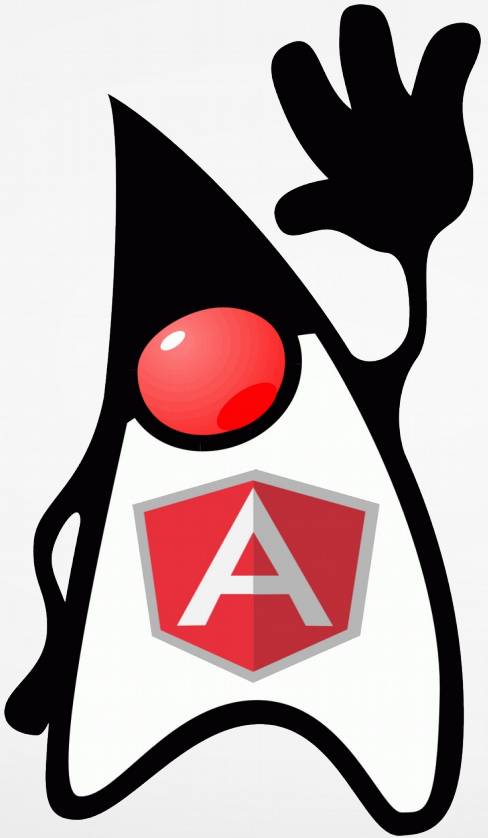
AngularJS



UI for Java apps?

Server-assisted MVC

Asynchronous web applications

Asynchronous web in Java?

Applets

vaadin }>

Web evolution

Web evolution

BACKBONE.JS

ember

Comparison

Metric	AngularJS	Backbone.js	Ember.js
Stars on Github	27.2k	18.8k	11k
Third-Party Modules	800 ngmodules	236 backplugs	21 emberaddons
StackOverflow Questions	49.5k	15.9k	11.2k
YouTube Results	~75k	~16k	~6k
GitHub Contributors	928	230	393
Chrome Extension Users	150k	7k	38.3k

Demos

Directives

- ngShow
- ngHide
- ngSwitch

- More: https://docs.angularjs.org/api/ng/directive/
- Even more: http://ngmodules.org/

Animations

- http://www.nganimate.org/angularjs/ng-repeat

Qdrin

- caching
- history API
- routing

Performance optimizations

- **One-time binding syntax {{ ::value }}**

  http://www.binpress.com/tutorial/speeding-up-angular-js-with-simple-optimizations/135

- **Object.observe() (Chrome36)**

  http://www.html5rocks.com/en/tutorials/es7/observe/

- **Don't use ng-directives**

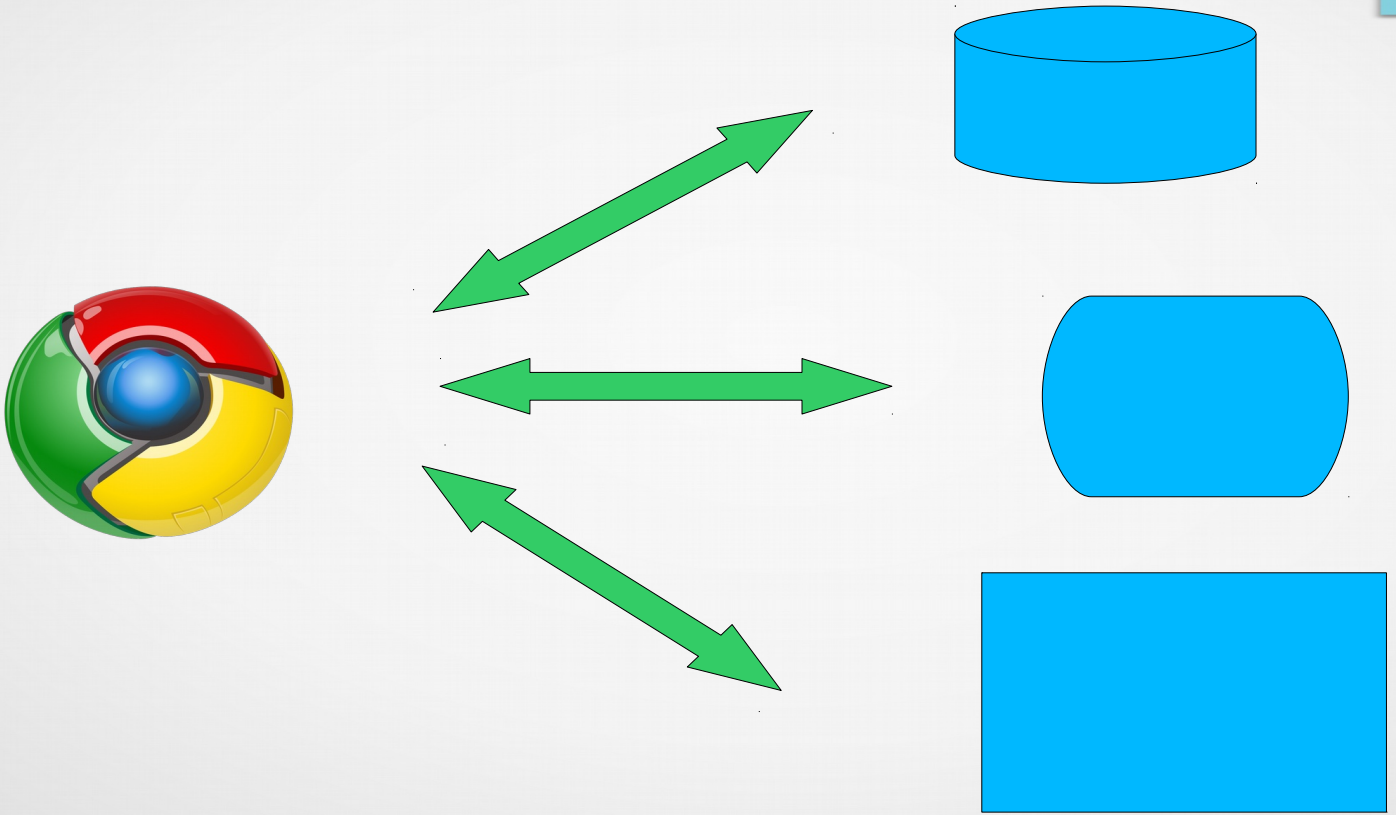
Future: WebComponents

- custom elements
- shadow DOM
- templates
- HTML imports

- AngularJS 2.0

SOFEA

Service Oriented Front-end Architecture



SOFEA

- Web Caching
- Stateful Client - Stateless Server
- Edge caching (CDN)
- No session timeouts and replication
- SOA compatible (www.programmableweb.com)

Links

- SOFEA, AJAX, Full-JAX and the Death of Half-JAX
- AngularJS
- Angular modules
- Qdrin
- Web Components

Questions