Responsive Web Design & User Experience

Responsive Web Design

Responsive Web design (RWD) is a Web design approach aimed at crafting sites to provide an optimal viewing experience.

Why?

"Day by day, the number of devices, platforms, and browsers that need to work with your site grows. Responsive web design represents a fundamental shift in how we'll build websites for the decade to come."-- Jeffrey Veen

How it looks

Small + Medium + Large
One site for every screen.

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Framework vs. Own

Frameworks

→ *save time*

→ Community Support

→ Lots of resources, customization will take more time than to do your own.

Roll Your Own

→ more control

→ No readily available resources.

Frameworks

[many more to choose from](#)

Things to Consider

- Time & Money

- Browser Support

- Performance

- Content

- Website vs. Web App

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Best Practices

- Content Check

- Start Small (Mobile First)

- Exit Photoshop, Enter Browser

- Make It Modular

- Always Be Optimizing

*Best practices still emerging!

Device support

	Desktop	Tablet	Phablet	Mobile
2880 x 1800	OK			
2560 x 1700	OK			
2560 x 1600	OK	OK		
2560 x 1440	OK			
2048 x 1536		OK		
1920 x 1280		OK		
1920 x 1200	OK	OK		
1920 x 1080	OK	OK	OK	OK
1680 x 1050	OK			
1600 x 1200	OK			
1600 x 900	OK			
1440 x 900	OK	OK		
1366 x 768	OK	OK		
1280 x 1024	OK			
1280 x 800		OK	OK	
1280 x 768		OK	OK	OK
1280 x 720			OK	OK
1024 x 768		OK		OK
1024 x 600		OK		
1136 x 640				OK
960 x 640				OK
960 x 540				OK
854 x 480				OK

	Desktop	Tablet	Phablet	Mobile
800 x 480		OK	OK	OK
720 x 720				OK
640 x 480				OK
640 x 360				OK
480 x 360				OK
480 x 320				OK
400 x 240				OK
320 x 240				OK

@media screen and (min-width:720px) => Phablet

@media screen and (min-width:768px) => Tablet

@media screen and (min-width:1024px) => Desktop

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Some example device size

iPhone4

1.320px x 480px

2.640px x 960px

iPhone5

3.320px x 568px

4.640px x 1136px

iPad2

5.640 x 1136

The New iPad

6.768 x 1024

iPad Retina

7.1536 x 2048

Android Resolution

1.240px x 320px

2.320px x 480px

3.480px x 800px

4.720px x 1280px

Blackberry Resolution

1. 640px x 480px

BB10

1. 768px x1280

windows Resolution

1. 480px x 800px

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Media Queries

```html
1  <!-- CSS media query on a link element -->
2  <link rel="stylesheet" media="(max-width: 800px)" href="example.css" />
3
4  <!-- CSS media query within a style sheet -->
5  <style>
6  @media (max-width: 600px) {
7      .facet_sidebar {
8          display: none;
9      }
10 }
11 </style>
```

https://developer.mozilla.org/en-US/docs/Web/Guide/CSS/Media_queries

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Media Queries

7 Habits of Highly Effective Media Queries

1. Let content determine breakpoints

2. Treat layout as an enhancement

3. Use major and minor breakpoints

4. Use relative units

5. Go beyond width

6. Use media queries for conditional loading

7. Don't go overboard

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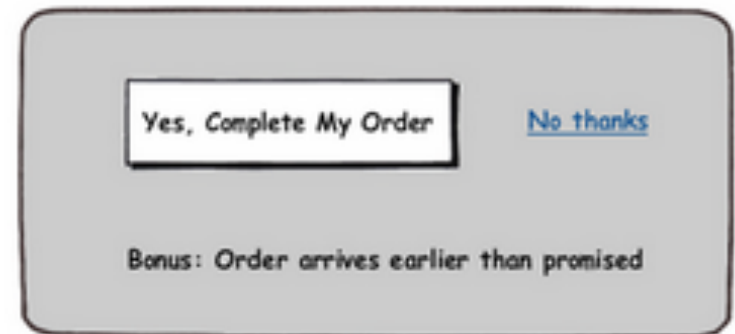TORONTO
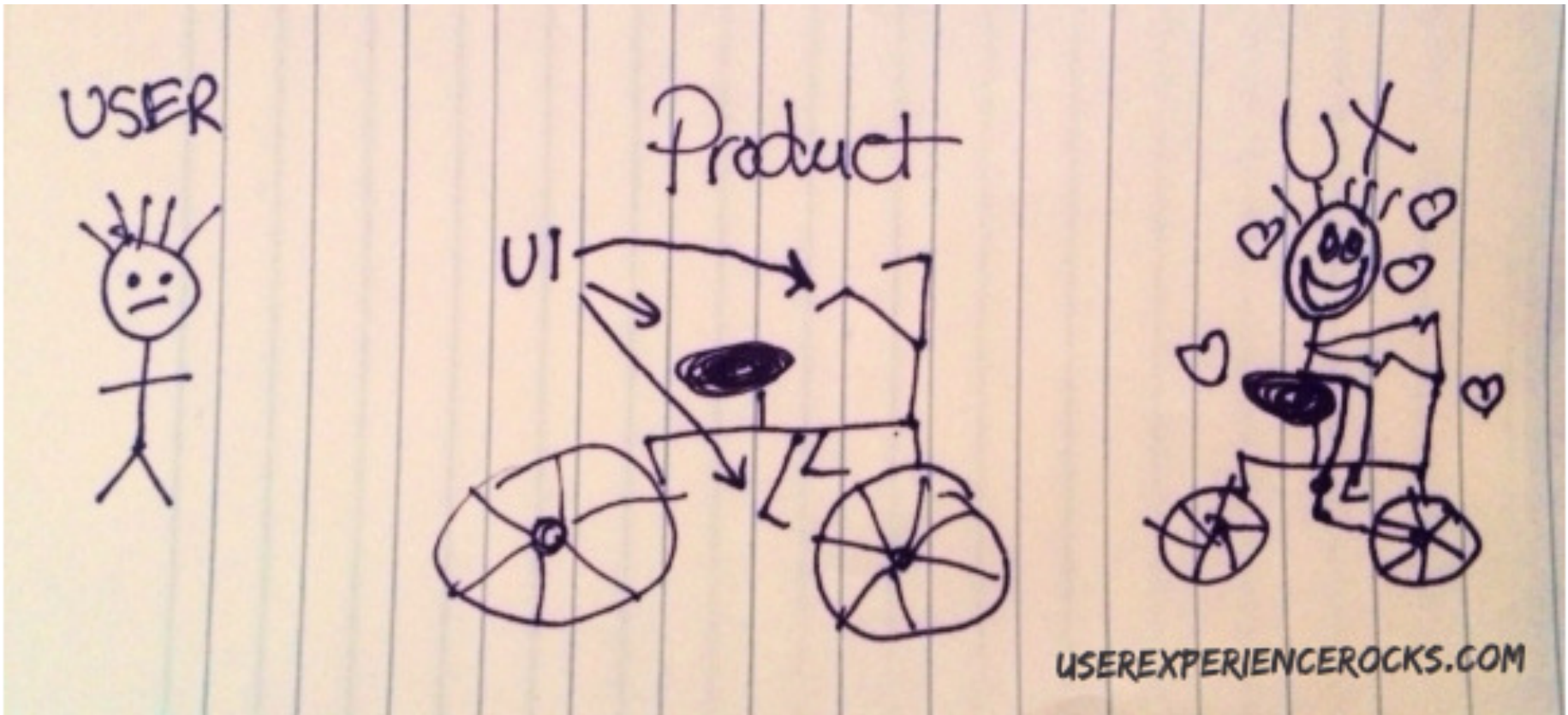
User Experience

User Experience

User Experience
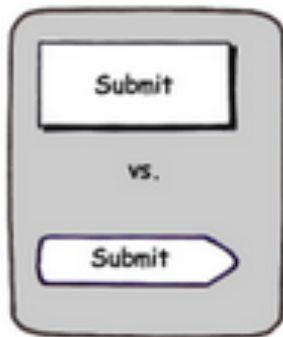
UI Design — Function: It works.
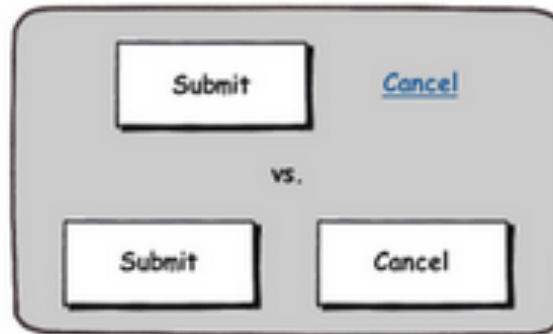
Usability Design — Action: It works well.

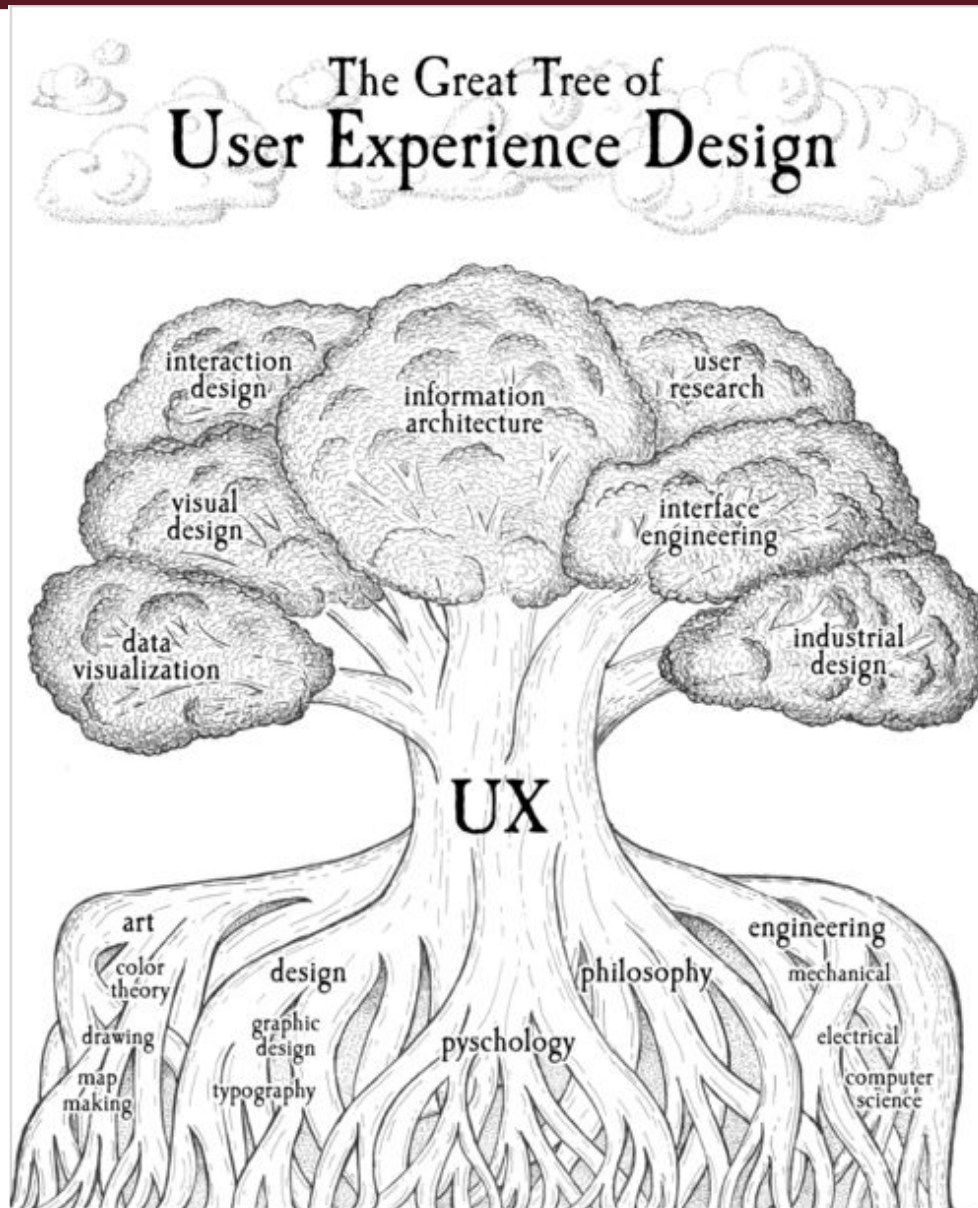User Experience Design — Emotion: It works well and makes me say Wow!
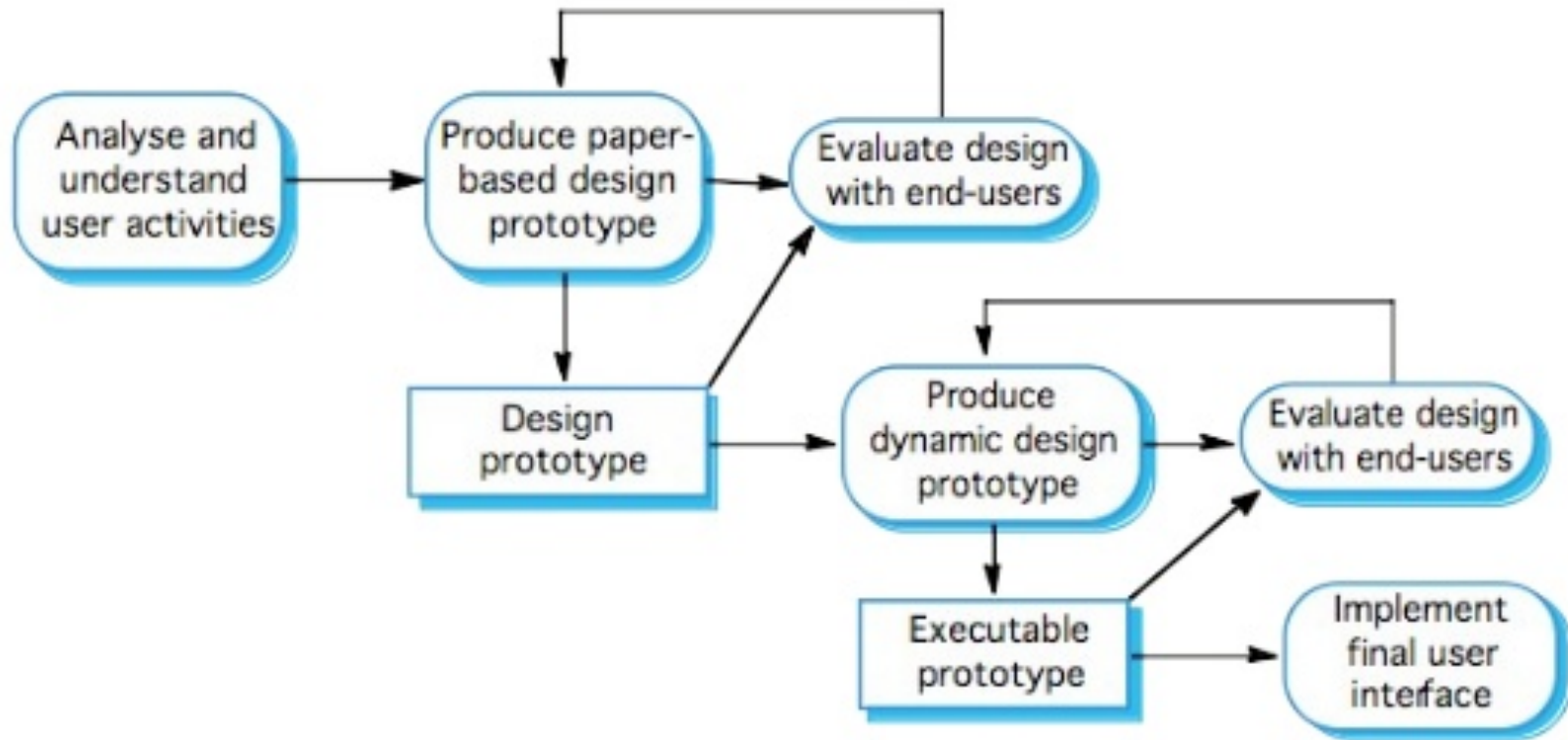
User Experience
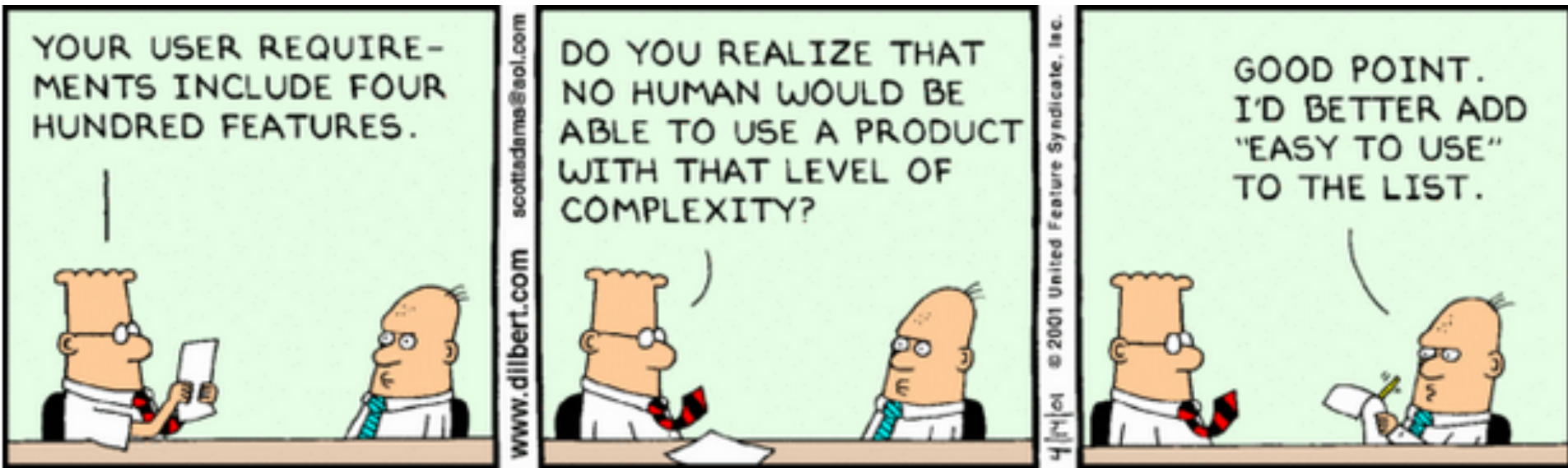
User Experience

User Experience

User Experience

References

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2.http://bradfrostweb.com/blog/post/7-habits-of-highly-effective-media-queries/

3.http://blog.usabilla.com/10-best-ux-infographics/

4.http://www.slideshare.net/vicci4041/user-interface-design-ppt

5.https://www.youtube.com/watch?v=Ovj4hFxko7c

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