State of Angular

Jeremy Zerr

Andrew Chumich

Blog: http://www.jeremyzerr.com
http://www.linkedin.com/in/jrzerr
http://www.twitter.com/jrzerr

http://www.linkedin.com/in/andrewchumich
http://www.twitter.com/andrewchumich

State of Angular

- ☐ **Insights from attending ng-conf 2016 in Salt Lake City**

- ☐ **Angular 2 trends & a couple favorite features**

- ☐ **New & exciting projects in the Angular 2 ecosystem**

Angular 2

- [ ] **The only thing that has changed is everything (TM Apple)**

New Site

angularjs.org -> angular.io

New Name

AngularJS -> Angular

New Logo

Angular 2

- [ ] **We all know $scope is dead, we saw lots of tombstones**

- [ ] **Most people are going to write Angular 2 in TypeScript**

- [ ] **Lots of presenters were using the Visual Studio Code Editor**

- [ ] **No date mentioned for official release**

Angular 2
View Encapsulation

- ☐ The Shadow DOM allows us to encapsulate DOM & styles when we use Web Components

- ☐ Some browsers don't support it all the way, luckily we have View Encapsulation

- ☐ 3 Settings

  - ☐ Native - uses Shadow DOM

  - ☐ None - just like we use now, global styles, no Shadow DOM

  - ☐ Emulated - default, class names dynamically renamed

Angular 2
View Encapsulation Emulated

```
@Component({
  selector: 'my-app',
  encapsulation: ViewEncapsulation.Emulated,
  styles: [`
    .test {
      padding: 10px;
    }
  `],
  template: `
    <div class="test">
      <div>
        Title:
      </div>
      <input type="text" [(ngModel)]="title">
    </div>
  `
})
export class AppComponent {
  public title = 'Hello!';
}
```

```
<body>
  <div class="test">Test!</div>
  <my-app _nghost-cmy-1="">
    <div _ngcontent-cmy-1="" class="test">
      <div _ngcontent-cmy-1="">
        Title: Hello!
      </div>
      <input _ngcontent-cmy-1="" type="text" class="ng-untouched
    </div>
  </my-app>
</body>
```

```
.test[_ngcontent-cmy-1] {
  padding: 10px;
}
.test {
  background: green;
}
```

Angular 2 + RxJS

- ☐ Brings full featured "Observables" into Angular 2

- ☐ Alternative to using Promises in lots of cases

- ☐ http.get now returns an Observable (but can be converted back to a Promise)

- ☐ Allows us to optimize component change detection by using ON_PUSH

Things I'm Most Excited About

- ☐ NativeScript (think React Native but for JS/Angular 2)

- ☐ Angular CLI

NativeScript

- ☐ Hybrid mobile apps using native UI components instead of WebView container like Ionic

- ☐ This is just like React Native, your Javascript runs in a Javascript VM and calls a Javascript API to interact with native code and UI components

- ☐ So you get Native UI performance with sharing domain logic code between web and mobile

- ☐ Sponsored by Telerik, link to NativeScript site

- ☐ Works with plain JS of course, but integrates with Angular 2

Angular CLI

- [ ] Yes, we finally have a command line interface to launch and grow Angular projects

- [ ] ng new projectname

- [ ] ng serve

- [ ] ng generate component componentname

- [ ] ng generate route routename

- [ ] ng build

- [ ] Supports TypeScript only (for now)

- [ ] <u>Github link</u>

Other Projects

☐ Angular 1 still has a team behind it, it's what led to 1.5 & the upgrade

☐ Batarangle is now Augury (still made by Rangle.io)

☐ Zones (hook into asynchronous tasks & change detection)

☐ Progressive Web Apps (think offline-capable, initial load speed)

☐ Ionic v2

☐ Angular Universal (server side rendering)

☐ Angular Material (not quite ready yet)

Thanks!

Jeremy Zerr

Andrew Chumich

Blog: http://www.jeremyzerr.com
http://www.linkedin.com/in/jrzerr
http://www.twitter.com/jrzerr

http://www.linkedin.com/in/andrewchumich
http://www.twitter.com/andrewchumich