

FEWD

Lesson 1 - HTML Basics and style

Who are we?

Fred Katona

DispatchHealth, vp of technology

fdkatona@gmail.com

Stefan Kowal

CenturyLink Software Engineer

BS in Computer Science from Centre College

FEWD class

- Intros

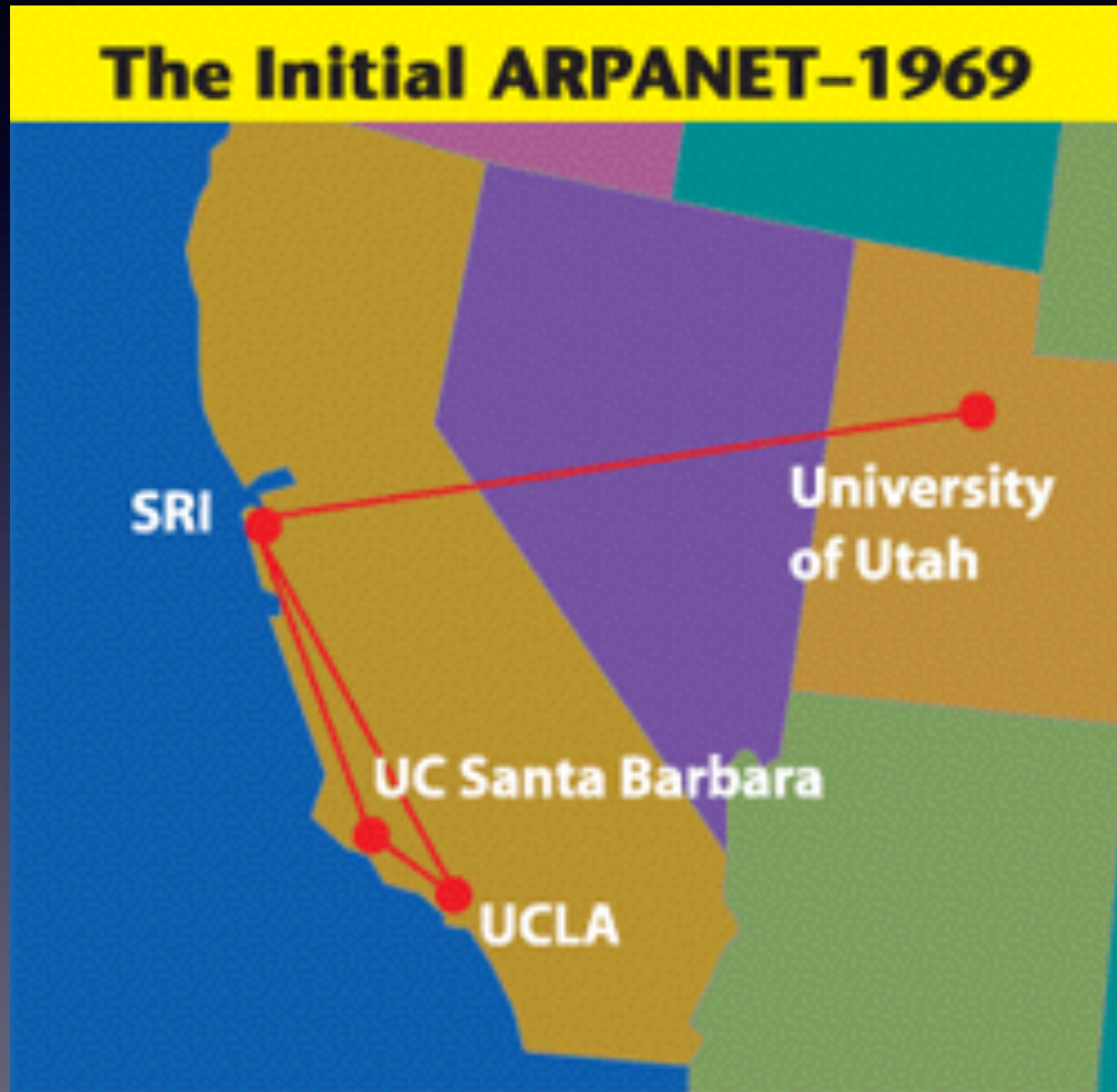
Expectations

- We start on-time
- Cannot miss > 3 classes
- Homework - reviewed within 4 days
- Slack - for you as a group
- office hours mon & wed 5:30-6:30 by appt

Learning Objectives

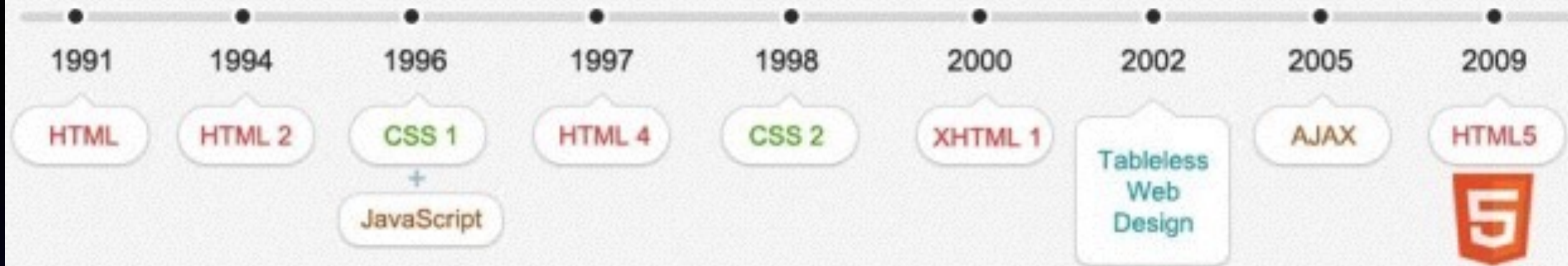
- Apply HTML tags `<html><head><!DOCTYPE html><body>` to a web page and experiment with html tags.
- Create and link an external style sheet.

History

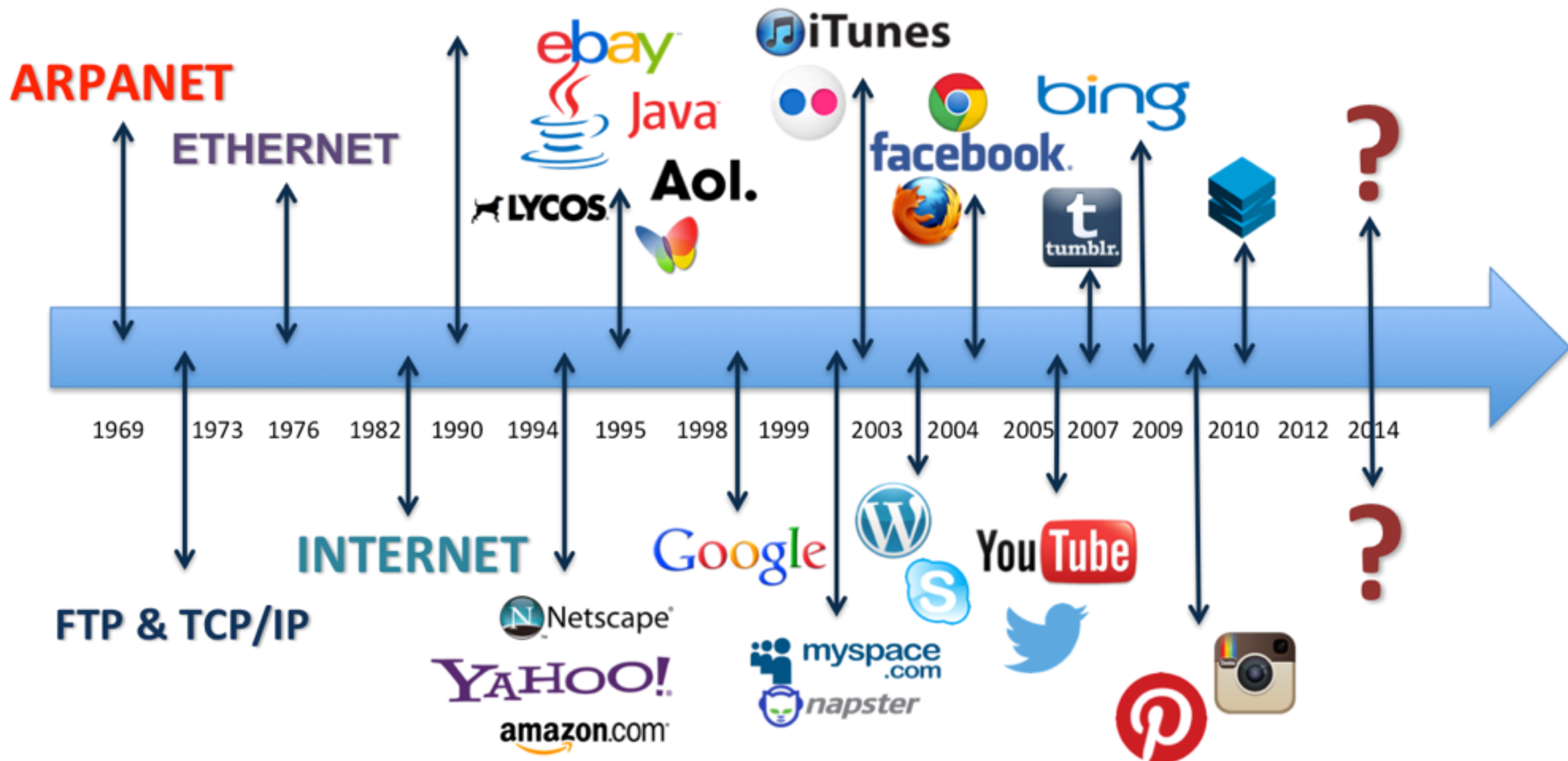


- HyperText Markup Language

Timeline of Web Technologies



WORLD-WIDE-WEB



Does this look familiar?

```
<!DOCTYPE html>
```

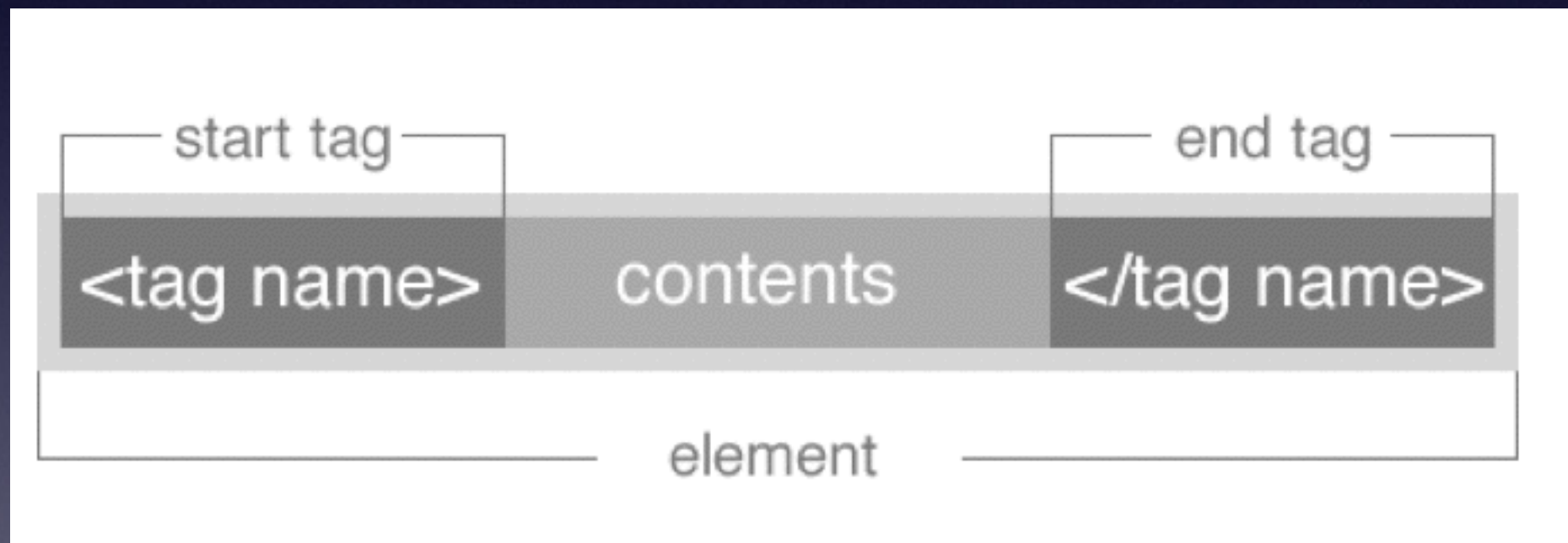
```
<html>
```

```
<head></head>
```

```
<body></body>
```

```
</html>
```


HTML Syntax



Tags

Tags describe the content

Tags

- h1, h2, h3, h4
- p, code, ul, li's
- `link`

Heading Tag

Heading Elements

`<h1>Largest Heading</h1>`

`<h2> . . . </h2>`

`<h3> . . . </h3>`

`<h4> . . . </h4>`

`<h5> . . . </h5>`

`<h6>Smallest Heading</h6>`

Text tags

Text Elements

`<p>This is a paragraph</p>`

`<code>This is some computer code</code>`

Formatted Text

```
<p>Here is a paragraph with  
<em>Emphasized</em>text and  
<strong>Important</strong> text.</p>
```


Unordered List

Unordered list

```
<ul>
```

```
<li>first item</li>
```

```
<li>second item</li>
```

```
<li>third item</li>
```

```
</ul>
```

Code Along

- Press Release
- mark up the GA press release document

Tag attributes

Attribute

- Provides additional information about the HTML element
- Class, ID
- Placed inside an opening tag, before the right angle bracket.

Value

- Value is the value assigned to a given attribute.
- Values must be contained inside quotation marks.

```
<div id="copyright">© 2016</div>
```

```

```

```
<a href="https://generalassemb.ly">GA</a>
```


Head and Body

```
<!DOCTYPE html>
```

```
<html>
```

```
<head></head>
```

```
<body></body>
```

```
</html>
```

Head Element

- Metadata is information about the data
- title - displayed in tab
- meta - keywords, description
- script - javascript
- style - inline styles
- link - tell client to include other documents

Other HTML elements

- html elements
- whitespace...<pre> - respects whitespace
- <!-- Comment goes here -->
- <hr /> - horizontal rule
- , < , >
- <cite></cite>
- <abbr> <acronym> <kbd> <var> <q>
<blockquote>

Add to PR

- Add meta tags to press release

add style

- `<style type="text/css">selector{ name:value; }</style>`

Selectors

- Pattern to apply style to an element
- example: `p` selector finds paragraph elements

External CSS

- `<link rel="stylesheet" href="" type="text/css" />`

Specifying property values

- keywords - thick, thin, larger
- measurements - in, pt, pc -> px
- color codes - red, blue, ...#rrbbgg...rgb(r,b,g)
- fonts - Helvetica

External css

- codealong

Lab Time

- Chocolate Chip Cookie Recipe

Review

- Html - structure and elements
- CSS - style, and external style sheets