



**MOBILE APPS WITH THE WEB**

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**BEFORE WE JUMP  
INTO THINGS...**

# IONIC V1!

SDK for Developing Hybrid Apps

Focused on mobile apps first

Sass for easy customization

Angular for code structure

# EMPOWERED DEVELOPERS EVERYWHERE

Web Developers could now  
participate in making apps!

# THE STATS

34th most popular OSS project  
(24,000+ stars on GitHub)

Meetup Groups around the world

Ionic apps top app store charts

Used everywhere from Fortune 50 co's to  
YC/TechStars companies

**WAIT, THIS WHOLE  
"WEB THING" AGAIN?**

*WE TRIED THIS  
BEFORE AND WERE  
NOT IMPRESSED*

*JS => NATIVE*

*FALL BACK TO  
NATIVE*



**BUT THE WEB HAS GOTTEN  
A LOT BETTER**



# IONIC 2

Pushing whats possible with the web

# V2 GOALS

Simplicity

Navigation

Tooling

Make NG2 Easy

# SIMPLICITY

Make it easy to understand HTML

# CLASSES

```
<a class="button button-positive"></a>  
<button type="button" class="btn btn-default"></button>  
<a class="small expanded button" href="#"></a>
```

```
<div class="btn-group" role="group" aria-label="...">
  <button type="button" class="btn btn-default">1</button>
  <button type="button" class="btn btn-default">2</button>

  <div class="btn-group" role="group">
    <button type="button" class="btn btn-default dropdown-toggle" data-t
      Dropdown
      <span class="caret"></span>
    </button>
    <ul class="dropdown-menu">
      <li><a href="#">Dropdown link</a></li>
      <li><a href="#">Dropdown link</a></li>
    </ul>
  </div>
</div>
```

**CSS CLASSES CAN GET  
COMPLEX AND CLUTTERED**

# JUST USE RAW ELEMENTS

Easier to understand and less clutter



# THE STYLES DON'T CHANGE

```
<ion-list>
  <ion-list-header>
    Action
  </ion-list-header>
  <ion-item>Terminator II</ion-item>
  <ion-item>The Empire Strikes Back</ion-item>
  <ion-item>Blade Runner</ion-item>
</ion-list>
```

but the markup becomes much clearer

# EQUALLY EASY TO STYLE AND EXTEND

```
ion-avatar{  
  border-radius: 30px;  
}  
ion-card{  
  width: 80%;  
}
```

# NAVIGATION

More robust and powerful

*I NEED TO OPEN A  
MODAL, THEN  
NAVIGATE TO A  
SUBVIEW*

*I WANT TO CREATE  
A SUBVIEW IN A  
SIDEMENU*

# V1'S ROUTING

```
.config(function($stateProvider){
  $stateProvider
    .state('firstpage', {
      url: '/firstpage',
      templateUrl: 'firstpage.html'
    })
    .state('secondpage', {
      url: '/secondpage',
      templateUrl: 'secondpage.html'
    })
    .state('thirdpage', {
      url: '/thirdpage/:id',
      templateUrl: 'thirdpage.html'
    });
});
```

UI-Router

# DOESN'T GIVE THE FLEXIBILITY YOU WANT

Navigation: user experience

URLs don't offer that

Developers **NEED** to be in control

# PUSH/POP/PARAMS

```
import SecondPage from '../secondpage';  
export class FirstPage {  
  constructor(  
    public nav: NavController) {};  
  pushState() {  
    this.nav.push(SecondPage)  
  };  
};
```



# FULL CONTROL

Push pages on to the nav stack

Pop pages off the nav stack

Insert/Remove/Update

Create app history from nothing

Update the URL as an option



# TOOLING FOR EVERYONE

Building apps with new standards

# JAVASCRIPT HAS CHANGED

ES6 brings many new features

Typescript builds on top of that

Tooling that IDEs can hook into

All of this, helping you to develop faster

# ES6

Modular: Import what you need & and gets rid of globals

Scoping: **let** defines a block-scoped variable

Promises: Built into the language natively

Classes: Simpler syntax for building objects

# TYPESCRIPT

ES6 + Decorators + Types

Ionic 2 and NG2 built using TS

Optional Types for stricter coding

Code completion in your editor

*ALL THESE NEW  
FEATURES....*

*BUT HOW DO I START?*

**DON'T WORRY, IONIC'S  
GOT YOUR BACK!**

Ionic provides a TypeScript setup

You can just focus on writing your app

A build system handles everything else!

It *"just works"*<sup>TM</sup>

# SETUP

```
$ NPM INSTALL -G IONIC@BETA
```

```
$ IONIC START MYAPP --V2
```

```
$ CD MYAPP
```

```
$ IONIC SERVE
```



# FINAL MESSAGE

Ionic 2 is really pushing what  
we can do with the web

The future is looking great for web and  
web technologies

Always bet on the web

**THANK YOU!**

**</HTML>**

**SAMPLE APP**

**IONIC.IO/2**

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