

# Even More HTML5

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# Slides and Code Samples

[github.com/nolanerck  
even-more-html5-preso](https://github.com/nolanerck/even-more-html5-preso)



# Obligatory “About Me” Stuff

- Owner, Chief Consultant at South of Shasta
  - Software Development
- ColdFusion, C++, Java, jQuery, PHP, .NET, HTML5, Android, SQL, etc
- Manager, SacInteractive User Group
- Reformed Video Game Developer (Grim Fandango, SimPark, StarWars Rogue Squadron, etc)
- Music Junkie











I'M REAL PROUD OF MY  
RECORD COLLECTION





# Today's Agenda

- Basic HTML5 things
- New CSS items of use
- Replacements for jQuery
- ES6-ish JavaScript that works today
- But wait, there's more!
- Other Resources



# When people say "HTML5"

- Really means several things
- HTML tags
- CSS3 elements and features
- New JavaScript functionality
- Other related APIs and browser functionality
- All of which were recently / are being updated
- Still a bit of a moving target



So, <HTML> tags...



We *still* can't use all the form controls we were promised



But it's getting closer...



## HTML5 form features

- LS

Global

7.72% + 86.71% = 94.44%

Expanded form options, including things like date pickers, sliders, validation, placeholders and multiple file uploads. Previously known as "Web forms 2.0".

| IE | View mode: Usage relative | Firefox | Chrome | Safari | Opera | iOS Safari * | Opera Mini * | Android Browser * | Chrome for Android |
|----|---------------------------|---------|--------|--------|-------|--------------|--------------|-------------------|--------------------|
|    |                           | 55      | 60     | 10.1   |       | 10.2         |              | 4.4               |                    |
| 11 | 15                        | 56      | 61     | 11     | 47    | 11           | all          | 56                | 61                 |
|    | 16                        | 57      | 62     | TP     | 48    |              |              |                   |                    |
|    |                           | 58      | 63     |        | 49    |              |              |                   |                    |
|    |                           | 59      | 64     |        |       |              |              |                   |                    |

Notes Sub-features (13) Known issues (2) Resources (3) Feedback



# All of Today's Demos

- CanIUse.com says they all work on all major browsers
- I've tested on FireFox and Chrome OSX to cofirm
- Edge was marked as "full support"  
You can test that yourselves.



# New HTML5 Things That *Do* Work

1. Search input type
2. Email, telephone & URL input types
3. Data Lists
4. Form attribute for orphaned elements
5. Disabled Fieldset
6. Multiple File Selector
7. Allowed File Types



# CSS

1. Counter
2. Unset
3. 3D Transforms



# Replacements for jQuery

1. `getElementsByClassName`
2. `ChildNode.remove()`
3. `insertAdjacentElement`
4. `compareDocumentPosition`



# ES6-ish JavaScript that works in the browser

1. const keyword
2. let keyword
3. Classes
4. Arrow Functions
5. Note that I'm not running any processing, TypeScript, Babel, Gulp.watch, etc  
This is all native in the browser



## But Wait! There's More!

1. Page Visibility API
2. CSS Post Processing instead of LESS/SASS
3. display: flex
4. CSS Grid
5. Drag and Drop
6. WebGL:  
After The Flood:  
<https://playcanv.as/e/p/44MRmJRU/>



# Other Things to Note

- "But it doesn't work in IE!"  
Use Edge! (Or something else entirely.)
- Evergreen browsers - FireFox, Chrome, pretty much everybody
- Edge is still slower to push patches out, but better than IE was
- If you can avoid waiting for them, move on without them
- Everything we looked at is client-side  
Anything "validation" related still needs to be checked on the back-end!
- HTML5 isn't even done yet and some things are already deprecated!  
HGroup, cache.manifest files



# Other Resources

- South of Shasta Consulting
  - On-site and remote JavaScript and HTML classes
  - Training on "real world" development, consulting on hard problems, a fresh set of eyes, advice, etc
- CanIUse.com
- The Mega HTML5 Cheatsheet  
[medium.com/level-up-web/the-mega-html5-cheatsheet-e8c479b1c521](https://medium.com/level-up-web/the-mega-html5-cheatsheet-e8c479b1c521)
- developer.mozilla.org



# Questions? Comments?

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Thanks!

