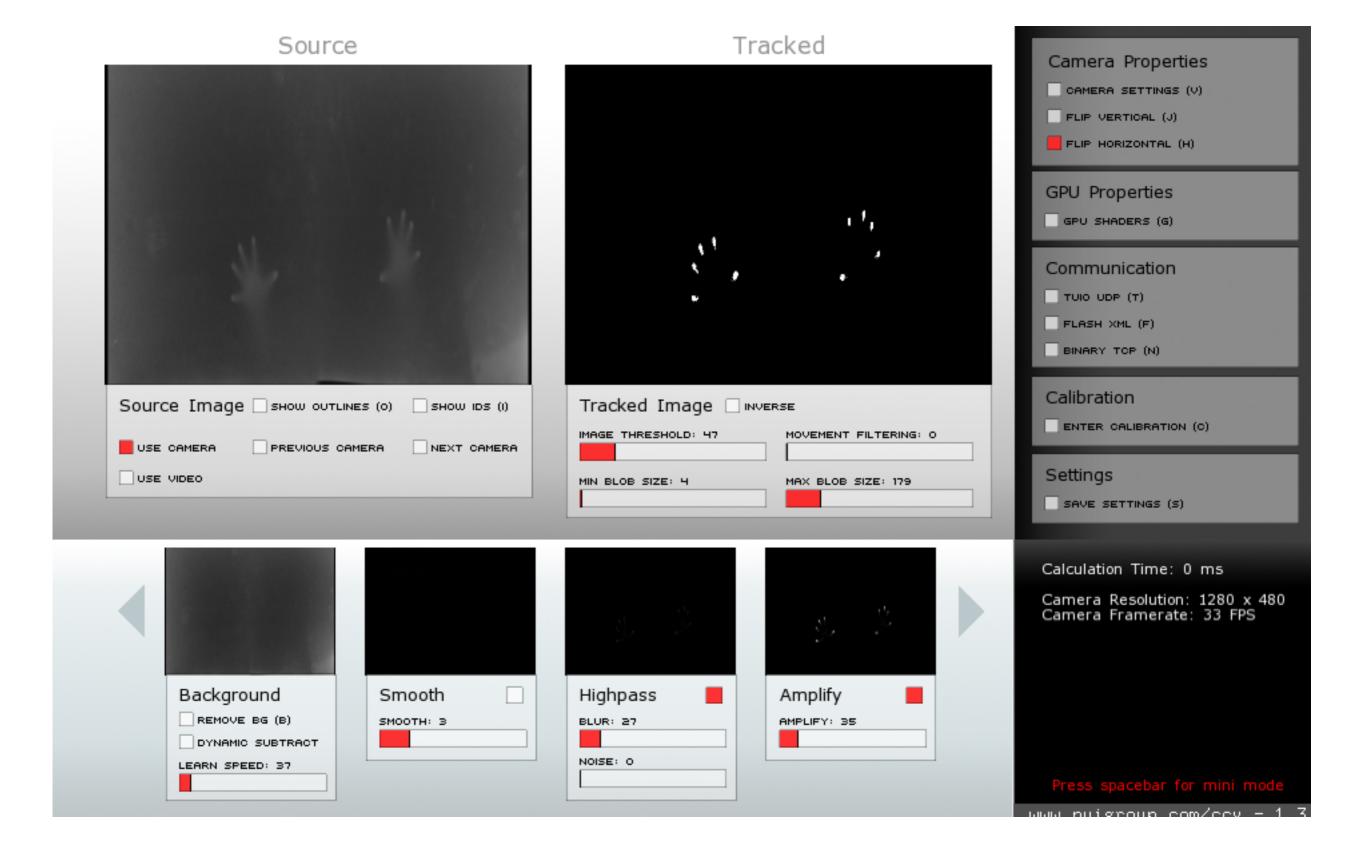


AdapTable

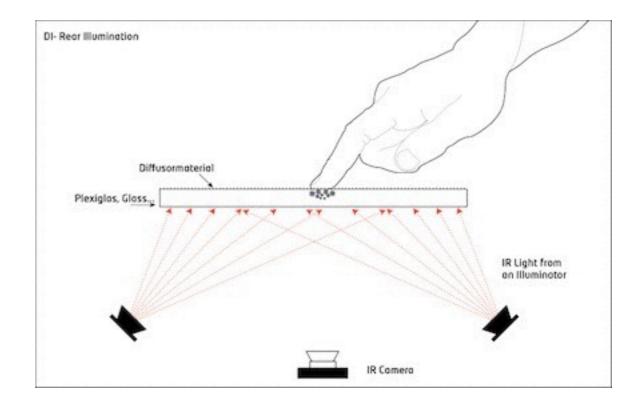


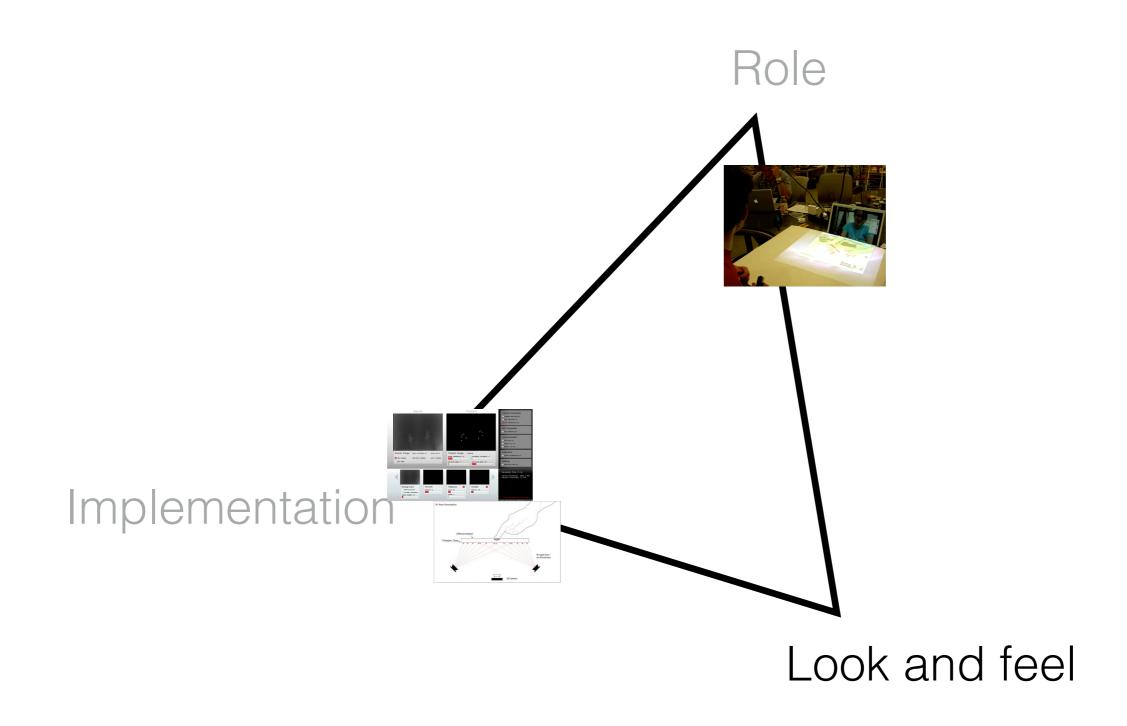


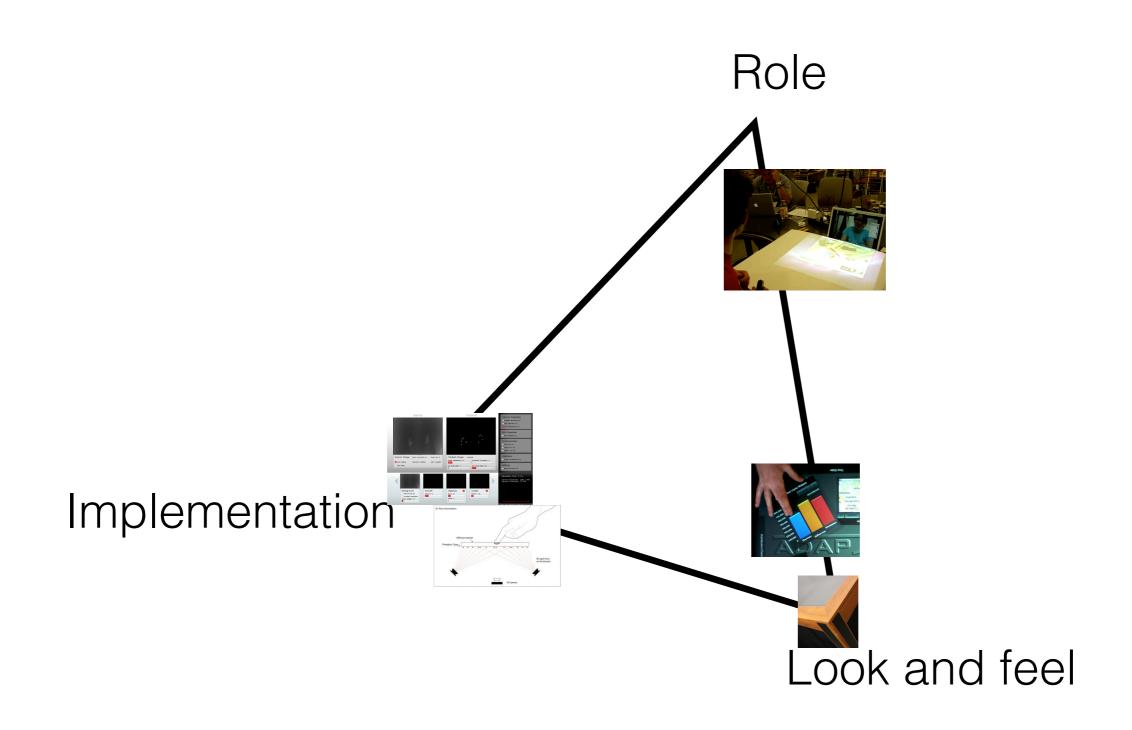












Experience Prototyping

Why

Used to understand, explore, or communicate what it might be like to engage with the product, space, or system

How

Enable users to gain first-hand experience of future conditions through active engagements with prototypes.

Immersion Role-playing Wizard-of-oz

Immersion

Role-playing Wizard-of-oz





Immersion Role-playing Wizard-of-oz



Immersion Role-playing Wizard-of-oz





Experience Prototyping: Guidelines

Minimize instruction

Note surprising assumptions / actions

Reuse

Use existing parts in place of building your own when possible

Maintain ambiguity
Keep it "sketchy"

Assignment

In-Class

Experience Prototype

Week 2 Assignment

1 Looks-like and 1 Works-like prototype

Select the idea you plan to prototype this week.

Write a list of key questions you hope to answer with your prototypes.

Which question(s) do you plan to answer with your experience prototype?

How do you plan to prototype the experience?

10 minutes

Take 1 hour to build out your experience prototype

Stephen will grab teams for short blue-foam tutorial

We will regroup for you to test your experience prototype with multiple groups

| Testers | Users |
|-------------|---------------|
| Living Room | Bathroom |
| Kitchen | Bedroom |
| Workspace | Teaching Team |

| Users | Testers |
|---------------|-----------|
| Living Room | Bathroom |
| Teaching Team | Bedroom |
| Kitchen | Workspace |

Assignment

Prototyping Plans

For *each* of the two prototypes, include a project plan outlining the following:

- Description of the design problem / opportunity and your proposed system.
- What question your prototype is addressing
- How you plan to implement your prototype
- What materials you might need
 - Digikey purchasing