

Mixing Lean UX & Agile Development

How to minimize risk, maximize flexibility, and create a loved product.

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We used to design and build applications.



We used to design and build
applications.

Now we design and build:

Products

Companies

Experiences

Services

growth

money

experimentation

respect

value

learning

creativity

transparency

balance

Disappearing Boundaries

experience design

brand strategy

information architect

interaction design

visual design

Disappearing Boundaries

front-end development

system operations

database development

backend development

data analysis

Carbon Five



Emerging Technology

rapid prototyping

in browser design

living style guides

responsive design

html5 and canvas

Emerging Technology

offline apps

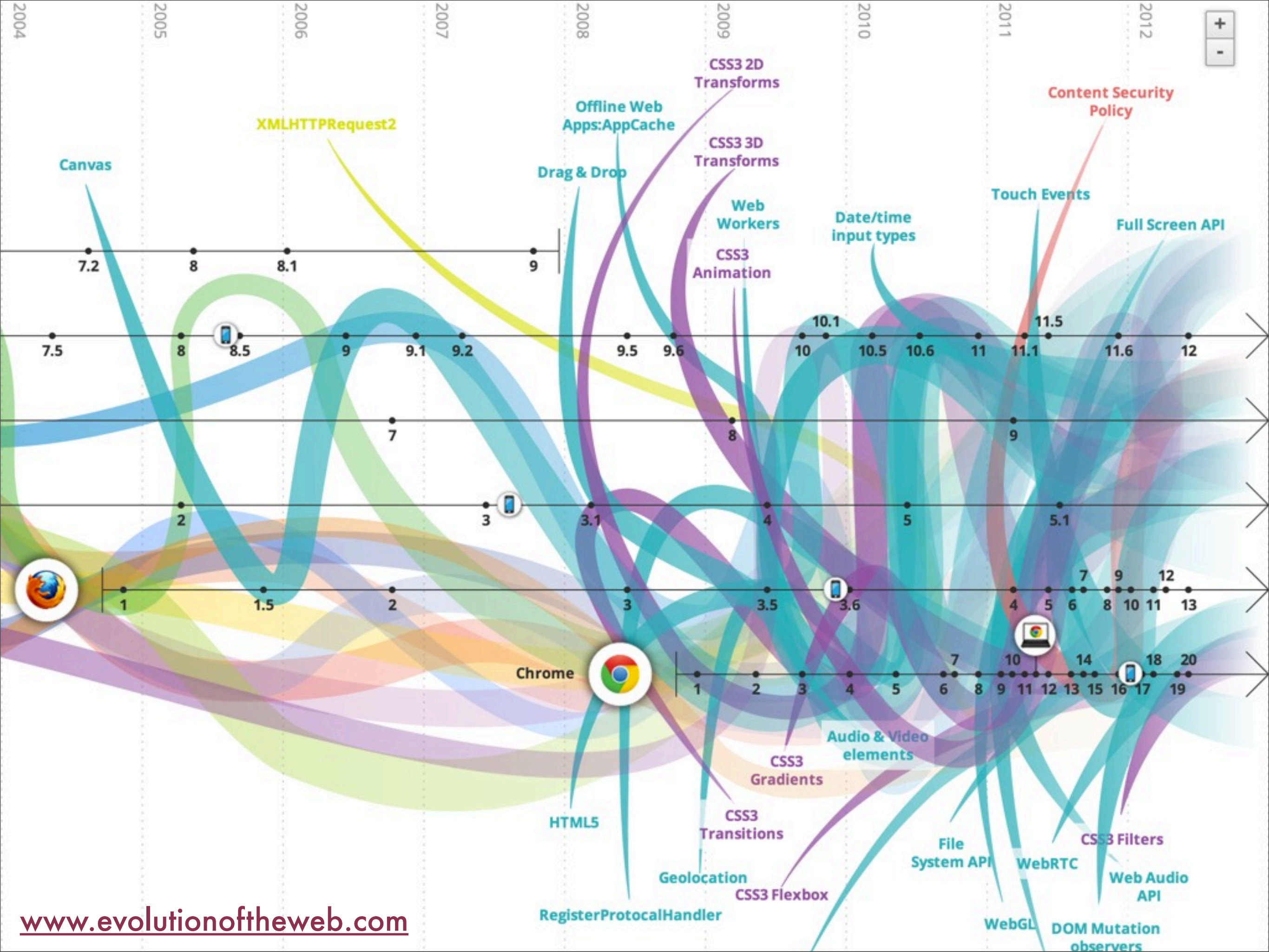
websockets

client side scripting

mobile

real time updates

Carbon Five 



How do you keep up
with all that?

you don't have to...

we get by with a little
help from our friends...

Some stories about how
we help our clients find
their cadence.

A little about this we ...

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Genentech



charles SCHWAB



Scôot
& Dogdle

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Roles & Responsibilities

developer + designer + product owner

One team
Everyone participates

Conflicting perspectives
are required for creative
solutions.

MIT Building 20



The disrepair of Building 20 invited inhabitants to take intellectual risks.

“The edifice is so ugly...that it is impossible not to admire it, if that makes sense; it has 10 times the righteous nerdy swagger of any other building on campus, and at MIT, any building holding that title has a natural constituency.”

— FRED HAPGOOD

The “Magical Incubator”



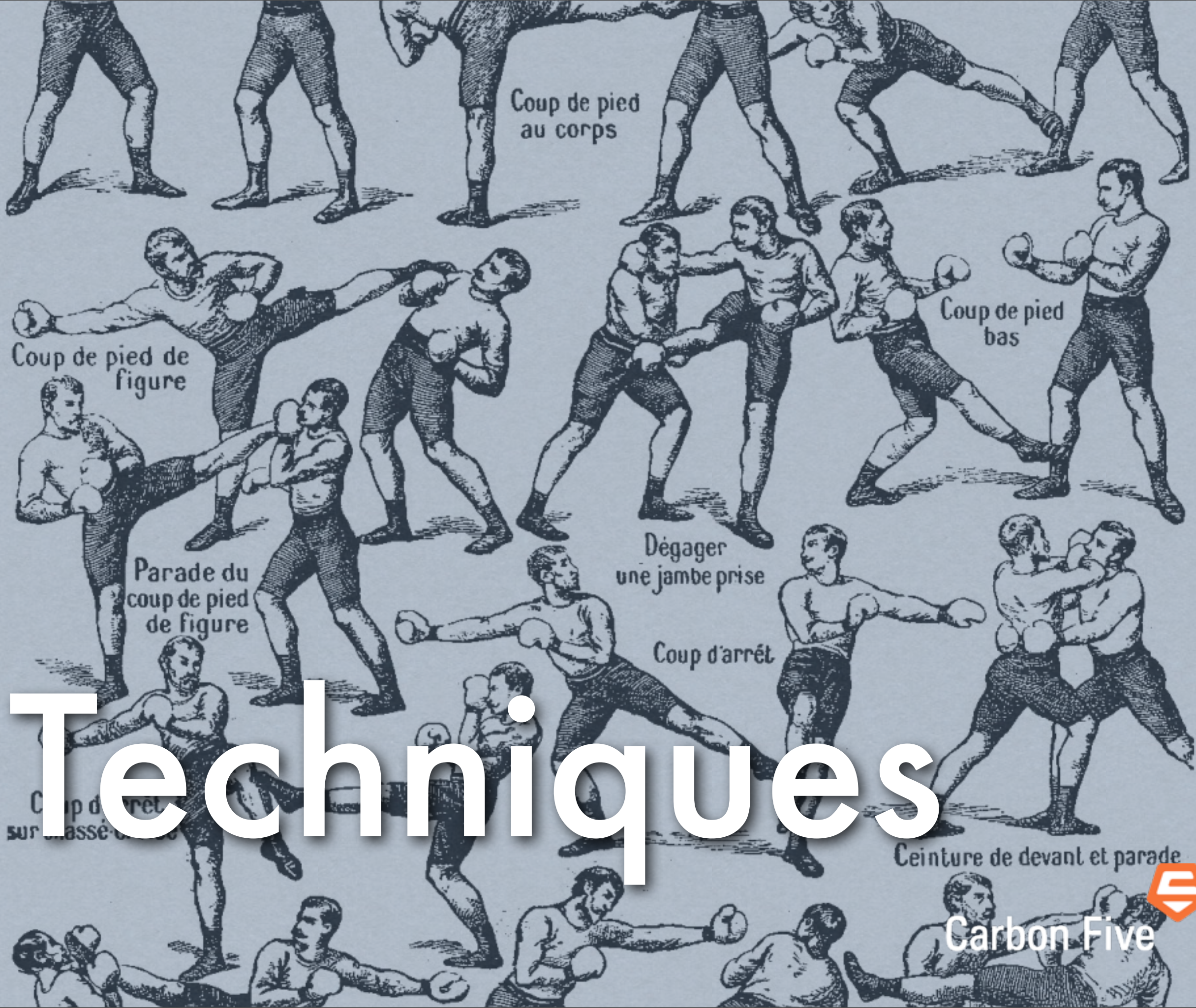
Pixar Headquarters



The legacy of Steve Jobs



Cadence



Techniques

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Sprints as Experiments

What is your highest risk,
highest reward feature?

Costs vs. Benefits

Place your epics or stories as a mechanism for prioritization



Get your stories straight

Deliverable whole

Always try to prioritize using a path to a full deliverable whole.

Just in Time Design

? Cards

Case Studies

BookRenter™

nib.ly
from
sharethrough®

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APRIL
MAY

week 1

Monday

reflect & define

Tuesday

specify

Wednesday

build & refine

Thursday

build & refine

Friday

customer feedback!



Week
at a
Glance

Flexible Schedule

Monday

Charrette!

- MORE TESTS
- DAVE @ C5
- UX TESTING OF SHARETREE
- SHARETHROUGH STAFF
- WEEKLY PRESENTATIONS
- PAIR W/ ROB ONCE / WEEK
- IDENTIFY DESIGN RESOURCES
- VACATION

NEW FUN

COMMUNICATION

AWESOME RAMPUP

DESIGN

WIREFRAME WALKTHROUGH

UX TESTING

Testing

CODE

SPACE

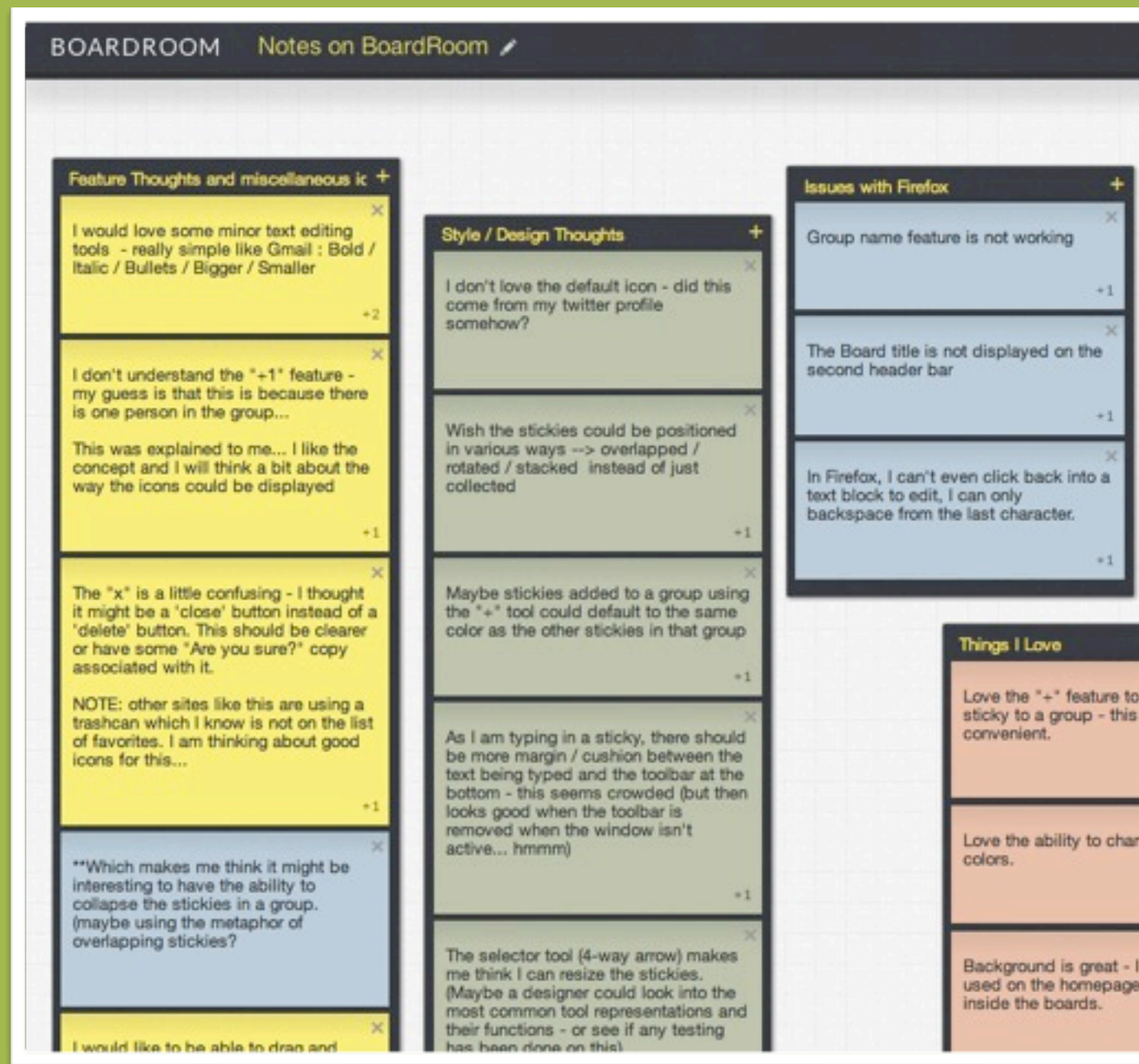
OB ALEX

TIME

Focus

Retrospective

Capture Customer Feedback



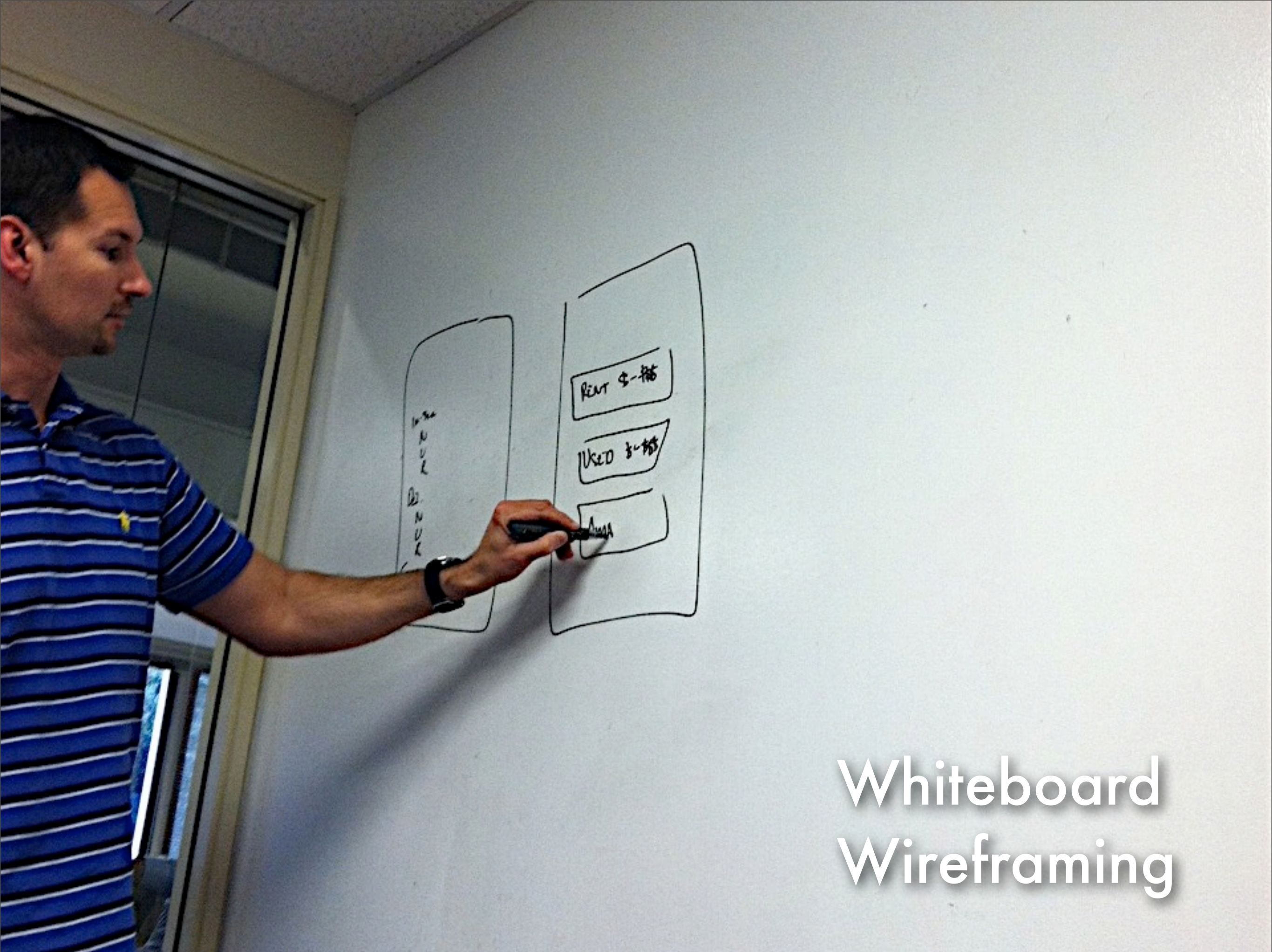
Stickers

Audio

Video

Notes

stickies.io



Whiteboard Wireframing

Hypothesis Definition



Clean Up and Prep

Tuesday

The Art of Story Writing

Story Template

Title (one line describing the story)

Narrative:

As a [role]

I want [feature]

So that [benefit]

Acceptance Criteria: (presented as Scenarios)

Scenario 1: Title

Given [context]

And [some more context]...

When [event]

Then [outcome]

And [another outcome]...

Story Breakdown, Estimation & Prioritization

Root GEN = channel

Gen 1

gen 2

Gen 3

total v. channel total

ch

4

3

4

0

$v=1$

$v=5$

$v=2$

$v=1$

$v=1$

$v=2$

$v=1$

Pair Sketching

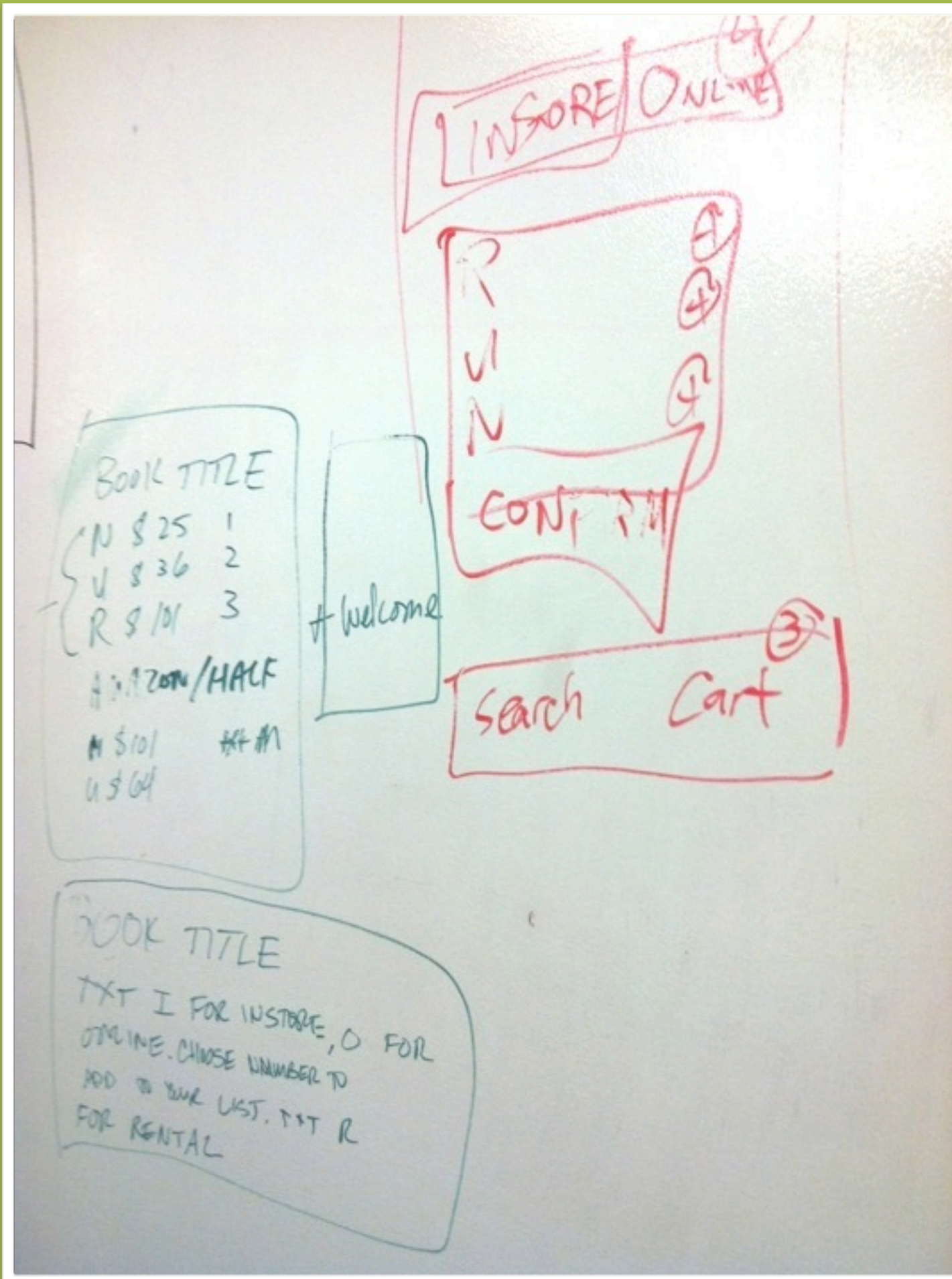


Story Mapping
<http://storymapper.io>

Wednesday & Thursday

Feature Development

```
497 };
498 Plugin.prototype._slide = function(number) {
499     var $element, currentSlide, direction, duration, next, prefix, slidesControl, timing, transform, value,
500         _this = this;
501     $element = $(this.element);
502     this.data = $.data(this);
503     if (!this.data.animating && number !== this.data.current + 1) {
504         $.data(this, "animating", true);
505         currentSlide = this.data.current;
506         if (number > -1) {
507             number = number - 1;
508             value = number > currentSlide ? 1 : -1;
509             direction = number > currentSlide ? -this.options.width : this.options.width;
510             next = number;
511         } else {
512             value = this.data.direction === "next" ? 1 : -1;
513             direction = this.data.direction === "next" ? -this.options.width : this.options.width;
514             next = currentSlide + value;
515         }
516         if (next === -1) {
517             next = this.data.total - 1;
518         }
519         if (next === this.data.total) {
520             next = 0;
521         }
522         this._setActive(next);
523         slidesControl = $(".slidesjs-control", $element);
524         if (number > -1) {
525             slidesControl.children(":not(:eq(" + currentSlide + "))").css({
526                 display: "none",
527                 left: 0,
528                 zIndex: 0
529             });
530         }
531         slidesControl.children(":eq(" + next + ")").css({
532             display: "block",
533             left: value * this.options.width,
534             zIndex: 10
535         });
536         this.options.callback.start(currentSlide + 1);
537         // $.data(this, "pageProgress", 0);
538         if (this.data.vendorPrefix) {
539             prefix = this.data.vendorPrefix;
540             transform = prefix + "Transform";
541             duration = prefix + "TransitionDuration";
542             timing = prefix + "TransitionTimingFunction";
543             slidesControl[0].style[transform] = "translateX(" + direction + "px)";
544             slidesControl[0].style[duration] = this.options.effect.slide.speed + "ms";
545             return slidesControl.on("transitionend webkitTransitionEnd oTransitionEnd otransitionend MSTransitionEnd", function() {
546                 slidesControl[0].style[transform] = "";
547                 slidesControl[0].style[duration] = "";
548                 slidesControl.children(":eq(" + next + ")").css({
549                     left: 0
550                 });
551                 slidesControl.children(":eq(" + currentSlide + ")").css({
552                     display: "none",
553                     left: 0,
554                     zIndex: 0
555                 });
556                 $.data(_this, "current", next);
557                 $.data(_this, "animating", false);
558             });
559     }
560 }
```

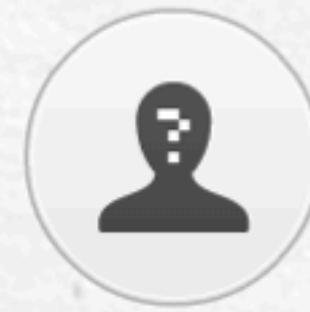
Whiteboard Wireframing



Female Node



Male Node



Anonymous Node



Video Node

Living Style Guide & Visual Assets



Designer/Developer Pairing



Town Crier
<http://bit.ly/2l3>

Print
<http://bit.ly/2ky>

Designer/Developer Pairing

Elements Resources Network Sources Timeline Profiles Audits Console

```
"stroke-width: 5px;"></path>
<path class="link root" d="M-150,209.38775510204079C-75,209.38775510204079 -75,38.775510204081634 0,38.775510204081634" style=
"stroke-width: 6px;"></path>
<path class="link root" d="M-150,209.38775510204079C-75,209.38775510204079 -75,221.0204081632653 0,221.0204081632653" style=
"stroke-width: 17px;"></path>
<path class="link root" d="M-150,209.38775510204079C-75,209.38775510204079 -75,403.26530612244903 0,403.26530612244903" style=
"stroke-width: 493px;"></path>
<path class="link" d="M0,403.26530612244903C75,403.26530612244903 75,54.285714285714285 150,54.285714285714285" style="stroke-
width: 1px;"></path>
<path class="link" d="M0,403.26530612244903C75,403.26530612244903 75,58.16326530612245 150,58.16326530612245" style="stroke-width:
1px;"></path>
<path class="link" d="M0,403.26530612244903C75,403.26530612244903 75,62.04081632653061 150,62.04081632653061" style="stroke-width:
```

>= 🔍 html body div#chart **svg**

Story Acceptance

(yay!)

	Start	<input type="checkbox"/>
	Start	<input type="checkbox"/>
	Start	<input type="checkbox"/>
	Finish	<input type="checkbox"/>
Accept	Reject	<input type="checkbox"/>

Friday

Customer Feedback Prep

What are you testing?

What methods will you use to test?

Broad or specific?

NEW
EDITION

ART IN THEORY

1900 - 2000

Harrison
&
Wood

ART101

SECTIONS: A, B

TITLE: ART IN THEORY 1900 - 2000: AN ANTHOLOGY OF CHANGING IDEAS
AUTHOR: CHARLES HARRISON/DR PAUL ... BINDING: PAPERBACK
EDITION: 2ND ISBN: 9780631227083

NEW:
\$57.95


USED:
\$35.95

RENT:
\$27.93



INSTANTLY COMPARE TEXTBOOK PRICES WITH YOUR PHONE:

Scan the code
Any QR scanner will do

 auburn.scan.stg.txtbk.it
Use book code 7583

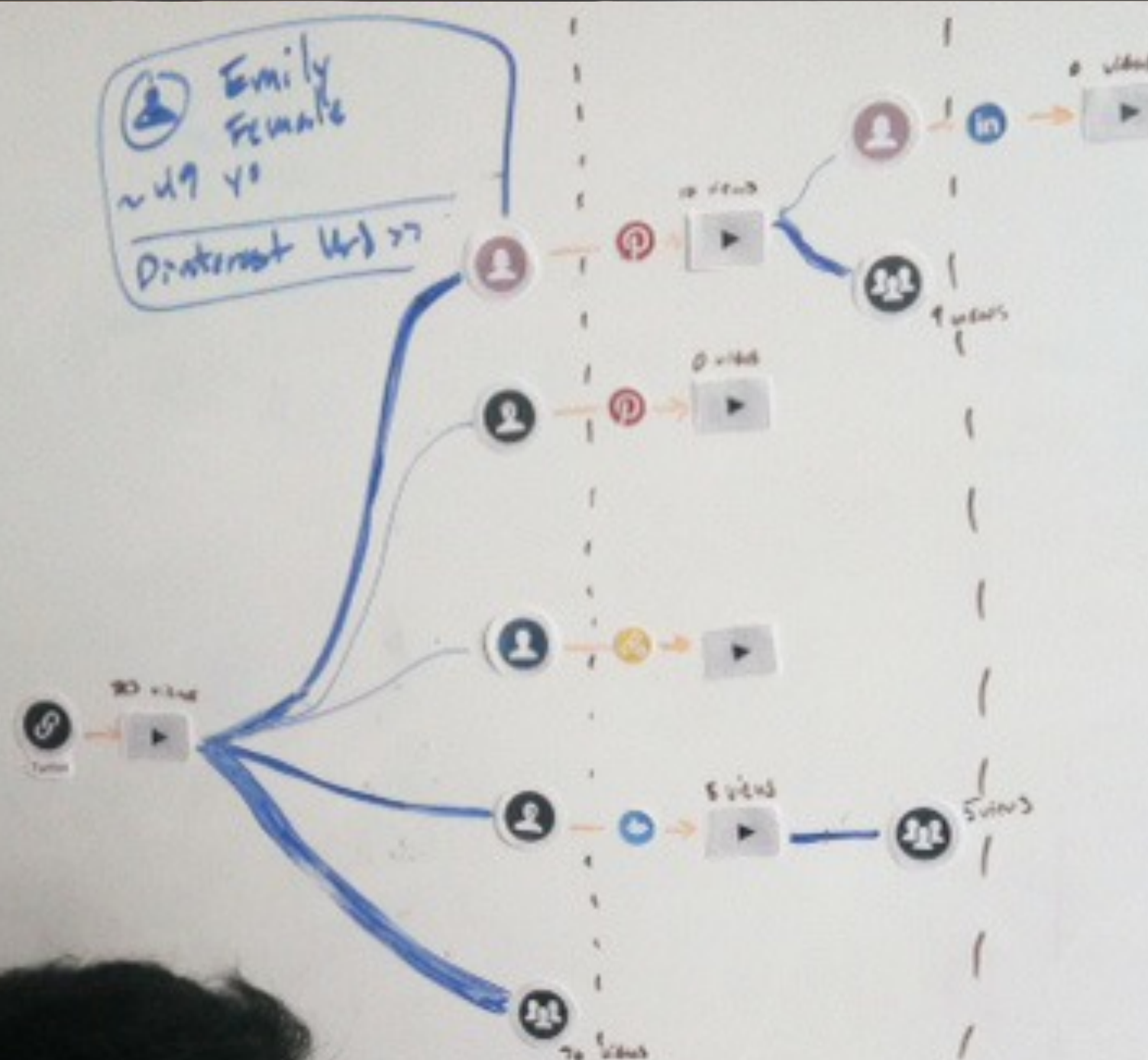
 Text 7583 to 650-681-0854
You'll see prices shortly after

REQUIRED

Feedback
Session



Five on
Friday



Hybrid
Prototyping

Capturing Customer Feedback



Discipline

Carbon Five 

Conflict that
arises is critical
to innovation.

Foundations

Foundations

Conversations

story writing, milestone planning, acceptance

Foundations

Conversations

story writing, milestone planning, acceptance

Culture

cross-functional teams, design, and dev
integration

Foundations

Conversations

story writing, milestone planning, acceptance

Culture

cross-functional teams, design, and dev
integration

Cadance

short term solution-focused product
development



Thanks!



Carbon Five

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