ACCESSIBILITY (A11Y)

- Not all users have the same options

- ...and not always for reasons you'd consider

- Keyboard vs mouse vs touch

- colors vs shape & size
- text vs image
- screen size
- text size
- font legibility
- word choice
- shared computers
- other programs (PDF)

INTERNATIONALIZATION (I18N)

Also Localization (l10n)

- swap out text
    - translate in context?
    - pluralization!
    - who translates? (automatic == poor)
    - number, currency, date, times
    - names
    - left-to-right vs right-to-left (vs vertical)
- browsers provide language preferences to server
- what about text from services?

LICENSING

Berne Convention says:

- Most creative works are automatically protected

Most jurisdictions say:

- "derivative works" are protected

"no cost" does not mean "can be used in a derivative work"

- GPL (v2 vs v3)
- open source vs free source vs freely available
- BSD, Apache, MIT, various Creative Commons

OBFUSCATION

Obfuscation = hiding your code

Not very effective, never certain ...except at creating bugs and making debugging harder

All front-end code is fully exposed

OPTIMIZATION

School is always talking about optimization and efficiency

In real world:

- yeah, O(n^2) is generally bad
- otherwise dev time is in shorter supply
- "premature optimization is the root of all evil"
- Don't optimize until you have a problem
- Always benchmark before optimization changes

PAGINATION

A web page with many results?

- Show contents in "pages" of results
- often not page reloads

A service call with many results?

- Return "pages" of results
- service returns some "cursor" to indicate next set of results

VERSIONING

Semver is great

- what about service APIs?
- what about dependencies changing?
- what about being wrong about the impact of a change?
- what do you support?