

Ionic 으로 모바일 앱 만들기

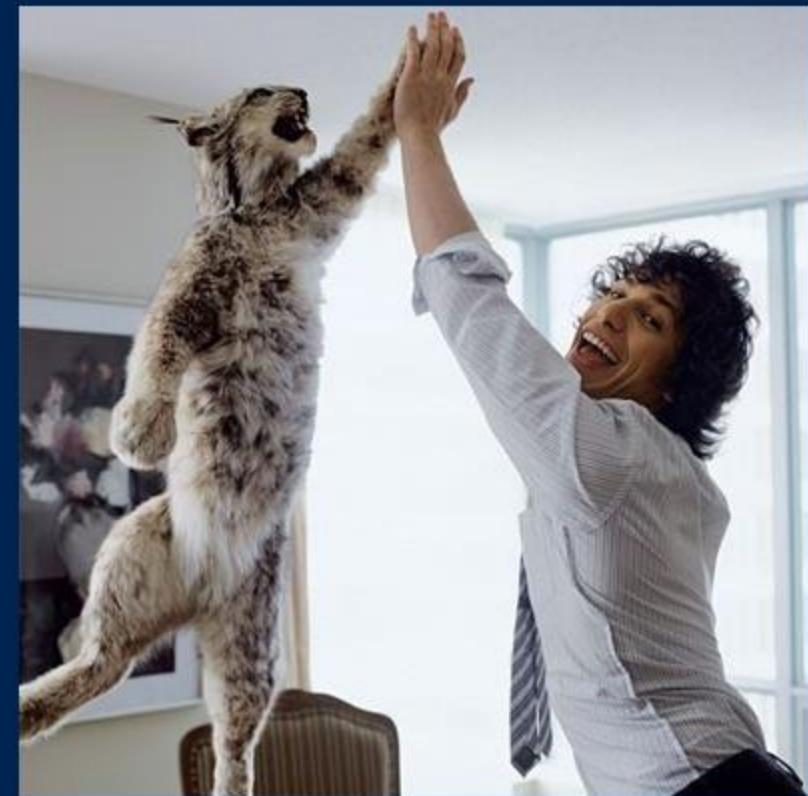
#1. Ionic



ABCD, 스노우키위 한성일

코스

1. ABCD 소개
2. 모바일 앱 종류
3. Node.js, Angular.js, Cordova, Ionic
4. Ionic 설정
5. 기본 템플릿
6. Hello Ionic



1. ABCD 소개

A B C D

아이스 브레이킹



I AM

2. 준비

에디터 설치

1

http://brackets.io/



2

다운로드

Download Brackets 1.2
+ Extract (Preview) by Adobe

You can use Code Hints to extract PSD Layers

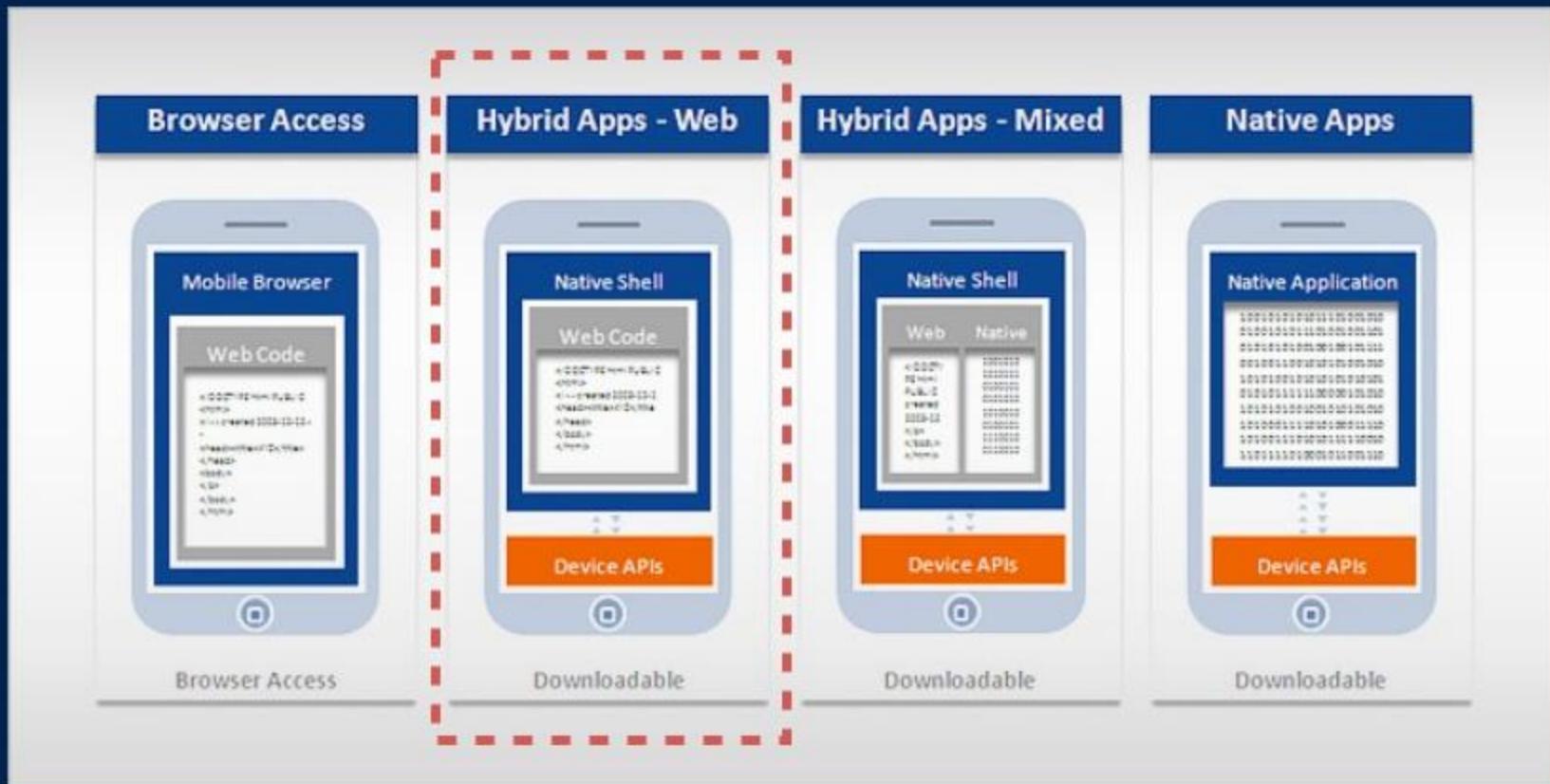
Brackets is fun to hack on and easy to contribute to.

Edit with ▾ and JavaScript, the Brackets project is a contributing section of the Open Source Project. Everyone is invited to experiment with new ideas for web editing.

2. 모바일 앱 종류



모바일 앱 종류



Web APP

모바일 브라우저에서 구동

모바일 형태로 구현된 웹페이지
일반적인 m.* 으로 시작됨



반응형 웹

화면을 줄이면 모바일형태로 변경

Native APP

일반적인 스마트폰 앱



Hybrid APP

웹기술을 이용하여 네이티브 기능 호출

<http://showcase.ionicframework.com/>

HTML **CSS**

Carrier 11:18 AM jakehsu

168 favorites 10 shares 3 followers 4 following Edit Profile

Favorites

You Probably Ain't Craig Campbell 1

See You Tonight Scotty McCreery 1

You Probably Ain't Craig Campbell X

Find similar songs Buy on iTunes

II

Style Feeds Saved Brands Settings

Carrier 20:17 MALLZEE

NEW IN >

NEW IN STYLES boohooMAN

특징 비교

	Device Access	Speed	Development Cost	App store	Approval Process
Native	Full	Very fast	Expensive	Available	Mandatory
Hybrid	Full	Native Speed as Necessary	Reasonable	Available	Low Overhead
Web	Partial	Fast	Reasonable	Not available	None

3. Nodejs, Angularjs, Cordova Ionic



Ionic은?



<http://ionicframework.com/>

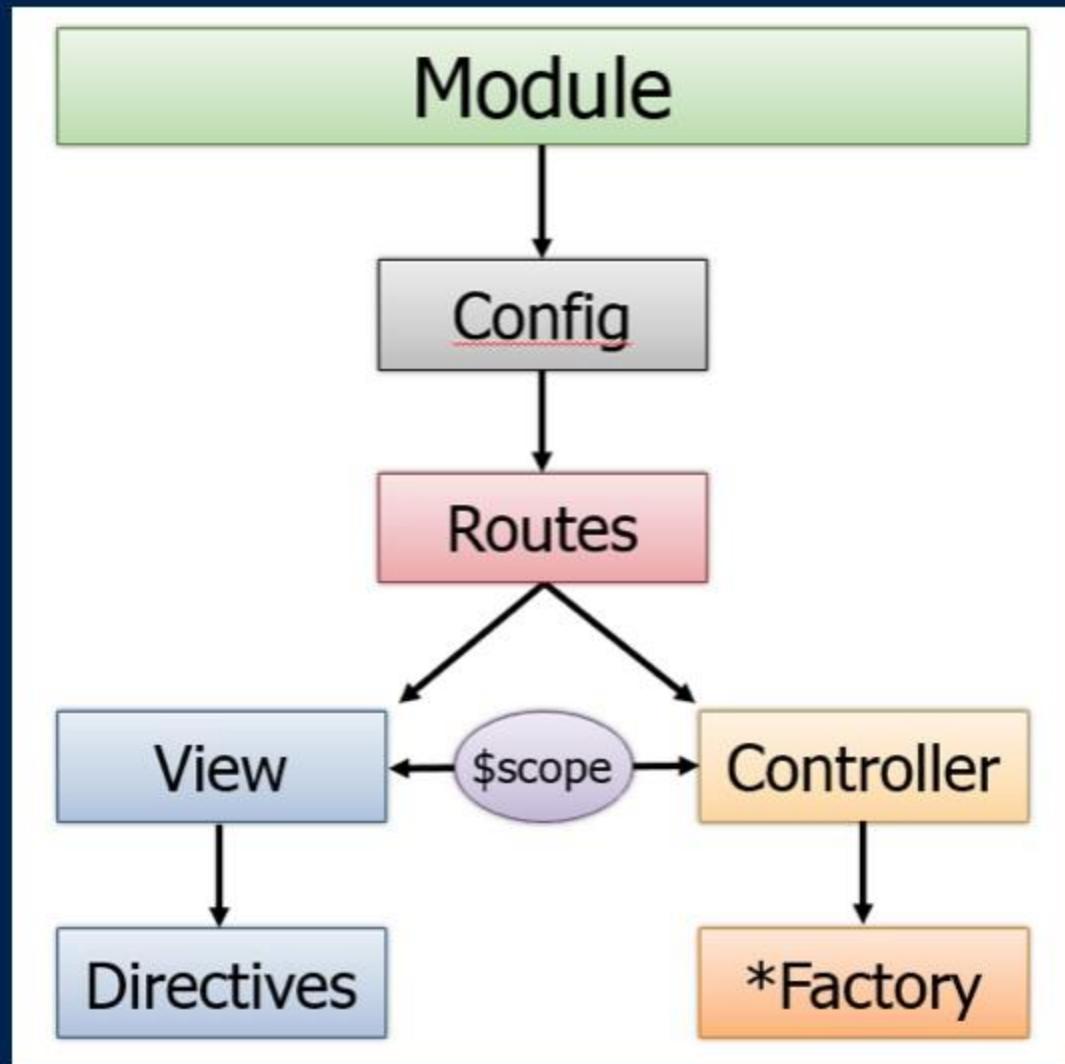
Nodejs 와 Angularjs 를 이용하여 하이브리드 앱 제작에
필요한 다양한 기능들을 제공함

기기를 이용하는 부분은 CORDOVA 를 랩핑해서 사용함

ANGULARJS

1. Scope
2. Model
3. View
4. Controller
5. Directives

자바스크립트를
MVC로 활용
간단한 데이터 바인딩
직관적인 소스
다양한 기능의 프레임워크

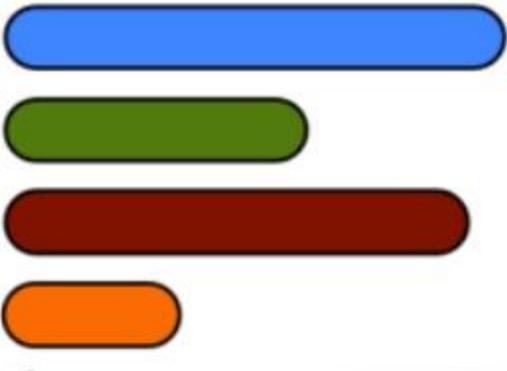


nodejs

Synchronous

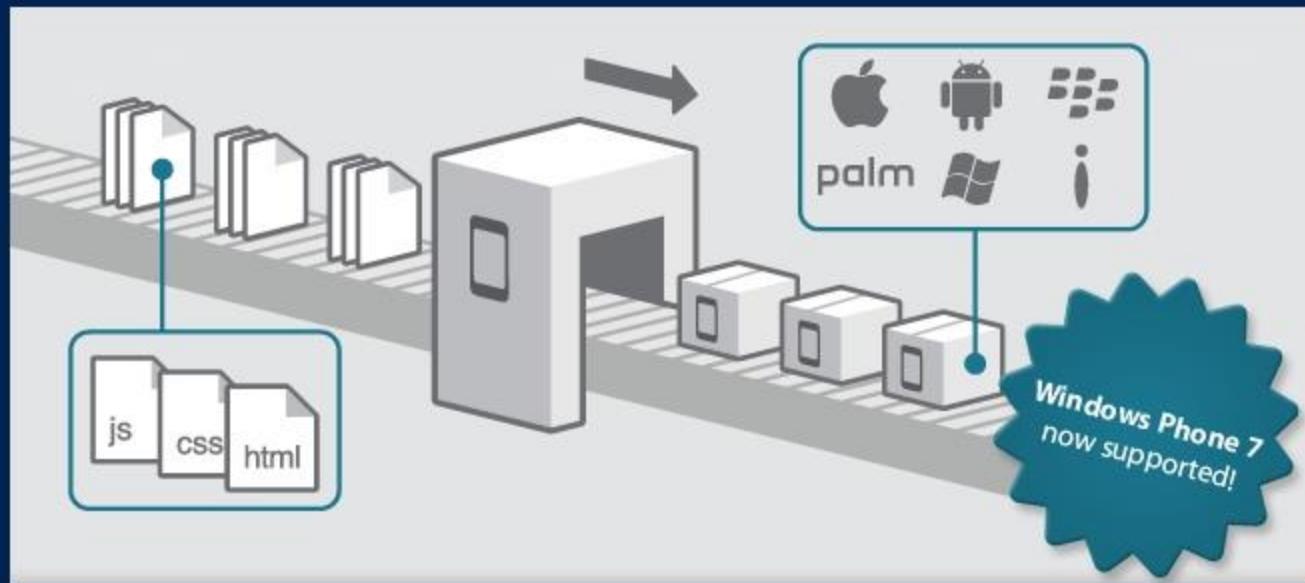


Asynchronous



Pageload Time

CORDOVA



3. Ionic 설정

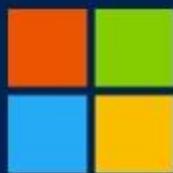
주의



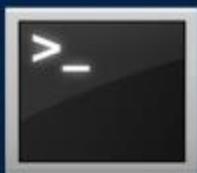
맥과 윈도우의 설정 화면이 다르므로
상단의 마크를 확인해주세요



OSX



WINDOW

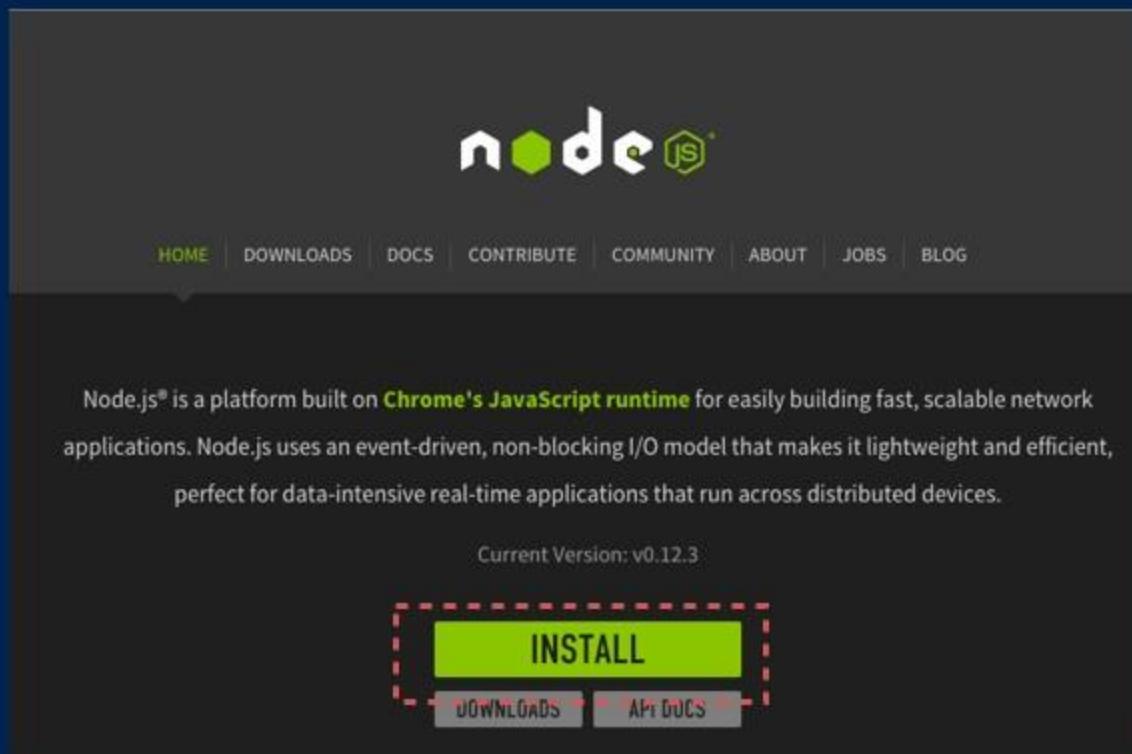


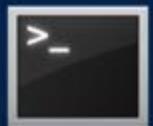
CONSOLE
OSX : 터미널
Window : cmd

Nodejs 설치 1

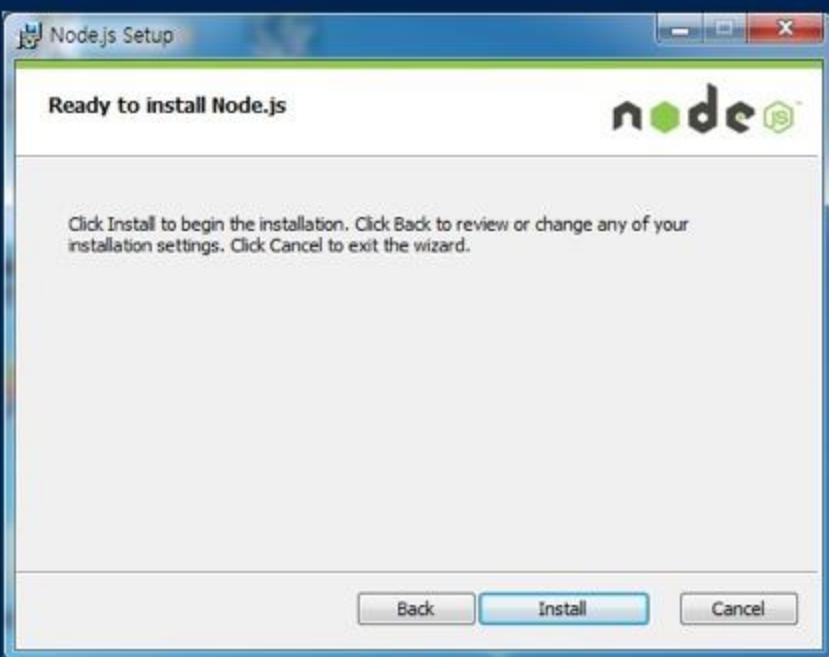
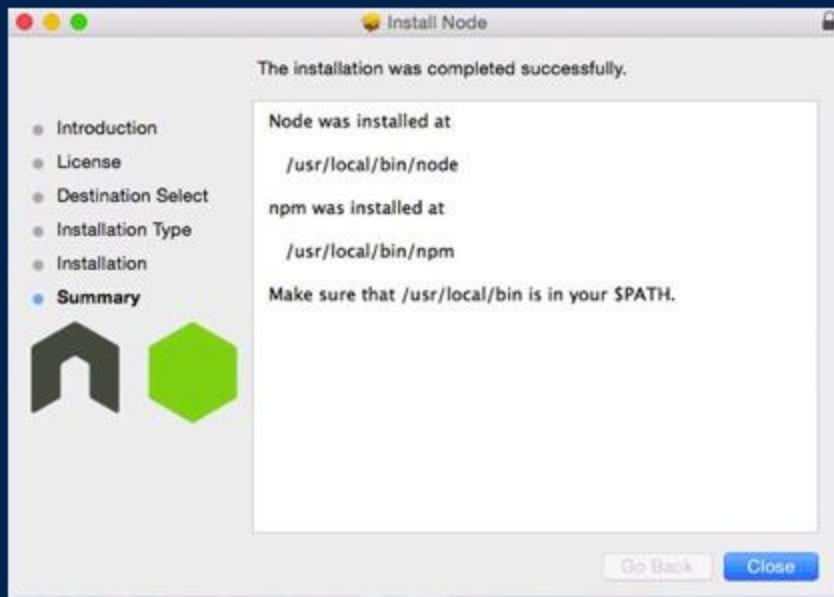
1

<https://nodejs.org/>





Nodejs 설치 2



2 설치 완료

```
$ node
> console.log('hello node');
hello node
undefined
> process.exit(1);
```



작업폴더 설정

프로그램 및 파일 검색
cmd



```
c:\>mkdir c:\ionic-space  
c:\>cd c:\ionic-space
```



작업폴더 설정 (맥)

1

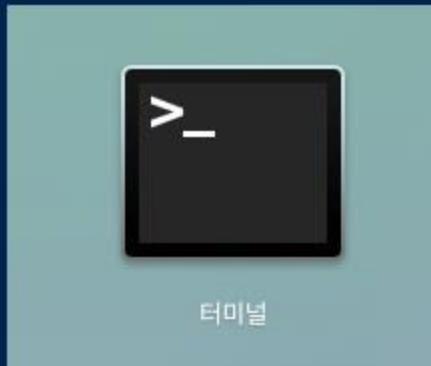


2

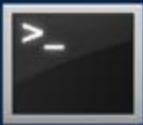


```
$ mkdir ~/Documents/ionic-space  
$ cd ~/Documents/ionic-space
```

3



터미널



Cordova 설치

npm : nodejs package manager

3

\$ sudo npm install -g cordova

> npm install -g cordova



\$ > 두가지 명령어가 다있다면
\$ 로 시작하는 명령어는 맥에서
> 로 시작하는 명령어는 윈도우에서 실행합니다.



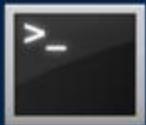
Ionic 설치

4

\$ sudo npm install -g ionic

> npm install -g ionic





프로젝트 생성

5

\$ ionic start firstApp

```
Create an ionic.io account to use the Ionic View app and other features?  
(Y/n): +-----+  
+ New Ionic Updates for May 2015  
+  
+ The View App just landed. Preview your apps on any device  
+ http://view.ionic.io  
+  
+ Invite anyone to preview and test your app  
+ ionic share EMAIL  
+  
+ Generate splash screens and icons with ionic resource  
+ http://ionicframework.com/blog/automating-icons-and-splash-screens/  
+-----+
```

여기까지 오셨으면 프로젝트 설정이 완료입니다.

Ionic.io 가입

6

회원가입



Create your account

Get up and running with Ionic in no time.

Your Name

Username

Email

Password

By signing up you agree to the Ionic.io [Terms of Service](#).

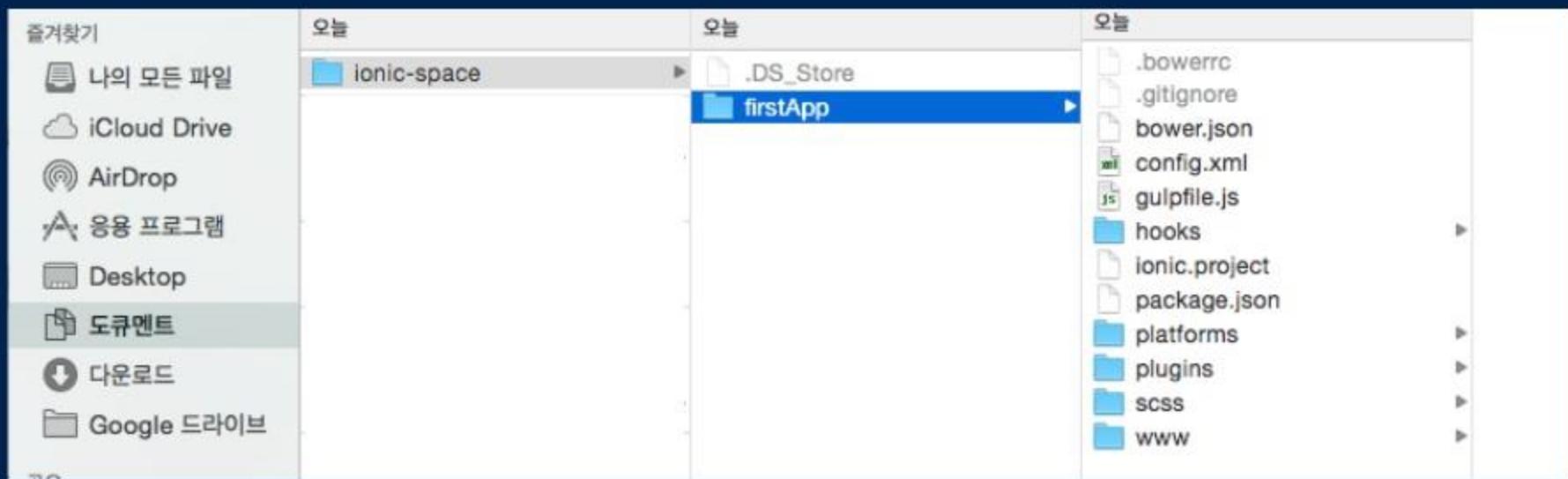
[SIGN UP](#)

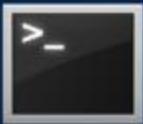
Already have an account? [Log in](#).

Ionic 설치

7

firstApp 프로젝트 생성 확인 (윈도우 c:\ionic-space)





Platform

8

에뮬레이터 설정 (IOS, Android)

```
$ cd firstApp // 생성된 프로젝트 경로로 이동
```

```
$ ionic platform add ios // 아이폰 설정  
$ sudo npm install -g ios-sim
```

```
$ ionic platform add android // 안드로이드
```

여기서 잠깐



안드로이드 에뮬레이터를 실행 하시려면 안드로이드 SDK를
아이폰 에뮬레이터를 실행하시려면 XCODE가 필요합니다.
윈도우에서는 XCODE를 설치 할 수 없어 아이폰 개발이 불가능 하며
에뮬레이터도 실행 할 수 없습니다.



XCODE는 맥 앱스토어에서 설치하세요
!! 앞장에 ios-sim XCODE가 설치되어있어야 설치됩니다.

안드로이드는 다음에서 Android Studio 를 다운로드 해서 설치합니다.

<https://developer.android.com/sdk/index.html>

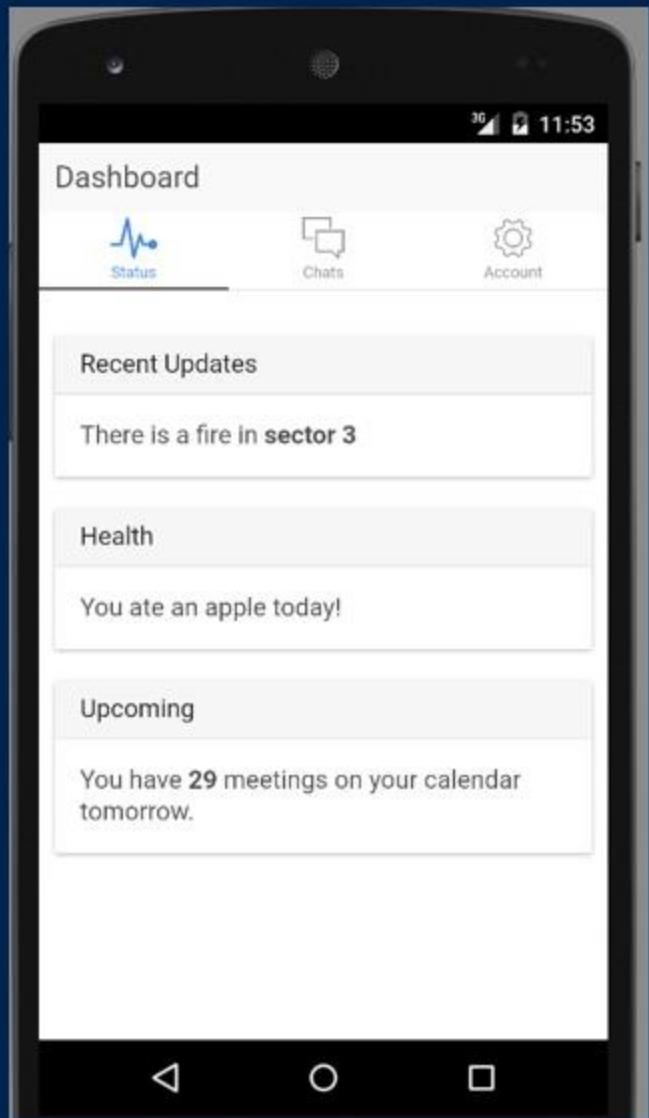


!! 중간에 JDK 설치가 필요하다는
문구가 나오면 설치해줍니다.

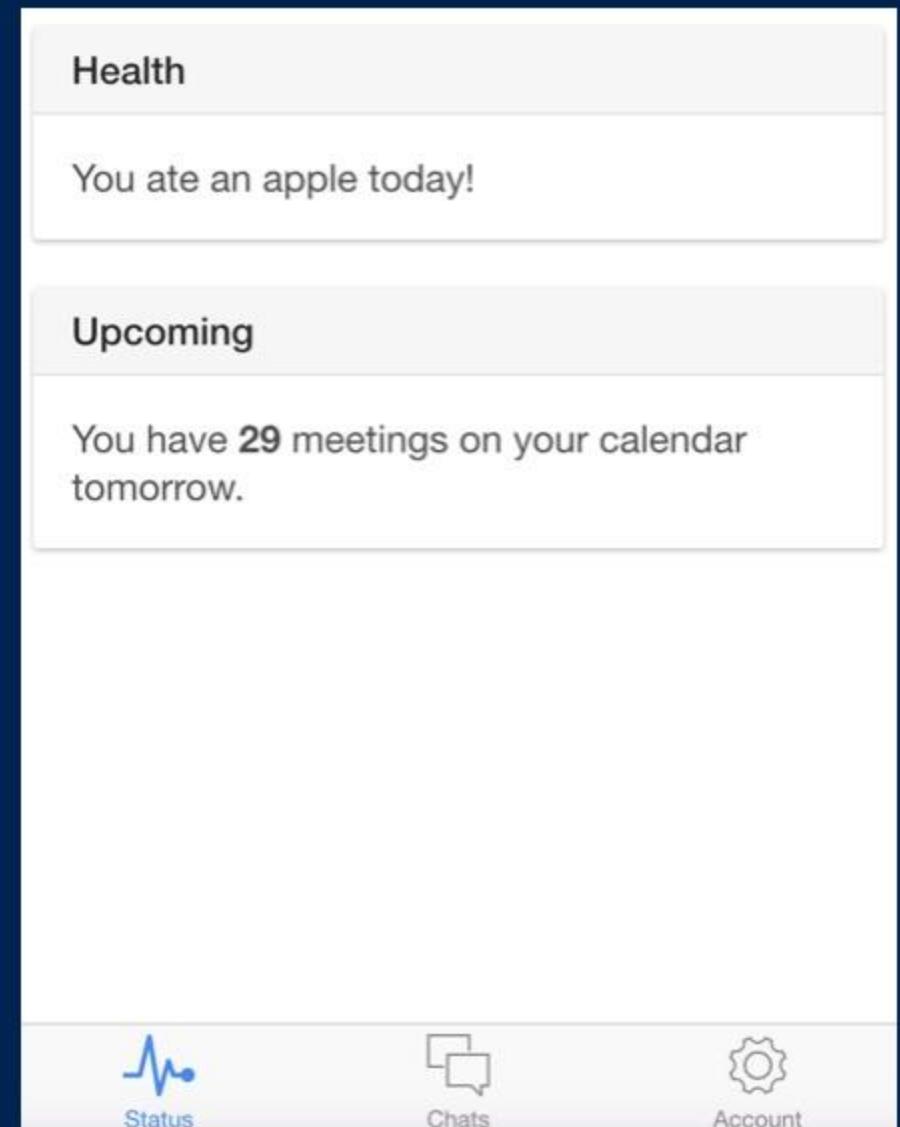
에뮬레이터 실행

9

\$ ionic emulate android



\$ ionic emulate ios





Platform list

설치 가능한 플랫폼 리스트를 보여줍니다.

```
$ cordova platform list
```

브라켓 작업 폴더 설정

1

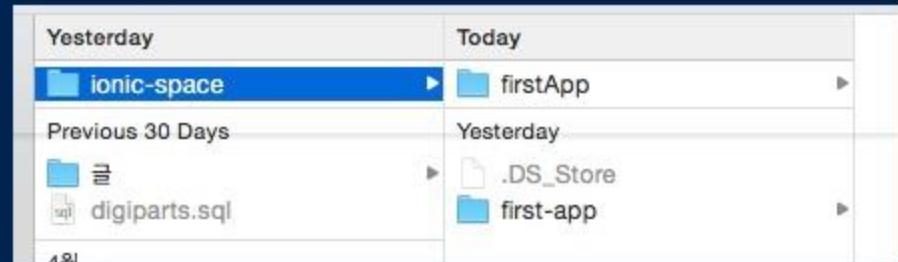
폴더열기

The screenshot shows the Brackets IDE interface. On the left, there's a file tree with files like 'useum.php', 'a.html', '제목없음-2', '제목없음-3', 'ionic.project', 'index.html', 'controllers.js', 'bower.json', 'ann is', 'abcd', and a folder named '폴더 열기...'. Below the file tree, there are two recent project entries: '작업 - /Users/jamie/Downloads' and 'flask-space - /Users/jamie/Documents'. At the bottom, there's a file named 's3.php'. The main workspace shows some code related to Angular controllers.

```
angular.  
  .control  
    .control  
      $scope  
      $scope  
      Chat  
    }  
  })  
  .control  
    $scope  
  })  
  .control  
    $scope  
    enab  
  };  
});
```

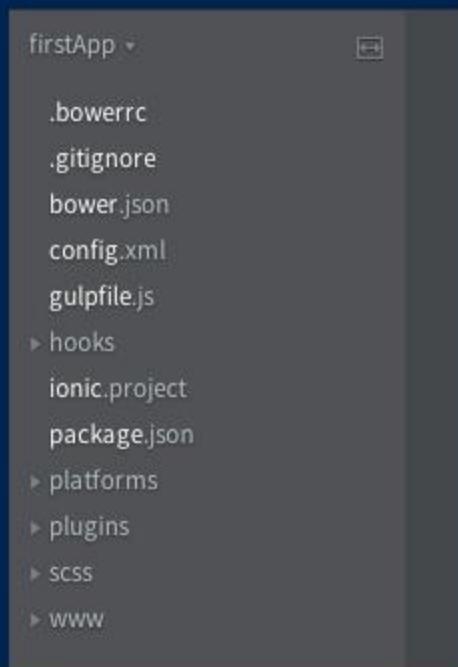
2

프로젝트 폴더 선택



3

프로젝트 리스트



4. 기본템플릿

blank

```
$ cd ..  
$ ionic start blankApp blank  
$ cd blankApp  
$ ionic serve
```



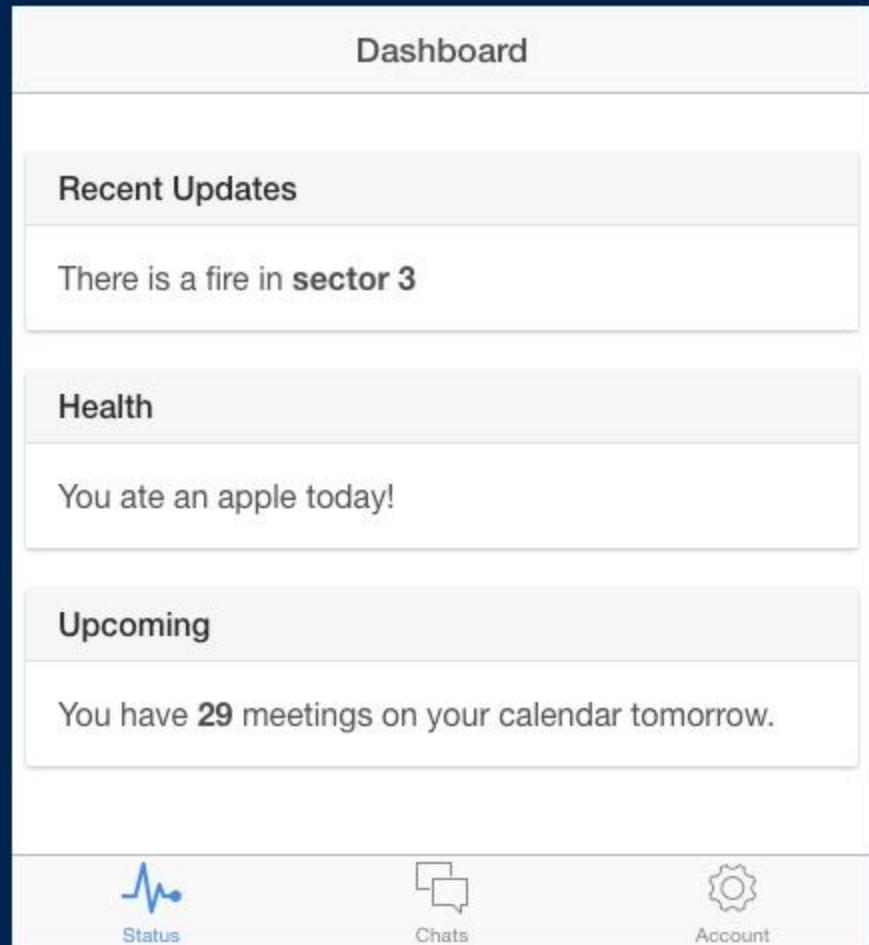
sidemenu

```
$ cd ..  
$ ionic start sidemenuApp sidemenu  
$ cd seidmenuApp  
$ ionic serve
```

Left	≡
Login	Reggae
Search	Chill
Browse	Dubstep
Playlists	Indie
	Rap
	Cowbell

tabs

```
$ cd ..  
$ ionic start tabsApp tabs  
$ cd tabsApp  
$ ionic serve
```



5. Hello Ionic

Hello Ionic

```
$ cd ..  
$ cd firstApp  
$ ionic serve
```

Dashboard

Recent Updates

There is a fire in **sector 3**

Health

You ate an apple today!

Upcoming

You have **29** meetings on your calendar tomorrow.

Status Chats Account

Hello Ionic

firstApp

.bowerrc

.gitignore

bower.json

config.xml

gulpfile.js

hooks

ionic.project

package.json

SCSS

www

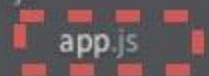
CSS

style.css

img

index.html

js



app.js

controllers.js

services.js

lib

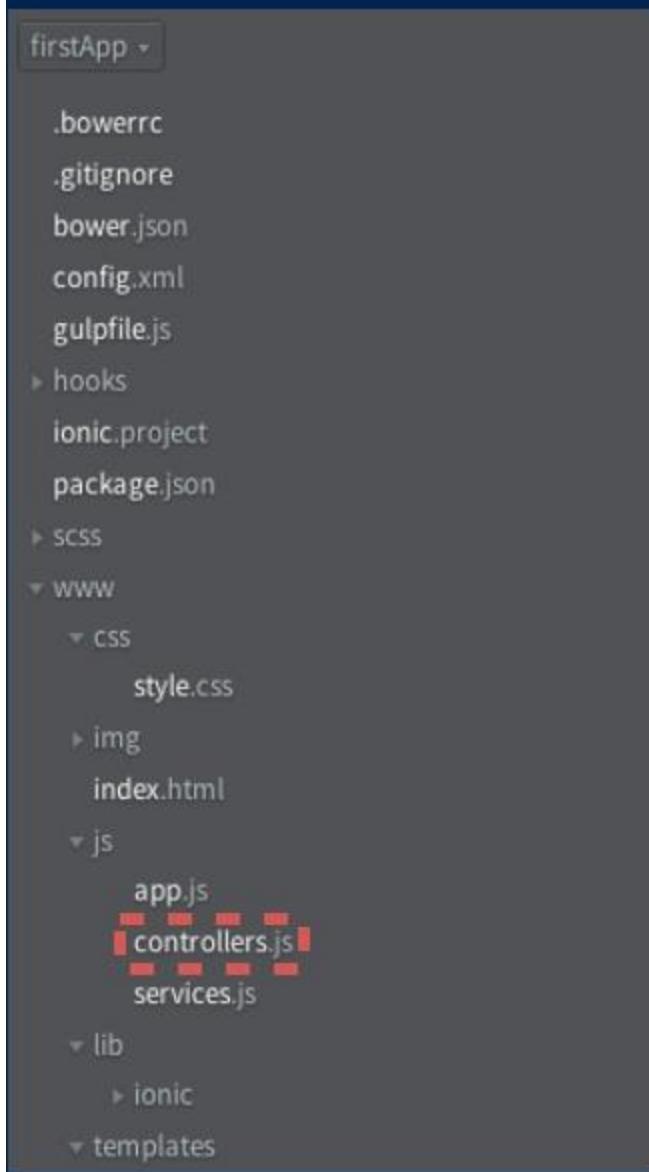
ionic

templates

firstApp/www/app.js 에 추가

```
.state('tab.hello', {  
  url: '/hello',  
  views: {  
    'tab-hello': {  
      templateUrl: 'templates/tab-hello.html',  
      controller: 'HelloCtrl'  
    }  
  }  
})
```

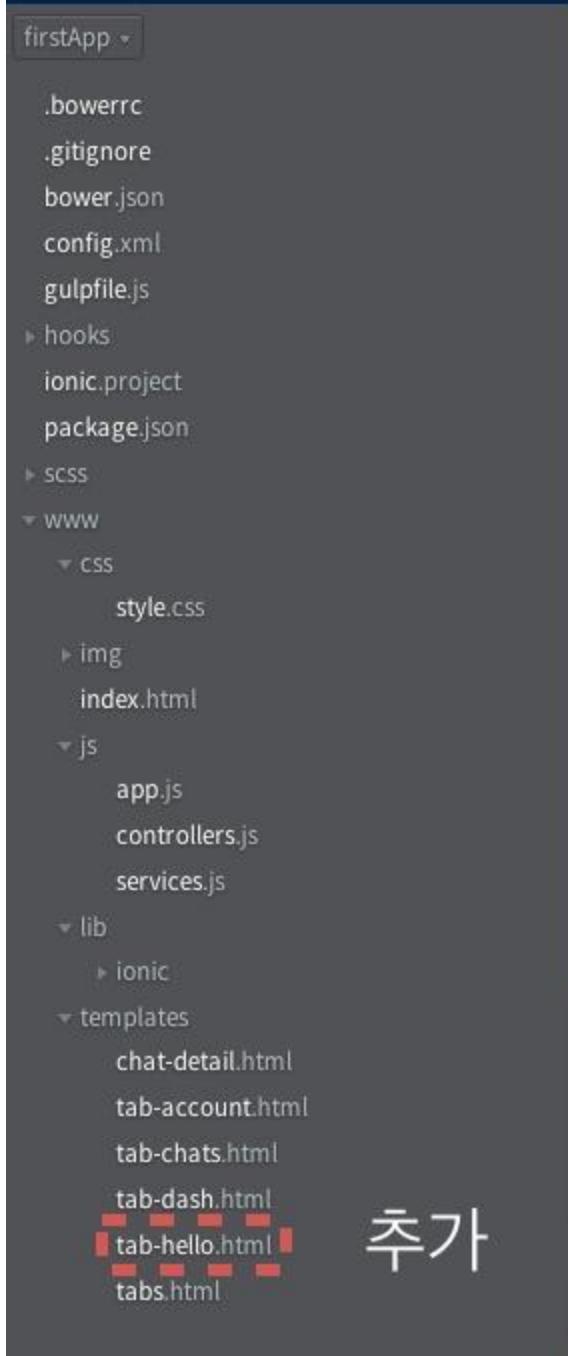
Hello Ionic



firstApp/www/controllers.js 에 다음라인 추가

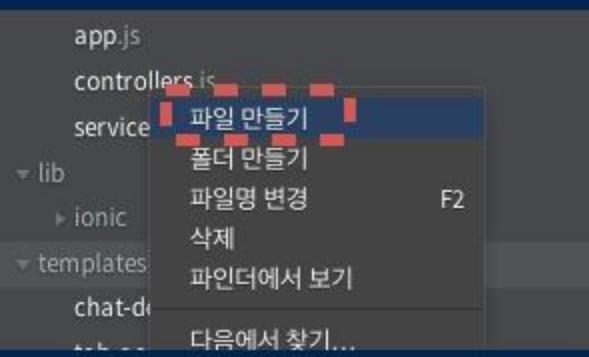
```
.controller('HelloCtrl', function($scope) {})
```

Hello Ionic



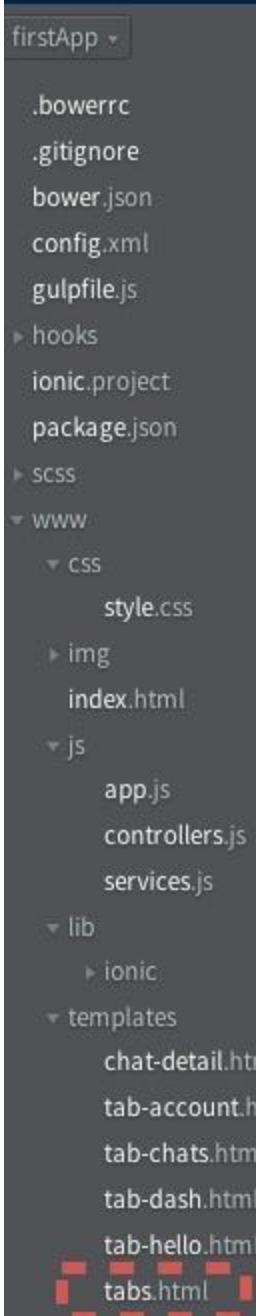
firstApp/templates/tab-hello.html
파일 생성 후 추가

```
<ion-view view-title="Hello">
  <ion-content>
    안녕 아이오닉
  </ion-content>
</ion-view>
```



templates 폴더에서
오른쪽 버튼

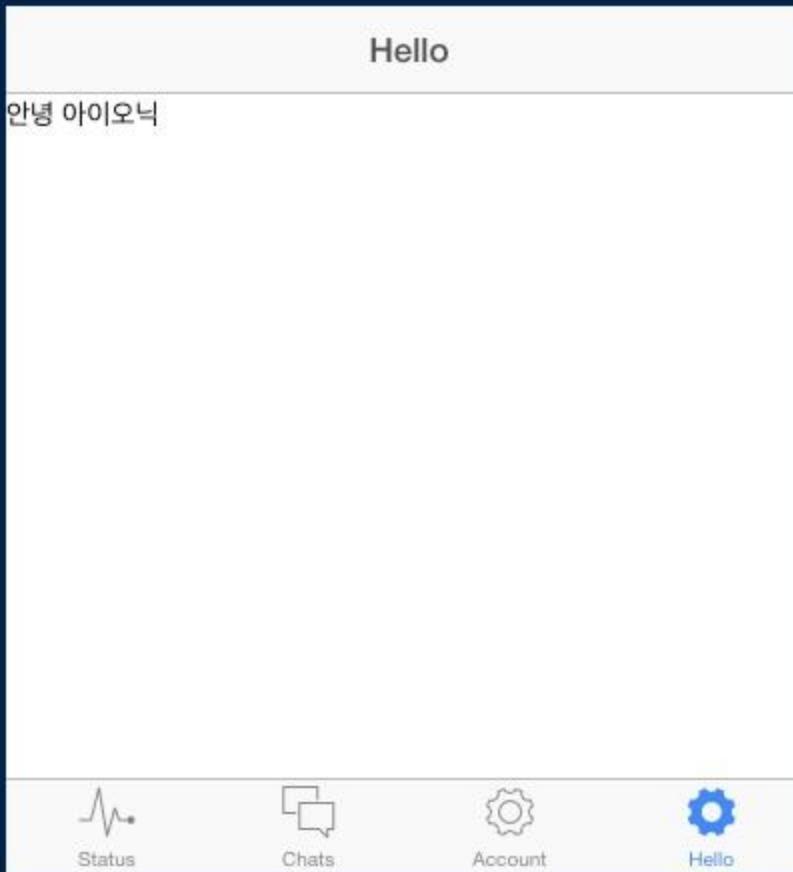
Hello Ionic



firstApp/templates/tabs.html
Hello Tab 추가

```
<!-- Hello Tab -->
<ion-tab title="Hello" icon-off="ion-ios-gear-outline"
  icon-on="ion-ios-gear" href="#/tab/hello">
  <ion-nav-view name="tab-hello"></ion-nav-view>
</ion-tab>
```

Hello Ionic





수고하셨습니다. :)

ABCD

<http://abcds.kr>

<https://www.facebook.com/groups/562787713823026/>

한성일

<https://www.facebook.com/jamie.han.16>

iheart79@gmail.com

Ionic 으로 모바일 앱 만들기

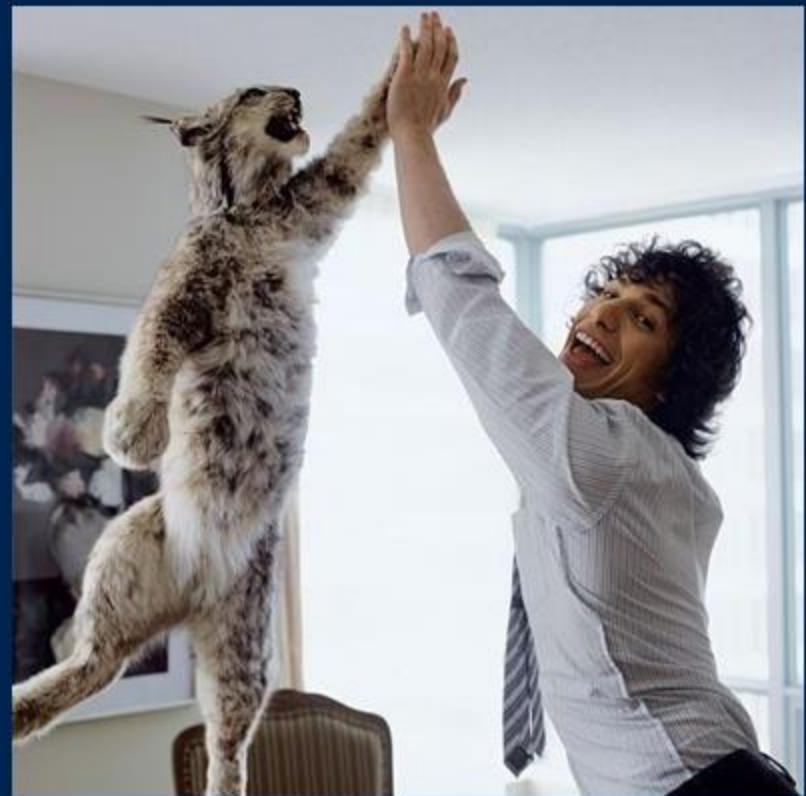
#2. MVC, Component(css)



ABCD, 스노우키위 한성일

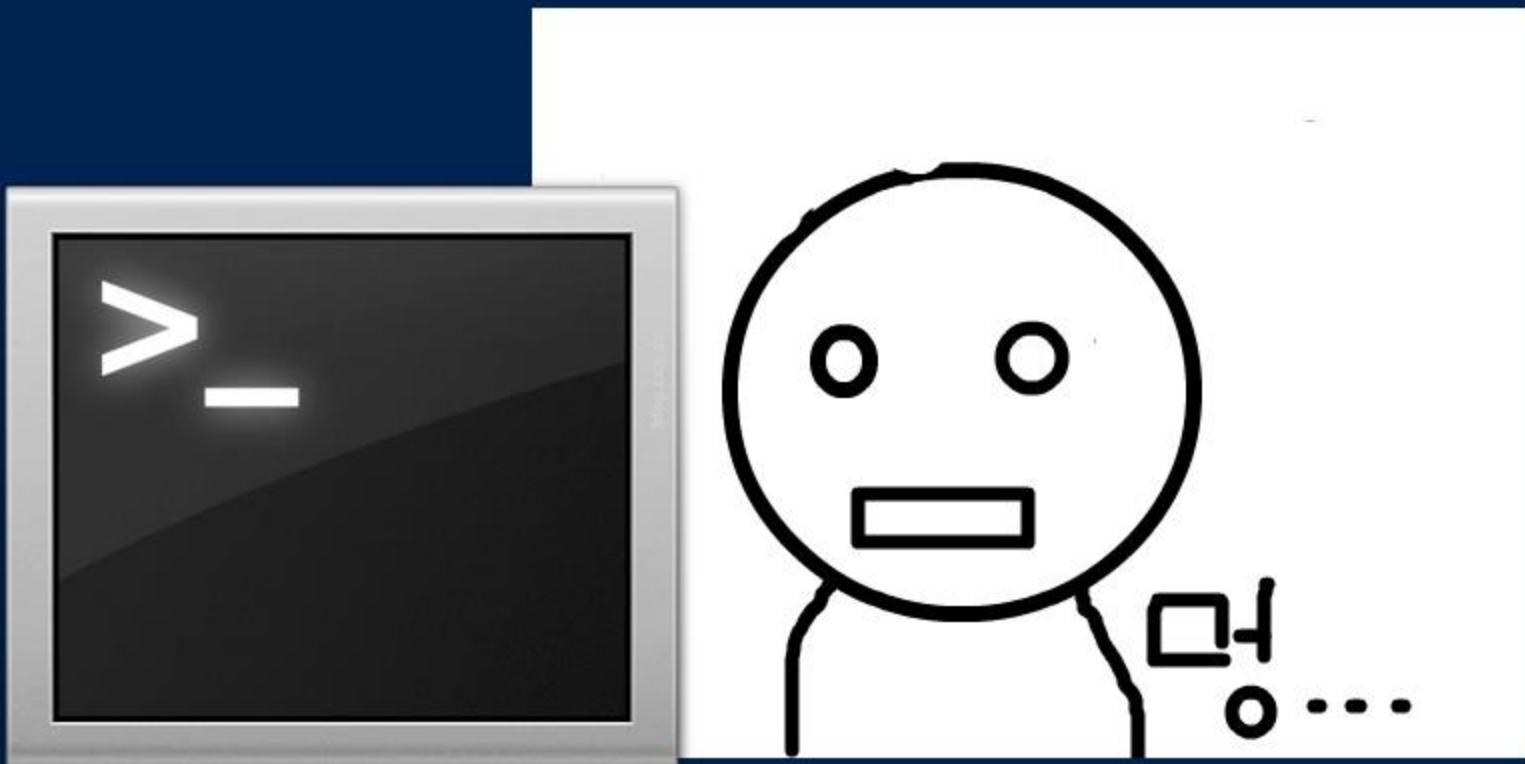
코스

1. 콘솔 사용방법(윈도우, 맥)
2. 작업 환경 설정
3. 아이오닉 CSS 컴포넌트
4. MVC 사용



1. 콘솔 사용방법(윈도우, 맥)

익숙치 않은 콘솔



알고나면 어렵지 않아요.
전체는 너무 많고
지금 필요한 것들만 알아보죠.



콘솔 사용 방법

1. 시작 버튼
2. 프로그램 및 파일 검색
3. cmd





작업폴더 설정 (맥)

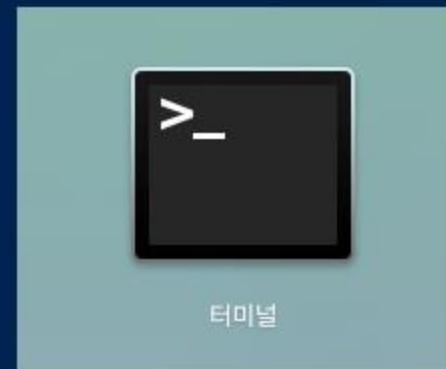
1



2



3



mkdir

make directory

디렉토리를 생성하는 명령어



mkdir C:\test

C드라이브 아래에 test라는 폴더를 생성



\$ mkdir ~/Documents/test

~ 자신의 홈디렉토리의 Document 폴더에 test라는 폴더 생성

cd 1

change directory



cd c:\ionic-space

C드라이브 test라는 폴더로 이동합니다.



cd ~/Document/ionic-space

Document의 test 폴더로 이동합니다.

`cd 2`

change directory

`cd ..`

한칸 뒤로 나옵니다. 윈도우에서는 c:\로
맥에서는 Document 폴더로 이동합니다.

~

자기의 홈 디렉토리를 나타냅니다.
(리눅스에서는 /home/아이디)
ex) /Users/자신의 아이디

`cd ~`

하면 자신의 홈으로 이동합니다.



ls

list directory

ls 현재 경로의 모든 파일과 디렉토리 출력
유닉스(맥, 리눅스) 계열에서 사용

```
jamieui-MacBook-Pro-2:~ jamie$ ls
AndroidStudioProjects
Applications
Desktop
Documents
Downloads
Google 드 라 이 브
Library
Movies
Music
PS-139.1348_jamie_10.05.2015_02.16.37.zip
Pictures
Public
bash_profile.swp
ganttproject.log
git
java0.log
```



dir
directory

현재 경로의 모든 파일과 디렉터리 출력
윈도우 계열에서 사용

절대경로, 상대경로

절대경로

/Users/jamie/Document

상대경로

만약 /Users/jamie 경로에 위치하고 있다면..

cd Document/test

로 이동 가능

tip

cd /Use

Use 까지만 누리고 ‘tab’ 버튼을 눌르면

cd /Users

가 자동 완성됩니다. 폴더 파일명 모두 적용 됩니다.

더 알고 싶다면



<http://passing2.tistory.com/56>



<http://mactraining.tistory.com/148>

2. 작업 환경 설정

작업폴더 이동

작업 폴더로 이동 합시다.



`cd ~/ionic-space`



`cd c:\ionic-space`

blankApp 이 없다면 프로젝트를 생성해줍니다.

`ionic start blankApp blank`

app.js 수정

blankApp/www/app.js 를 수정합니다.

```
.config(function($stateProvider, $urlRouterProvider) {  
    $stateProvider  
  
        .state('test', {  
            url: "/test",  
            templateUrl: "templates/test.html"  
        })  
    })
```

index.html 수정

blankApp/www/index.html 를 수정합니다.

```
<body ng-app="starter">  
  <ion-nav-bar class="bar bar-header bar-positive">  
    <ion-nav-back-button class="button-clear">  
      <i class="ion-arrow-left-c"></i> Back  
    </ion-nav-back-button>  
  </ion-nav-bar>  
  <!-- 네비게이션 뷰 -->  
  <ion-nav-view></ion-nav-view>  
</body>
```

bar-positive

상단바 색상

<i class="ion-arrow-left-c"></i> Back

백버튼 출력

test.html 추가

blankApp/www/templates/test.html 를 추가합니다.

```
<ion-view view-title="Components Test">
  <ion-content>
    </ion-content>
</ion-view>
```

```
<ion-content>
  <!-- 컨텐츠는 여기 배치 됩니다. -->
</ion-content>
```

에러없이 뜨는지 확인

ionic serve

/#/test

디버깅

크롬 개발자 도구 사용

The screenshot shows the Chrome DevTools interface with the 'Elements' tab selected. The left pane displays the DOM tree for a page with Ionic framework components. The right pane shows the 'Styles' panel, which lists CSS rules applied to the selected element. The bottom navigation bar has tabs for 'Console', 'Search', 'Emulation', and 'Rendering', with 'Console' currently active.

```
<!DOCTYPE html>
<html>
  <head>...</head>
  <body ng-app="starter" class="grade-a platform-browser platform-macintel platform-ready">
    <ion-nav-bar class="bar bar-header bar-positive nav-bar-container" nav-bar-transition="ios" nav-bar-direction="none" nav-swipe>...</ion-nav-bar>
    <ion-nav-view class="view-container" nav-view-transition="ios" nav-view-direction="none" nav-swipe>
      <ion-view view-title="Hello" class="pane" nav-view="active" style="opacity: 1; -webkit-transform: translate3d(0%, 0px, 0px);">
        <ion-content class="scroll-content ionic-scroll has-header">...</ion-content>
      </ion-view>
    </ion-nav-view>
    <script>...</script>
    <script src="//192.168.0.230:35729/livereload.js?snipver=1"></script>
  </body>
</html>
```

Styles	Computed	Event Listeners
element.style { } has-header { top: 44px; } scroll-content { position: absolute; top: 0; right: 0; bottom: 0; left: 0; overflow: hidden; margin-top: -1px; padding-top: 1px; margin-bottom: -1px; }	ionic.css:2717 ionic.css:2578	

html body ion-nav-view.view-container ion-view.pane ion-content.scroll-content.ionic-scroll.has-header

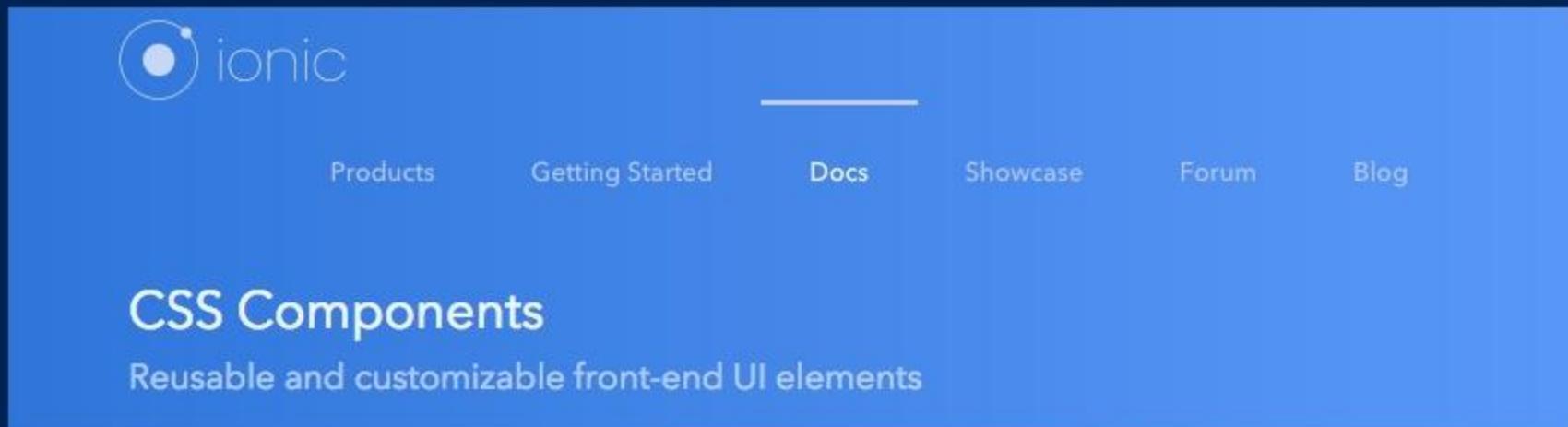
Find in Styles

Console Search Emulation Rendering

3. 아이오닉 CSS 컴포넌트

컴포넌트 Docs

<http://ionicframework.com/docs/components/>



Sub Header

blankApp/www/templates/test.html 을 수정합니다.

```
<ion-content>
    <!-- 여기에 입력 -->
</ion-content>
```

```
<!-- 서브 헤더 -->
<div class="bar bar-header">
    <h1 class="title">Header</h1>
</div>
```



Footer

```
<ion-view view-title="Components Test">  
</ion-view>  
  
<!-- footer -->  
<div class="bar bar-footer bar-balanced">  
    <div class="title">Footer</div>  
</div>
```



Buttons

```
<!-- 버튼 -->
<div class="content padding has-header">
  <p>    <button class="button button-small button-light">button-light</button>
  </p>
  <p>    <button class="button button-small button-stable">button-stable</button>
  </p>
  <p>    <button class="button button-small button-positive">button-positive</button>
  </p>

  <button class="button button-full button-positive">
    Full Width Block Button
  </button>

  <p>    <button class="button button-outline button-light">button-light</button>
  </p>
  <p>    <button class="button button-outline button-stable">button-stable</button>
  </p>
  <p>    <button class="button button-outline button-positive">button-positive</button>
  </p>

  <p>    <button class="button button-clear button-light">button-light</button>
  </p>
  <p>    <button class="button button-clear button-stable">button-stable</button>
  </p>
  <p>    <button class="button button-clear button-positive">button-positive</button>
  </p>
</div>
```

Buttons

button-light

button-stable

button-positive

Full Width Block Button

button-light

button-stable

button-positive

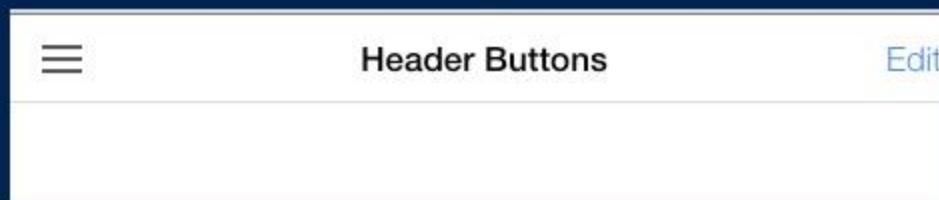
button-light

button-stable

button-positive

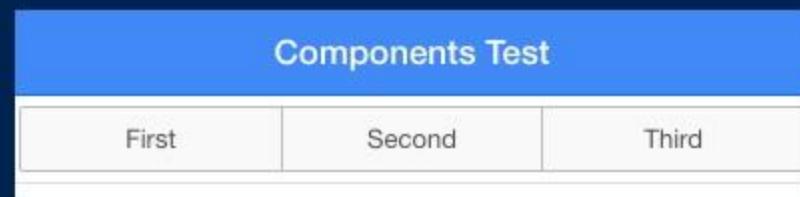
Header Buttons

```
<div class="bar bar-header">
  <button class="button button-icon icon ion-navicon"></button>
  <div class="h1 title">Header Buttons</div>
  <button class="button button-clear button-positive">Edit</button>
</div>
```



Button Bar

```
<div class="bar bar-header">
  <div class="button-bar">
    <a class="button">First</a>
    <a class="button">Second</a>
    <a class="button">Third</a>
  </div>
</div>
```



List

```
<div class="list">
  <a class="item item-avatar" href="#">
    
    <h2>Venkman</h2>
    <p>Back off, man. I'm a scientist.</p>
  </a>

  <a class="item item-avatar" href="#">
    
    <h2>Egon</h2>
    <p>We're gonna go full stream.</p>
  </a>

  <a class="item item-avatar" href="#">
    
    <h2>Ray</h2>
    <p>Ugly little spud, isn't he?</p>
  </a>

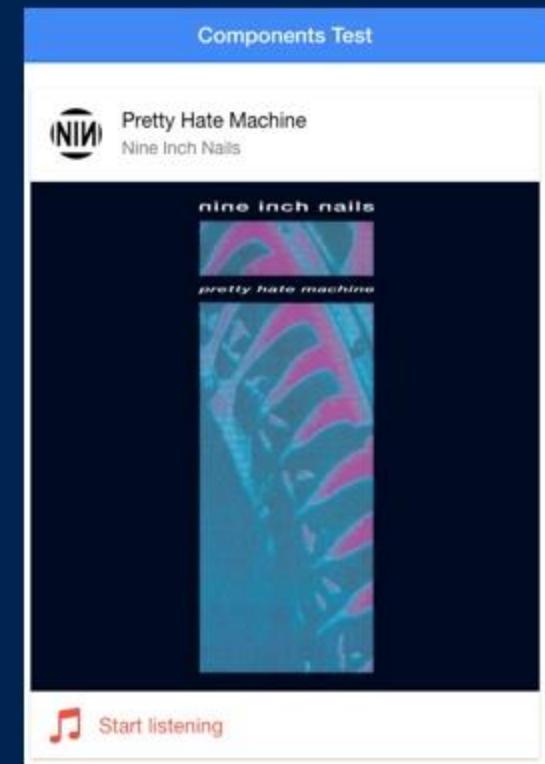
  <a class="item item-avatar" href="#">
    
    <h2>Winston</h2>
    <p>That's a big Twinkie.</p>
  </a>
</div>
```

Components Test

Avatar	Name	Text
	Venkman	Back off, man. I'm a scientist.
	Egon	We're gonna go full stream.
	Ray	Ugly little spud, isn't he?
	Winston	That's a big Twinkie.
	Tully	Okay, who brought the dog?

Card

```
<div class="list card">  
  
  <div class="item item-avatar">  
      
    <h2>Pretty Hate Machine</h2>  
    <p>Nine Inch Nails</p>  
  </div>  
  
  <div class="item item-image">  
      
  </div>  
  
  <a class="item item-icon-left assertive" href="#">  
    <i class="icon ion-music-note"></i>  
    Start listening  
  </a>  
  
</div>
```



Forms

```
<div class="content has-header">
  <div class="list">
    <label class="item item-input item-stacked-label">
      <span class="input-label">First Name</span>
      <input type="text" placeholder="John">
    </label>
    <label class="item item-input item-stacked-label">
      <span class="input-label">Last Name</span>
      <input type="text" placeholder="Suhr">
    </label>
    <label class="item item-input item-stacked-label">
      <span class="input-label">Email</span>
      <input type="text" placeholder="john@suhr.com">
    </label>
  </div>
  <div class="padding">
    <button class="button button-block button-positive">Create Account</button>
  </div>
</div>
```

Components Test

First Name
John

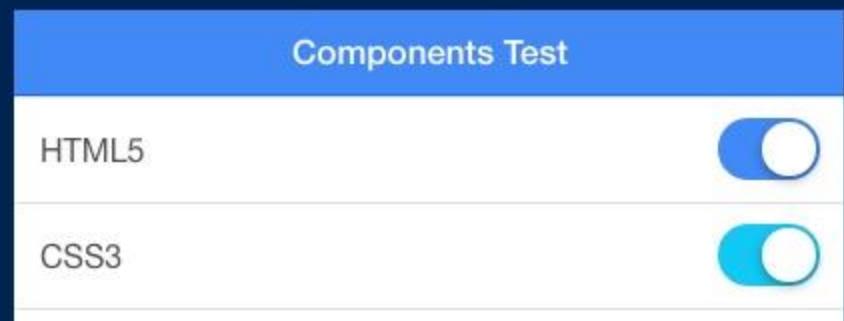
Last Name
Suhr

Email
john@suhr.com

Create Account

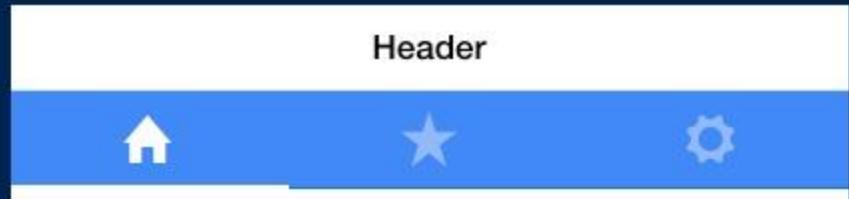
Toggle

```
<ul class="list">
  <li class="item item-toggle">
    HTML5
    <label class="toggle toggle-positive">
      <input type="checkbox" checked="">
      <div class="track">
        <div class="handle"></div>
      </div>
    </label>
  </li>
  <li class="item item-toggle">
    CSS3
    <label class="toggle toggle-calm">
      <input type="checkbox" checked="">
      <div class="track">
        <div class="handle"></div>
      </div>
    </label>
  </li>
</ul>
```



Top Icon Tabs

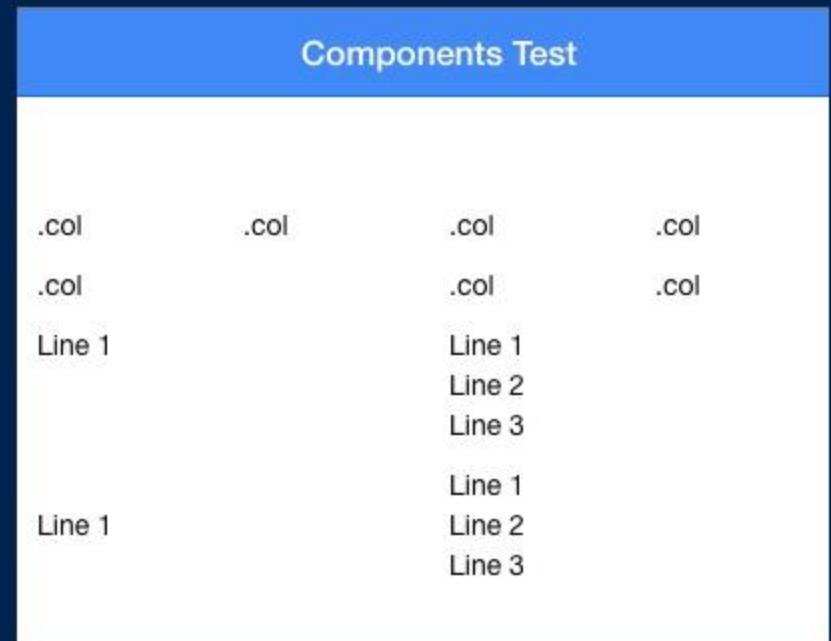
```
<!-- 서브 헤더 -->
<div class="bar bar-header">
  <h1 class="title">Header</h1>
</div>
<div class="tabs-striped tabs-top tabs-background-positive tabs-color-light">
  <div class="tabs">
    <a class="tab-item active" href="#">
      <i class="icon ion-home"></i>
      Test
    </a>
    <a class="tab-item" href="#">
      <i class="icon ion-star"></i>
      Favorites
    </a>
    <a class="tab-item" href="#">
      <i class="icon ion-gear-a"></i>
      Settings
    </a>
  </div>
</div>
```



Grid 1

```
<!-- 서브 헤더 -->
<div class="bar bar-header">
  <h1 class="title">Header</h1>
</div>
<div class="tabs-striped tabs-top tabs-background-positive tabs-color-light">
  <div class="tabs">
    <a class="tab-item active" href="#">
      <i class="icon ion-home"></i>
      Test
    </a>
    <a class="tab-item" href="#">
      <i class="icon ion-star"></i>
      Favorites
    </a>
    <a class="tab-item" href="#">
      .
    </a>
  </div>
<div class="content has-header">

  <div class="row">
    <div class="col">
      <div class="col-demo">.col</div>
    </div>
    <div class="col">
      <div class="col-demo">.col</div>
    </div>
  </div>
</div>
```



Grid 2

```
<div class="row">
  <div class="col col-50">
    <div class="col-demo">.col</div>
  </div>
  <div class="col">
    <div class="col-demo">.col</div>
  </div>
  <div class="col">
    <div class="col-demo">.col</div>
  </div>
</div>

<div class="row">
  <div class="col">
    <div class="col-demo">Line 1</div>
  </div>
  <div class="col">
    <div class="col-demo">Line 1<br>Line 2<br>Line 3</div>
  </div>
</div>

<div class="row">
  <div class="col col-center">
    <div class="col-demo">Line 1</div>
  </div>
  <div class="col">
    <div class="col-demo">Line 1<br>Line 2<br>Line 3</div>
  </div>
</div>

</div><i class="icon ion-gear-a"></i>
      Settings
    </a>
  </div>
</div>
```

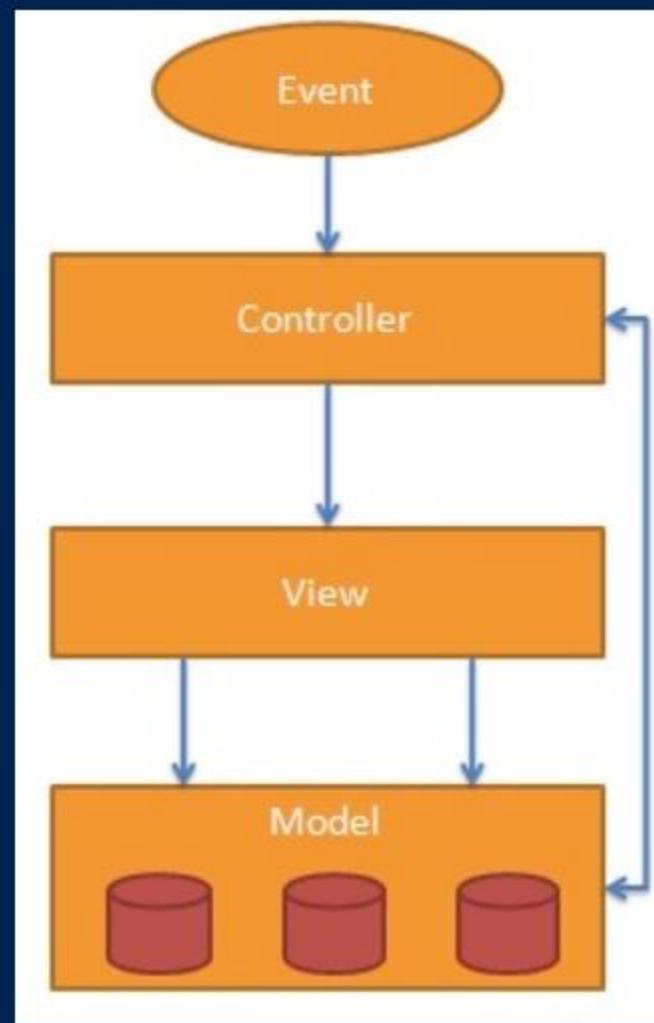
Icon

```
<ul>
  <li class="ion-ionic"></li>
  <li class="ion-arrow-up-a"></li>
  <li class="ion-arrow-right-a"></li>
  <li class="ion-arrow-down-a"></li>
  <li class="ion-arrow-left-a"></li>
  <li class="ion-arrow-up-b"></li>
</ul>
```

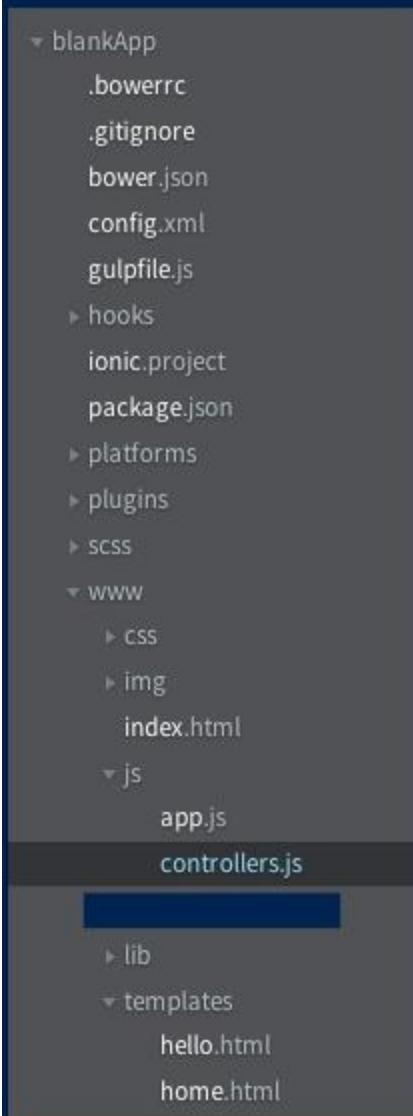


3. MVC 설정

MVC



controllers.js 추가

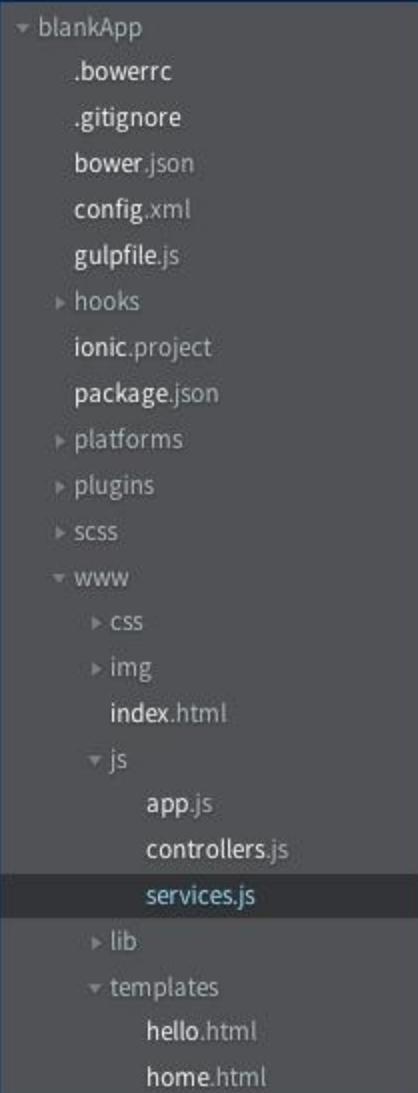


www/js 폴더에 controllers.js 파일 추가

첫줄에 추가

```
angular.module('starter.controllers', ['starter.services'])
```

services.js 파일 추가

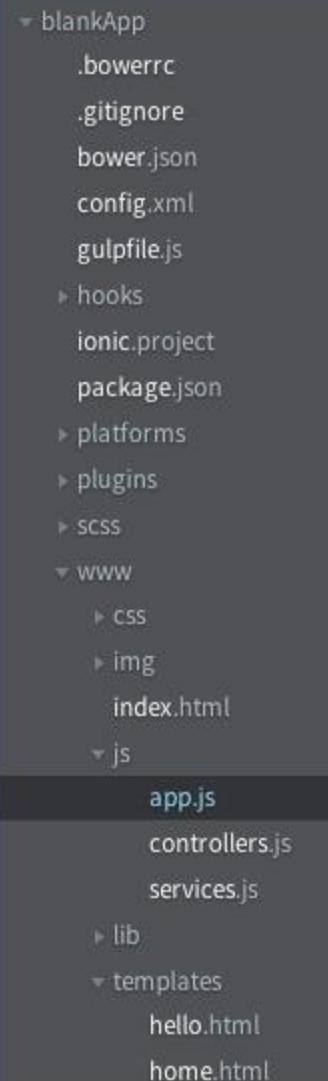


www/js 폴더에 services.js 파일 추가

다음라인 추가

```
angular.module('starter.services', [])
```

app.js 1

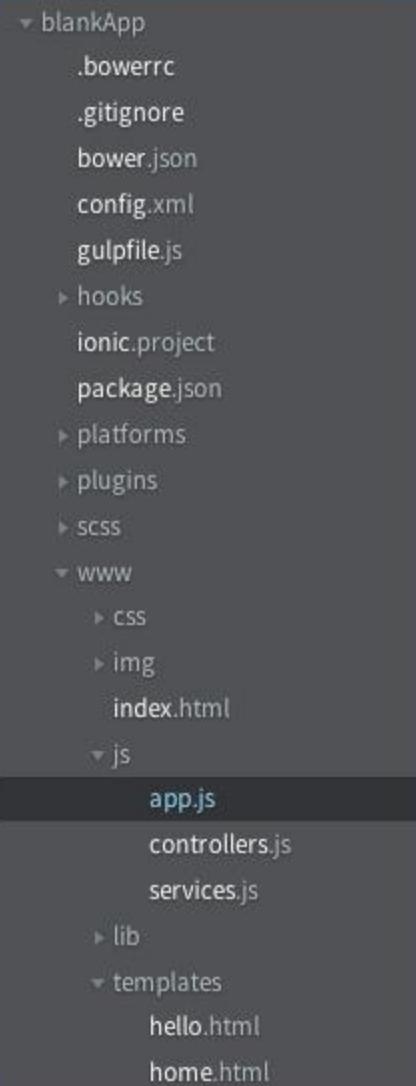


www/js app.js 수정

첫줄을 다음처럼 수정

```
angular.module('starter', ['ionic', 'starter.controllers', 'starter.services'])
```

app.js 2



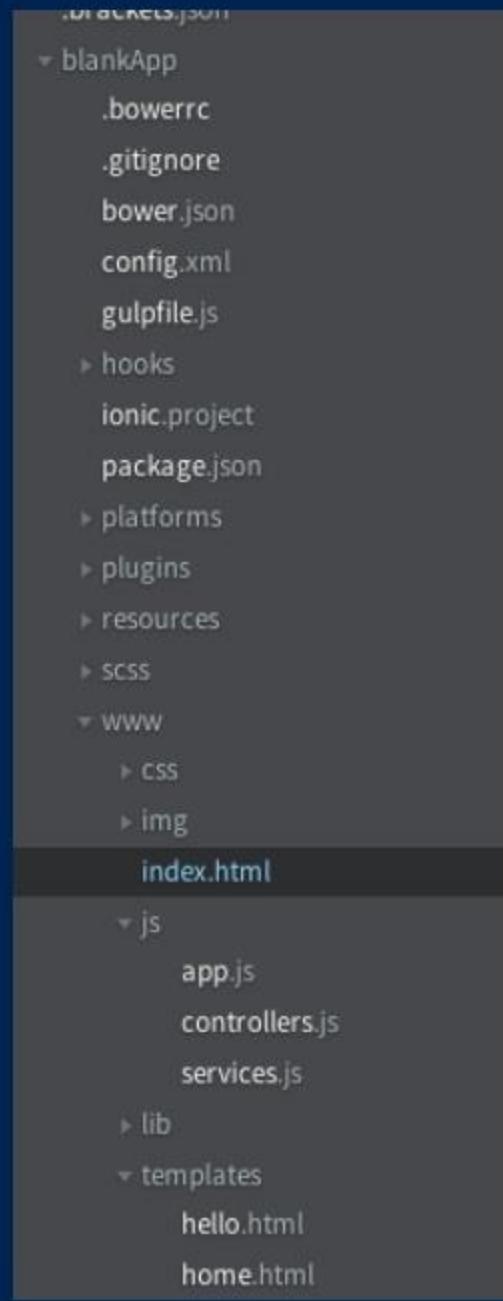
www/js app.js 수정

내용 추가

```
.state('hello', {  
    url: "/hello",  
    templateUrl: "templates/hello.html"  
})
```

```
.state("home", {  
    url: "/",  
    templateUrl: "templates/home.html"  
})
```

index.html



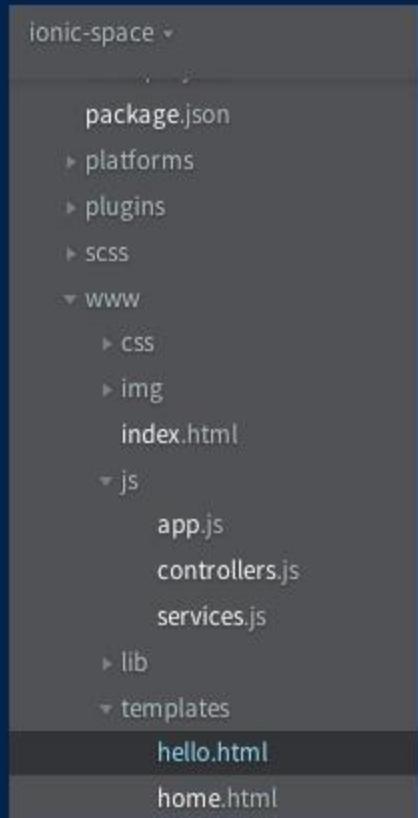
www/templates/index.html 수정

<head>에 다음의 내용을 추가합니다.

```
<script src="js/controllers.js"></script>
<script src="js/services.js"></script>
```

html 추가

www/templates/



hello.html 파일 추가

```
<ion-view view-title="Hello">
  <ion-content>
    <p>hello</p>
  </ion-content>
</ion-view>
```

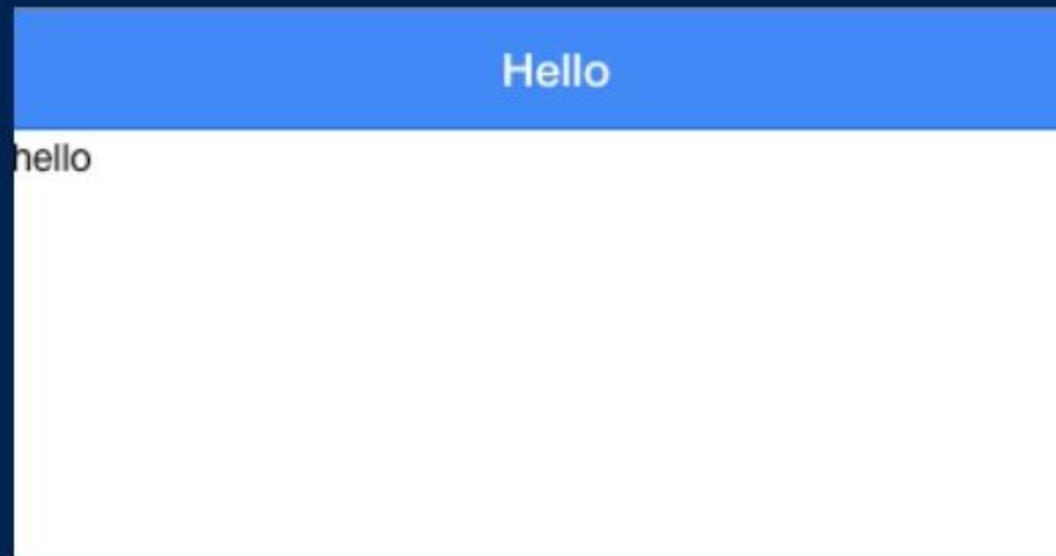
home.html 파일 추가

```
<ion-view view-title="Home">
  <ion-content>
    <p>home</p>
  </ion-content>
</ion-view>
```

html 추가

테스트

<http://localhost:8100/#/>
<http://localhost:8100/#/hello>



4. MVC 사용

app.js

```
.state('posts', {  
    url: "/posts",  
    templateUrl: "templates/posts.html",  
    controller: 'PostsCtrl'  
})  
  
.state('post-detail', {  
    url: '/posts/:postId',  
    templateUrl: 'templates/post-detail.html',  
    controller: 'PostDetailCtrl'  
})
```

controllers.js

```
.controller('PostsCtrl', function($scope, Posts) {  
  $scope.posts = Posts.all();  
})  
  
.controller('PostDetailCtrl', function($scope, $stateParams, Posts) {  
  $scope.post = Posts.get($stateParams.postId);  
})
```

services.js

```
.factory('Posts', function() {
  var posts = [
    {
      id: 0,
      name: '진돗개',
      title: '배고프다.',
      image: 'http://jindorishop.com/board/data/file/sale/2109181960_eb40320a_DSC01132.JPG',
      text: '안녕'
    },
    {
      id: 1,
      name: '말티즈',
      title: '주인님이 언제오시나?',
      image: 'http://dogplus.petgalleria.net/files/attach/images/47825/785/149/337bec10e301a3885262719d2833336e.jpg',
      text: '안녕'
    },
    {
      id: 2,
      name: '푸들',
      title: '후',
      image: 'http://rladkfma.nflint.com/%ED%91%B8%EB%93%A4.jpg',
      text: '안녕'
    }];
  return {
    all: function() {
      return posts;
    },
    get: function(postId) {
      for (var i = 0; i < posts.length; i++) {
        if (posts[i].id === parseInt(postId)) {
          return posts[i];
        }
      }
      return null;
    }
  };
});
```

posts.html

```
<ion-view view-title="Board">
  <ion-content>
    <ion-list>
      <ion-item class="item-remove-animate item-avatar item-icon-right"
ng-repeat="post in posts" type="item-text-wrap" href="#/posts/{{post.id}}">
        
        <h2>{{post.name}}</h2>
        <p>{{post.title}}</p>
        <p>{{post.text}}</p>
        <i class="icon ion-chevron-right icon-accessory"></i>
      </ion-item>
    </ion-list>
  </ion-content>
</ion-view>
```

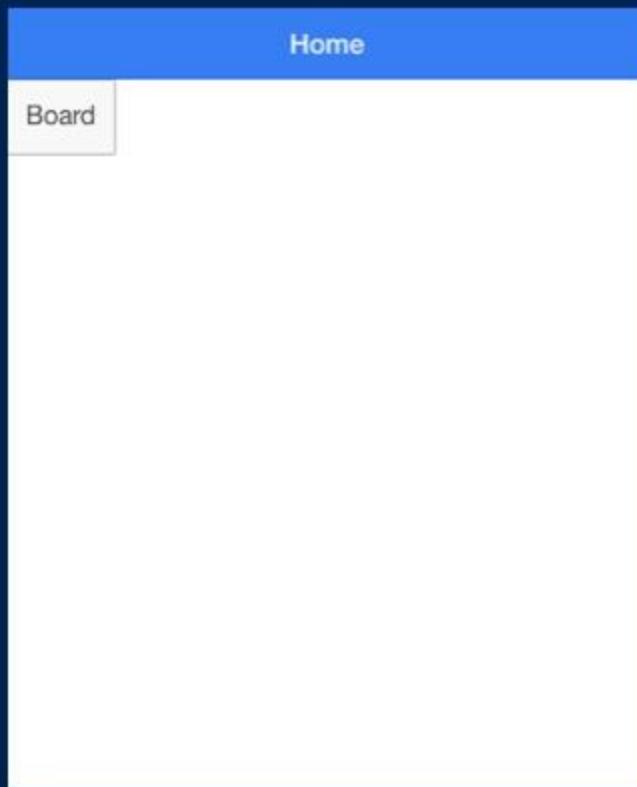
post-detail.html

```
<ion-view view-title="{{post.name}}>
  <ion-content class="padding">
    
    <p>{{post.title}}
    </p>
    <p>{{post.text}}
    </p>
  </ion-content>
</ion-view>
```

home.html

```
<ion-view view-title="Home">
  <ion-content>
    <a class="button icon-right" href="#/posts">Board</a>
  </ion-content>
</ion-view>
```

결과



← Back Board

- 진돗개
배고프다.
안녕
- 말티즈
주인님이 언제오시나
안녕
- 푸들
후
안녕

← Back 진돗개

- 배고프다.
안녕



수고하셨습니다. :)

ABCD

<http://abcds.kr>

<https://www.facebook.com/groups/562787713823026/>

한성일

<https://www.facebook.com/jamie.han.16>

iheart79@gmail.com

Ionic 으로 모바일 앱 만들기

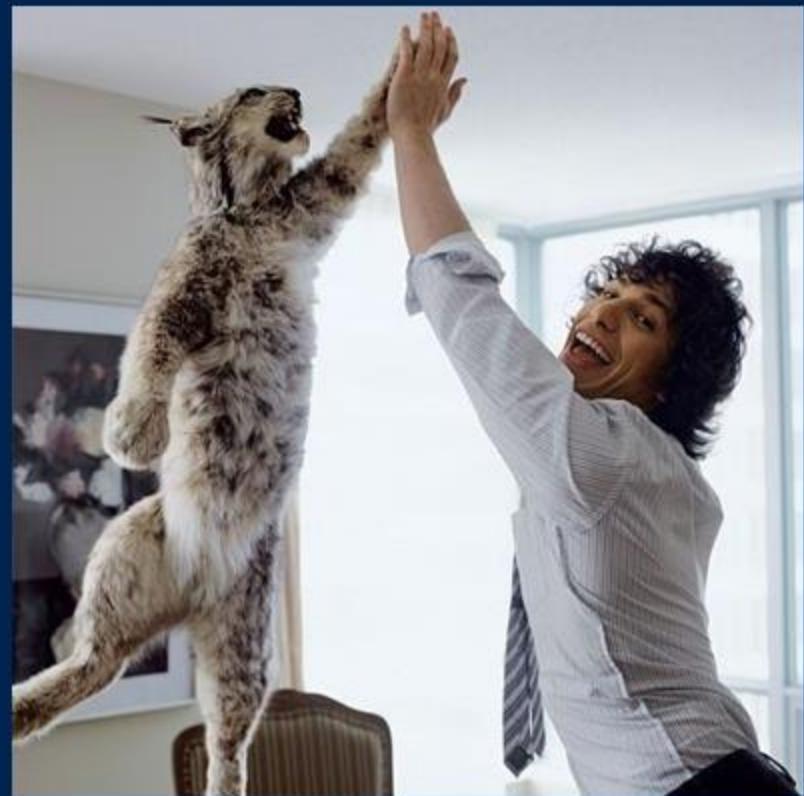
#3. Angularjs, Javascript Component



ABCD, 스노우키위 한성일

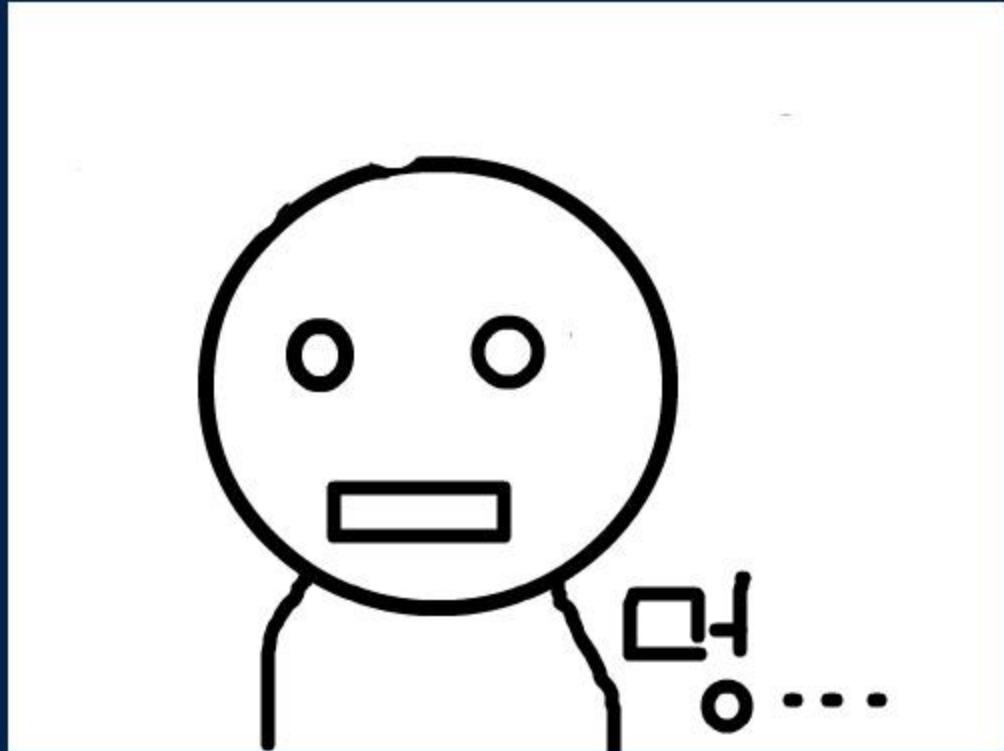
코스

1. Angularjs
2. Angularjs 실습
3. 스마트폰 테스트
4. 아이오닉 자바스크립트 컴포넌트 #1



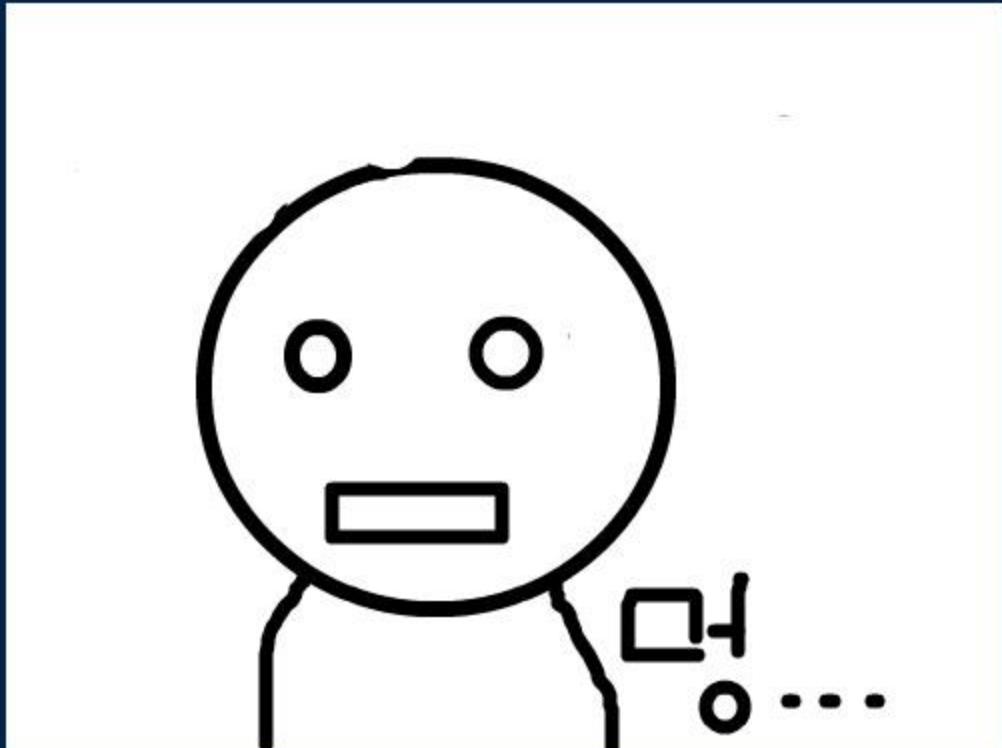
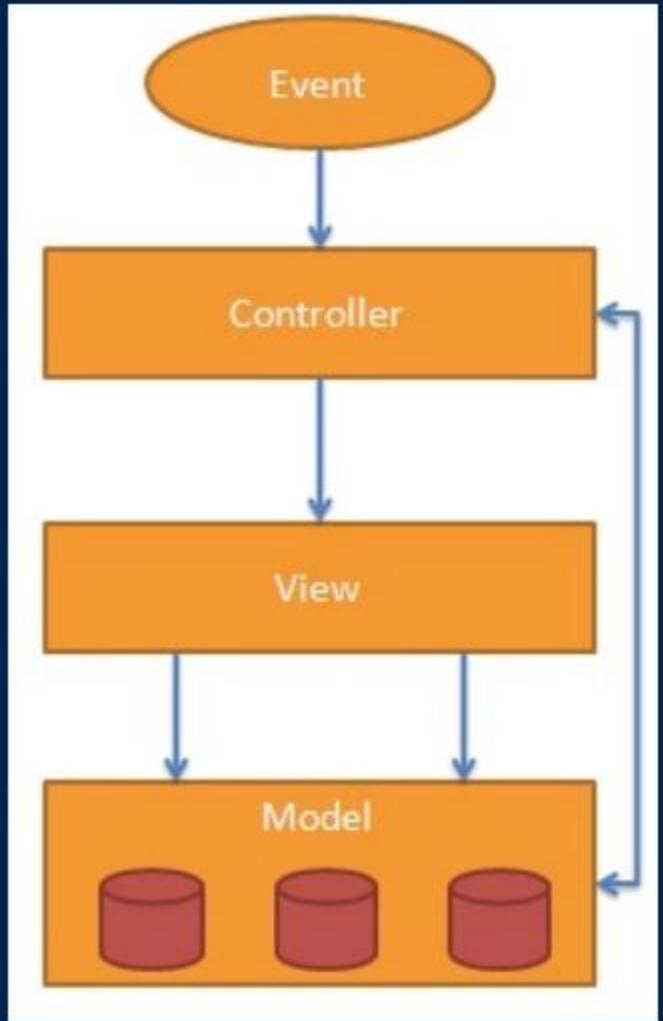
1. Angularjs

Angularjs



제이쿼리보다 쉬워요.

Angularjs



익숙치 않은 콘솔

<head> 와 </head> 사이에 나은 줄이 꼭 필요합니다.
제이쿼리와 비슷하죠.

```
<script src= "http://ajax.googleapis.com/ajax/libs/angularjs/1.3.14/  
angular.min.js"></script>
```

```
<!DOCTYPE html>  
<html>  
<head lang="en">  
  <meta charset="UTF-8">  
  <title></title>  
  <script src= "http://ajax.googleapis.com/ajax/libs/angularjs/1.3.14/  
angular.min.js"></script>  
</head>  
<body>  
</body>  
</html>
```

작업디렉토리로



```
cd c:\ionic-space
```



```
cd ~/Document/ionic-space
```

작업디렉토리로



md angularjs



mkdir angularjs

2. Angularjs 실습

first

```
<!DOCTYPE html>
<html>
<head lang="ko">
  <meta charset="UTF-8">
  <title></title>
  <script src= "http://ajax.googleapis.com/ajax/libs/angularjs/1.3.14/
angular.min.js"></script>
</head>
<body>
  <div ng-app="">
    <p>Name : <input type="text" ng-model="name"></p>
    <h1>Hello {{name}}</h1>

    <p>Userid : <input type="text" ng-model="id"></p>
    <h2>Hello {{id}}</h2>
  </div>
</body>
</html>
```

Expressions

```
<div ng-app="">
  <p>My first expression: {{ 5 + 5 }}</p>
</div>
```

Expressions

```
<div ng-app="" ng-init="quantity=1;cost=5">
  <p>Total in dollar: {{ quantity * cost }}</p>
</div>
```

Expressions

```
<div ng-app="" ng-init="quantity=1;cost=5">
  <p>Total in dollar: <span ng-bind="quantity * cost"></span></p>
</div>
```

Expressions

```
<div ng-app="" ng-init="firstName='John';lastName='Doe'">
<p>The full name is: {{ firstName + " " + lastName }}</p>
```

Expressions

```
<div ng-app="" ng-init="firstName='John';lastName='Doe'">
  <p>The name is <span ng-bind="firstName + ' ' + lastName"></span></p>
</div>
```

Expressions

```
<div ng-app="" ng-init="person={firstName:'John',lastName:'Doe'}">
  <p>The name is {{ person.lastName }}</p>
</div>
```

Expressions

```
<div ng-app="" ng-init="person={firstName:'John',lastName:'Doe'}">
  <p>The name is <span ng-bind="person.lastName"></span></p>
</div>
```

Expressions

```
<div ng-app="" ng-init="points=[1,15,19,2,40]">
  <p>The third result is {{ points[2] }}</p>
</div>
```

Directives

```
<div ng-app="" ng-init="points=[1,15,19,2,40]">
  <p>The third result is <span ng-bind="points[2]"></span></p>
</div>
```

Directives

```
<div data-ng-app="" data-ng-init="quantity=1;price=5">
  <h2>Cost Calculator</h2>
  Quantity: <input type="number" ng-model="quantity">
  Price: <input type="number" ng-model="price">
  <p><b>Total in dollar:</b> {{quantity * price}}</p>
</div>
```

Directives

```
<div data-ng-app="" data-ng-init="names=['Jani','Hege','Kai']">
  <p>Looping with ng-repeat:</p>
  <ul>
    <li data-ng-repeat="x in names">
      {{ x }}
    </li>
  </ul>
</div>
```

Directives

```
<div ng-app="" ng-init="names=[  
  {name:'Jani',country:'Norway'},  
  {name:'Hege',country:'Sweden'},  
  {name:'Kai',country:'Denmark'}]>  
  
<ul>  
  <li ng-repeat="x in names">  
    {{ x.name + ', ' + x.country }}  
  </li>  
</ul>  
  
</div>
```

Controllers

```
<div ng-app="myApp" ng-controller="myCtrl">  
  First Name: <input type="text" ng-model="firstName"><br>  
  Last Name: <input type="text" ng-model="lastName"><br>  
  <br>  
  Full Name: {{firstName + " " + lastName}}  
</div>  
  
<script>  
  var app = angular.module('myApp', []);  
  app.controller('myCtrl', function($scope) {  
    $scope.firstName = "John";  
    $scope.lastName = "Doe";  
  });  
</script>
```

Controllers

```
<div ng-app="myApp" ng-controller="personCtrl">  
  
    First Name: <input type="text" ng-model="firstName"><br>  
    Last Name: <input type="text" ng-model="lastName"><br>  
    <br>  
    Full Name: {{fullName()}}  
  
</div>  
  
<script>  
var app = angular.module('myApp', []);  
app.controller('personCtrl', function($scope) {  
    $scope.firstName = "John";  
    $scope.lastName = "Doe";  
    $scope.fullName = function() {  
        return $scope.firstName + " " + $scope.lastName;  
    }  
});  
</script>
```

Controllers

```
<div ng-app="myApp" ng-controller="personCtrl">  
    First Name: <input type="text" ng-model="firstName"><br>  
    Last Name: <input type="text" ng-model="lastName"><br>  
    <br>  
    Full Name: {{firstName + " " + lastName}}  
</div>  
  
<script src="personController.js"></script>
```

personController.js

```
angular.module('myApp', []).controller('personCtrl',  
function($scope) {  
    $scope.firstName = "John",  
    $scope.lastName = "Doe",  
    $scope.fullName = function() {  
        return $scope.firstName + " " + $scope.lastName;  
    }  
});
```

Controllers

```
<div ng-app="myApp" ng-controller="namesCtrl">  
  <ul>  
    <li ng-repeat="x in names">  
      {{ x.name + ', ' + x.country }}  
    </li>  
  </ul>  
</div>  
  
<script src="namesController.js"></script>
```

namesController.js

```
angular.module('myApp', []).controller('namesCtrl',  
function($scope) {  
    names=[  
        {name:'Jani',country:'Norway'},  
        {name:'Hege',country:'Sweden'},  
        {name:'Kai',country:'Denmark'}];  
    $scope.names = names;  
});
```

Filter

```
<div ng-app="myApp" ng-controller="personCtrl">
  <p>The name is {{ lastName | uppercase }}</p>
  <p>The name is {{ lastName | lowercase }}</p>
</div>

<script src="personController.js"></script>
```

Filter

```
<div ng-app="">
  <input type="number" ng-model="quantity">
  <input type="number" ng-model="price">

  <p>Total = {{ quantity * price } | currency}</p>
</div>
```

Filter

```
<div ng-app="myApp" ng-controller="namesCtrl">  
  <p>Looping with objects:</p>  
  <ul>  
    <li ng-repeat="x in names | orderBy:'country'">  
      {{ x.name + ', ' + x.country }}  
    </li>  
  </ul>  
</div>  
<script src="namesController.js"></script>
```

Filter

```
<div ng-app="myApp" ng-controller="namesCtrl">
  <p>Filtering input:</p>
  <p><input type="text" ng-model="test"></p>

  <ul>
    <li ng-repeat="x in names | filter:test | orderBy:'country'">
      {{ (x.name | uppercase) + ', ' + x.country }}
    </li>
  </ul>

</div>
<script src="namesController.js"></script>
```

Http

```
<div ng-app="myApp" ng-controller="customersCtrl">

<ul>
  <li ng-repeat="x in names">
    {{ x.Name + ', ' + x.Country }}
  </li>
</ul>

</div>

<script>
var app = angular.module('myApp', []);
app.controller('customersCtrl', function($scope, $http) {
  $http.get("http://www.w3schools.com/angular/customers.php")
    .success(function (response) {$scope.names = response.records;});
});
</script>
```

Table

```
<div ng-app="myApp" ng-controller="customersCtrl">

<table>
  <tr ng-repeat="x in names">
    <td>{{ x.Name }}</td>
    <td>{{ x.Country }}</td>
  </tr>
</table>

</div>

<script>
var app = angular.module('myApp', []);
app.controller('customersCtrl', function($scope, $http) {
  $http.get("http://www.w3schools.com/angular/customers.php")
    .success(function (response) {$scope.names = response.records;});
});
</script>
```

Table

```
<style>
table, th, td {
  border: 1px solid grey;
  border-collapse: collapse;
  padding: 5px;
}
table tr:nth-child(odd) {
  background-color: #f1f1f1;
}
table tr:nth-child(even) {
  background-color: #ffffff;
}
</style>
```

```
<div ng-app="myApp" ng-controller="customersCtrl">

<table>
  <tr ng-repeat="x in names">
    <td>{{ x.Name }}</td>
    <td>{{ x.Country }}</td>
  </tr>
</table>

</div>

<script>
var app = angular.module('myApp', []);
app.controller('customersCtrl', function($scope, $http) {
  $http.get("http://www.w3schools.com/angular/customers.php")
    .success(function (response) {$scope.names = response.records;});
});
</script>
```

Table

```
<div ng-app="myApp" ng-controller="customersCtrl">

<table>
  <tr ng-repeat="x in names">
    <td>{{ x.Name }}</td>
    <td>{{ x.Country | uppercase }}</td>
  </tr>
</table>

</div>

<script>
var app = angular.module('myApp', []);
app.controller('customersCtrl', function($scope, $http) {
  $http.get("http://www.w3schools.com/angular/customers.php")
    .success(function (response) {$scope.names = response.records;});
});
</script>
```

Table

```
<div ng-app="myApp" ng-controller="customersCtrl">

<table>
  <tr ng-repeat="x in names">
    <td>{{ $index + 1 }}</td>
    <td>{{ x.Name }}</td>
    <td>{{ x.Country }}</td>
  </tr>
</table>

</div>

<script>
  var app = angular.module('myApp', []);
  app.controller('customersCtrl', function($scope, $http) {
    $http.get("http://www.w3schools.com/angular/customers.php")
      .success(function (response) {$scope.names = response.records;});
  });
</script>
```

Table

```
<div ng-app="myApp" ng-controller="customersCtrl">

<table>
  <tr ng-repeat="x in names">
    <td ng-if="$odd" style="background-color:#f1f1f1">
      {{ x.Name }}</td>
    <td ng-if="$even">
      {{ x.Name }}</td>
    <td ng-if="$odd" style="background-color:#f1f1f1">
      {{ x.Country }}</td>
    <td ng-if="$even">
      {{ x.Country }}</td>
  </tr>
</table>
</div>
<script>
var app = angular.module('myApp', []);
app.controller('customersCtrl', function($scope, $http) {
  $http.get("http://www.w3schools.com/angular/customers.php")
    .success(function (response) {$scope.names = response.records;});
});
</script>
```

DOM

```
<div ng-app="" ng-init="mySwitch=true">
  <p>
    <button ng-disabled="mySwitch">Click Me!</button>
  </p>
  <p>
    <input type="checkbox" ng-model="mySwitch"/>Button
  </p>
  <p>
    {{ mySwitch }}
  </p>
</div>
```

DOM

```
<div ng-app="">
  <p ng-show="true">I am visible.</p>
  <p ng-show="false">I am not visible.</p>
</div>
```

DOM

```
<div ng-app="" ng-init="hour=13">
  <p ng-show="hour > 12">I am visible.</p>
</div>
```

DOM

```
<div ng-app="">
  <p ng-hide="true">I am not visible.</p>
  <p ng-hide="false">I am visible.</p>
</div>
```

Event

```
<div ng-app="myApp" ng-controller="myCtrl">
<button ng-click="count = count + 1">Click Me!</button>
<p>{{ count }}</p>

</div>
<script>
  var app = angular.module('myApp', []);
  app.controller('myCtrl', function($scope) {
    $scope.count = 0;
  });
</script>
```

Event

```
<div ng-app="myApp" ng-controller="personCtrl">
  <p ng-show="myVar">
    First Name: <input type=text ng-model="person.firstName"><br>
    Last Name: <input type=text ng-model="person.lastName"><br><br>
    Full Name: {{person.firstName + " " + person.lastName}}
  </p>
  <button ng-click="toggle()">Click Me!</button>
</div>

<script>
  var app = angular.module('myApp', []);
  app.controller('personCtrl', function($scope) {
    $scope.person = {
      firstName: "John",
      lastName: "Doe"
    };
    $scope.myVar = true;
    $scope.toggle = function() {
      $scope.myVar = !$scope.myVar;
    };
  });
</script>
```

Event

```
<div ng-app="myApp" ng-controller="myCtrl">
  {{ firstName + " " + lastName }}
</div>

<script>
  var app = angular.module("myApp", []);
  app.controller("myCtrl", function($scope) {
    $scope.firstName = "John";
    $scope.lastName = "Doe";
  });
</script>
```

Module

```
<div ng-app="myApp" ng-controller="myCtrl">
  {{ firstName + " " + lastName }}
</div>

<script src="myApp.js"></script>
<script src="myCtrl.js"></script>
```

myApp.js

```
var app = angular.module("myApp", []);
```

myCtrl.js

```
app.controller("myCtrl", function($scope) {  
    $scope.firstName = "John";  
    $scope.lastName= "Doe";  
});
```

Module

```
<div ng-app="myApp" ng-controller="myCtrl">
  {{ firstName + " " + lastName }}
</div>

<script>
  var app = angular.module("myApp", []);
  app.controller("myCtrl", function($scope) {
    $scope.firstName = "John";
    $scope.lastName = "Doe";
  });
</script>
```

Form

```
<div ng-app="myApp" ng-controller="formCtrl">
  <form novalidate>
    First Name:<br>
    <input type="text" ng-model="user.firstName"><br>
    Last Name:<br>
    <input type="text" ng-model="user.lastName">
    <br><br>
    <button ng-click="reset()">RESET</button>
  </form>
  <p>form = {{user }}</p>
  <p>master = {{master}}</p>
</div>

<script>
  var app = angular.module('myApp', []);
  app.controller('formCtrl', function($scope) {
    $scope.master = {firstName:"John", lastName:"Doe"};
    $scope.reset = function() {
      $scope.user = angular.copy($scope.master);
    };
    $scope.reset();
  });
</script>
```

Validation

```
<h2>Validation Example</h2>
<form ng-app="myApp" ng-controller="validateCtrl" name="myForm" novalidate>
  <p>Username:<br>
    <input type="text" name="user" ng-model="user" required>
    <span style="color:red" ng-show="myForm.user.$dirty && myForm.user.$invalid">
      <span ng-show="myForm.user.$error.required">Username is required.</span>
    </span>
  </p>
  <p>Email:<br>
    <input type="email" name="email" ng-model="email" required>
    <span style="color:red" ng-show="myForm.email.$dirty && myForm.email.$invalid">
      <span ng-show="myForm.email.$error.required">Email is required.</span>
      <span ng-show="myForm.email.$error.email">Invalid email address.</span>
    </span>
  </p>
  <p>
    <input type="submit"
      ng-disabled="myForm.user.$dirty && myForm.user.$invalid ||
      myForm.email.$dirty && myForm.email.$invalid">
  </p>
</form>
<script>
var app = angular.module('myApp', []);
app.controller('validateCtrl', function($scope) {
  $scope.user = 'John Doe';
  $scope.email = 'john.doe@gmail.com';
});
</script>
```

사실..

w3schools.com

<http://www.w3schools.com/angular/default.asp>

3. 스마트폰 테스트

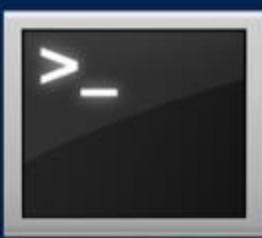
기본 소스 다운로드

[https://drive.google.com/folderview?
id=0B_dqOWjvHbO9T1NDd3V6cXNjZmM&usp=sharing](https://drive.google.com/folderview?id=0B_dqOWjvHbO9T1NDd3V6cXNjZmM&usp=sharing)



secondApp.zip

ionic upload



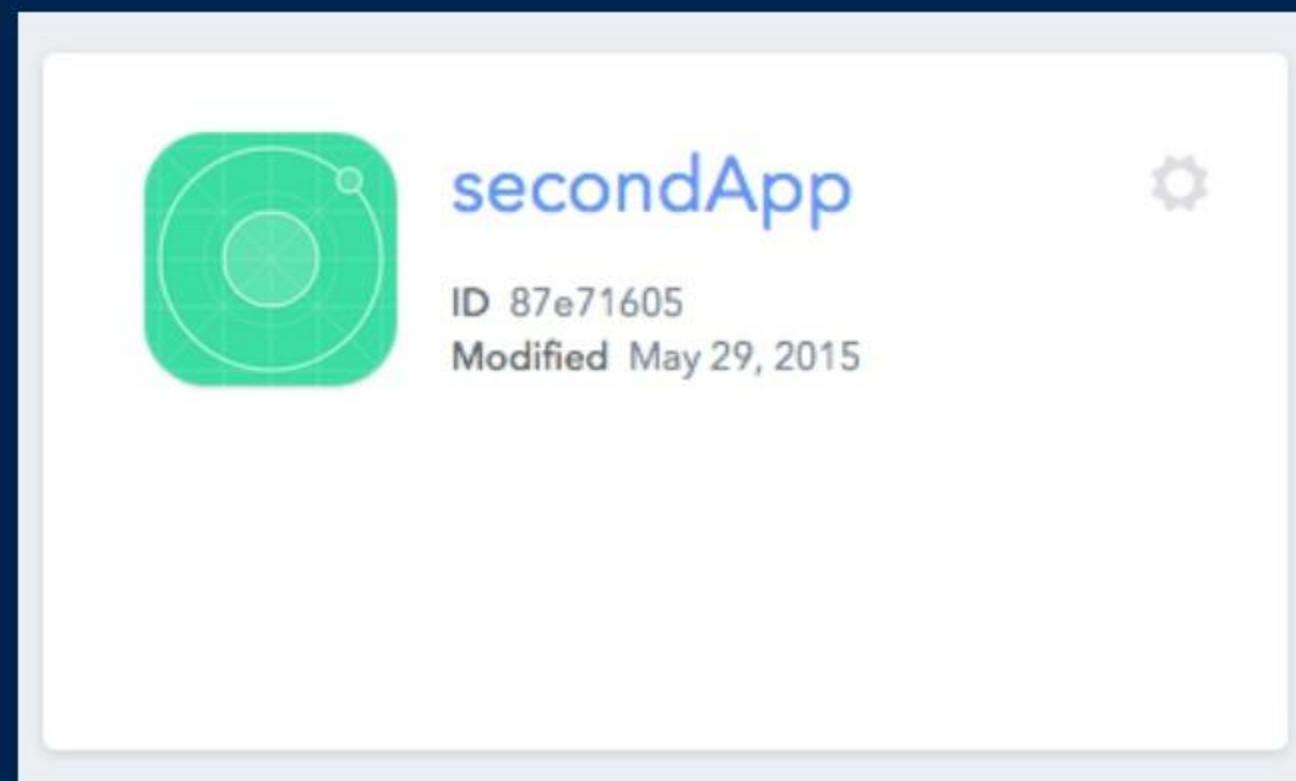
```
cd secondApp  
ionic upload
```

ionic upload 는 ionic 에서 관리하는 클라우드로 본앱을 업로드하는 명령어

```
To continue, please login to your Ionic account.  
Don't have one? Create a one at: https://apps.ionic.io/signup  
  
Email: : 이메일  
Password: 패스워드  
Logged in! :)  
  
Uploading app...  
Successfully uploaded (f6409fca)  
  
Share your beautiful app with someone:  
$ ionic share EMAIL
```

ionic cloud

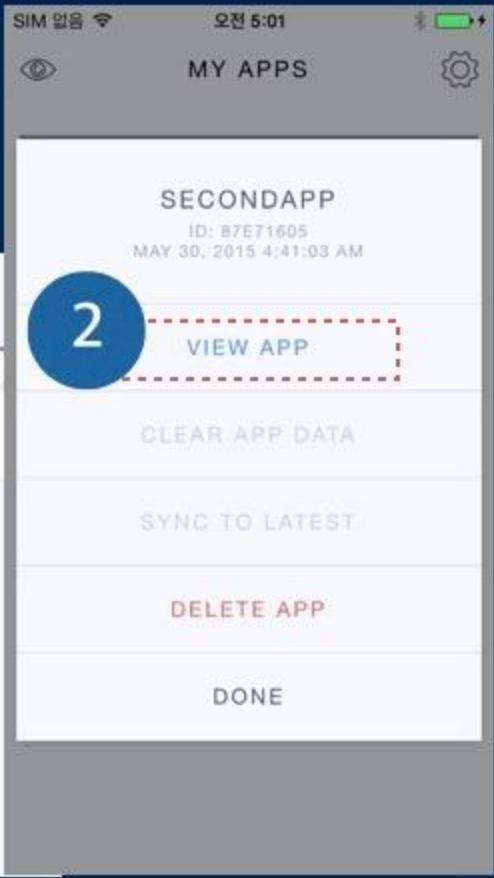
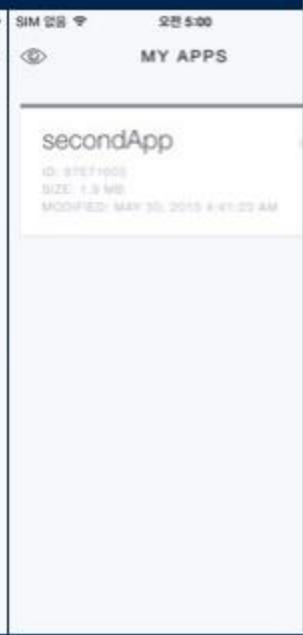
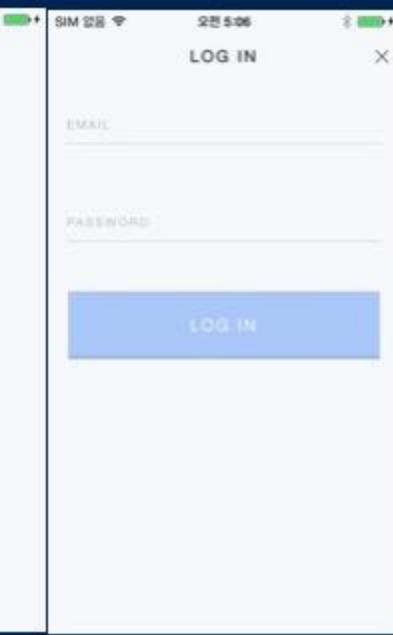
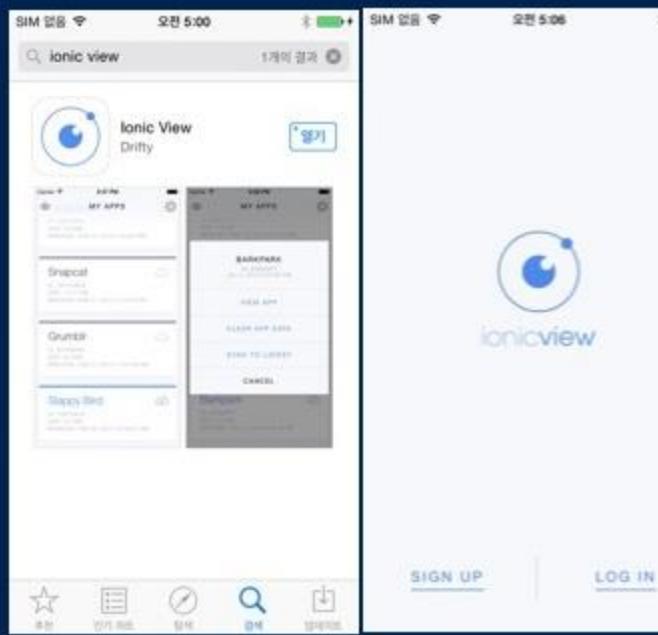
<https://apps.ionic.io/apps>



아이폰 테스트



1 ionic view 앱 다운로드

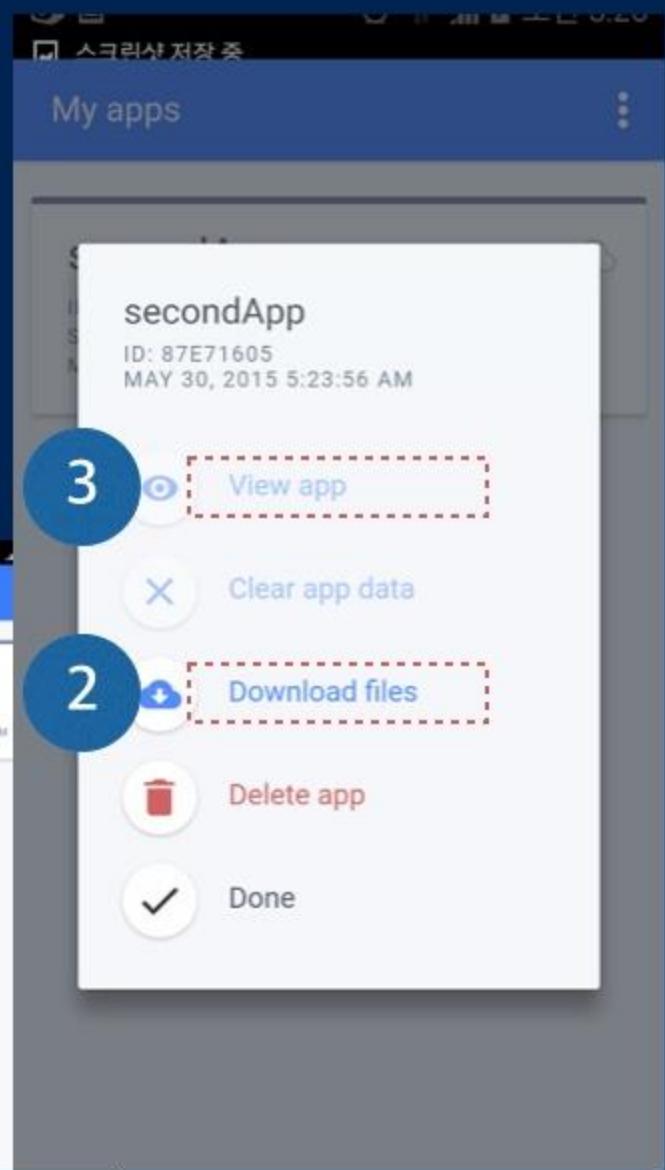
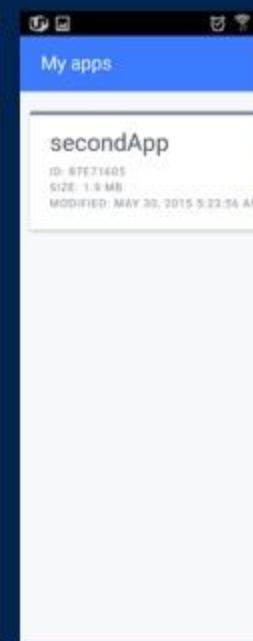


안드로이드 테스트



1 ionic view 앱 다운로드

Download files 필수



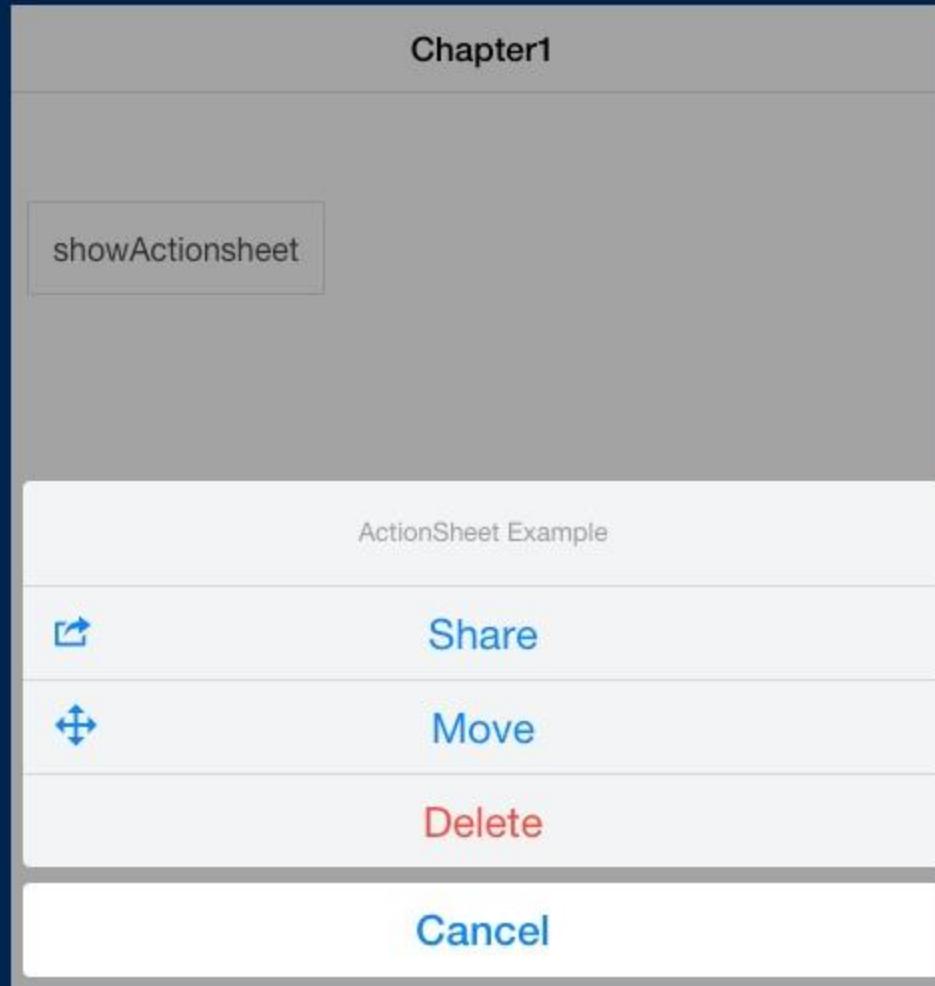
4. 아이오닉 자바스크립트 컴포넌트 #1

<http://codepen.io/gnomeontherun/> 참고

앞으로의 실습 방법

- 1 www/app.js 경로 추가
- 2 www/templates/ 폴더에 새로운 템플릿 파일 추가
- 3 www/js/controllers.js 수정

1. Actionsheet



app.js

```
.state('ch1', {  
    url: "/ch1",  
    templateUrl: "templates/ch1.html"  
})
```

controller.js

```
.controller('ActionsheetCtrl', function($scope, $ionicActionSheet) {
  $scope.showActionsheet = function() {
    $ionicActionSheet.show({
      titleText: 'ActionSheet Example',
      buttons: [
        { text: '<i class="icon ion-share"></i> Share' },
        { text: '<i class="icon ion-arrow-move"></i> Move' },
      ],
      destructiveText: 'Delete',
      cancelText: 'Cancel',
      cancel: function() {
        console.log('CANCELLED');
      },
      buttonClicked: function(index) {
        console.log('BUTTON CLICKED', index);
        return true;
      },
      destructiveButtonClicked: function() {
        console.log('DESTRUCT');
        return true;
      }
    });
  }
})
```

/www/templates/ch1.html

```
<ion-view view-title="Chapter1">
  <ion-content ng-controller="ActionsheetCtrl">
    <div class="content padding has-header">
      <button class="button button-light" ng-click="showActionsheet()">
        showActionsheet
      </button>
    </div>
  </ion-content>
</ion-view>
```

/www/templates/home.html

```
<ion-view view-title="Menu">
  <ion-content>
    <div class="content">
      <button class="button button-full button-light" ui-sref="ch1">
        Chapter1
      </button>
    </div>
  </ion-content>
</ion-view>
```

2. Loading



app.js

```
.state('ch2', {  
    url: "/ch2",  
    templateUrl: "templates/ch2.html"  
})
```

controller.js

```
.controller('LoadingCtrl', function($scope, $timeout, $ionicLoading) {  
  // Setup the loader  
  $ionicLoading.show({  
    content: 'Loading',  
    animation: 'fade-in',  
    showBackdrop: true,  
    maxWidth: 200,  
    showDelay: 0  
  });  
  
  $timeout(function () {  
    $ionicLoading.hide();  
    $scope.stooges = [{name: 'Moe'}, {name: 'Larry'}, {name:  
      'Curly'}];  
  }, 2000);  
});
```

/www/templates/home.html

chapter2 입력

```
<ion-view view-title="Menu">
  <ion-content>
    <div class="content">
      <button class="button button-full button-light" ui-sref="ch1">
        Chapter1
      </button>
      <button class="button button-full button-light" ui-sref="ch2">
        Chapter2
      </button>
    </div>
  </ion-content>
</ion-view>
```

/www/templates/ch2.html

chapter2 입력

```
<ion-view title="Chapter2">
  <ion-content ng-controller="LoadingCtrl">
    <ion-list>
      <ion-item ng-repeat="stooge in stooges" href="#">
        {{stooge.name}}
      </ion-item>
    </ion-list>
  </ion-content>
</ion-view>
```



수고하셨습니다. :)

ABCD

<http://abcds.kr>

<https://www.facebook.com/groups/562787713823026/>

한성일

<https://www.facebook.com/jamie.han.16>

iheart79@gmail.com

Ionic 으로 모바일 앱 만들기

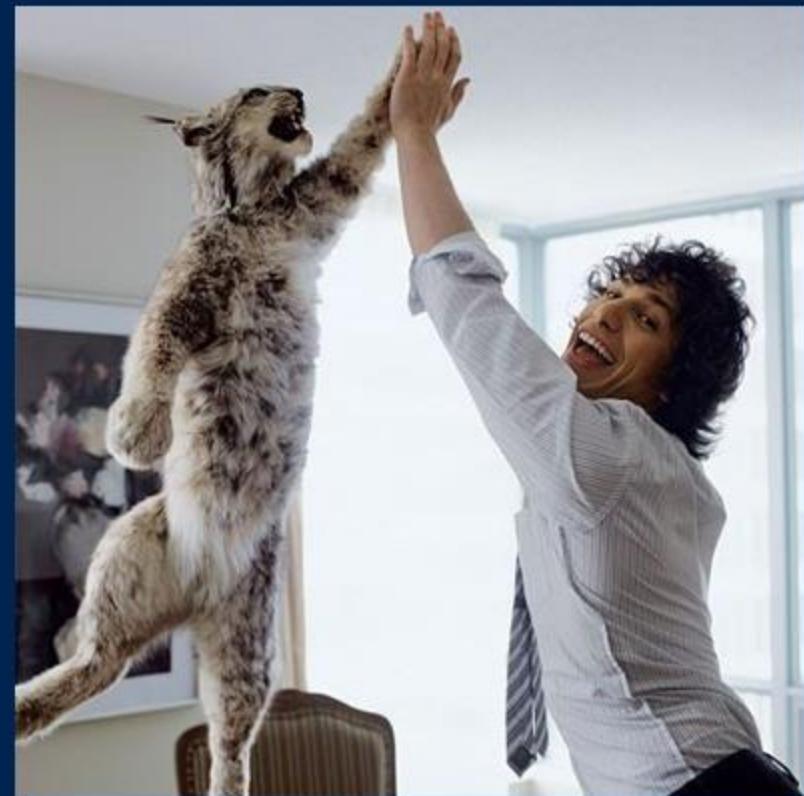
#4. API, Javascript Component, Publishing



ABCD, 스노우키위 한성일

코스

1. API 찾기
2. Ionic Javascript Component #2
3. Publishing
4. 토론



1. API 찾기



API(Application Programming Interface)

프로그램의 내장 기능들을 사용 할 수 있도록 미리 정의
프로그램에게 요청을 하기 위한 통로, 규약



easy..

API 문서

[http://ionicframework.com/docs/nightly/api/service/\\$ionicGesture/](http://ionicframework.com/docs/nightly/api/service/$ionicGesture/)

Methods

`on(eventType, callback, $element, options)`

Add an event listener for a gesture on an element. See [ionic.EventController](#).

Param	Type	Details
eventType	string	The gesture event to listen for.
callback	function(e)	The function to call when the gesture happens.
\$element	element	The angular element to listen for the event on.
options	object	object. <ul style="list-style-type: none">Returns: ionic.Gesture The gesture object (use this to remove the gesture later on).

`off(gesture, eventType, callback)`

Remove an event listener for a gesture on an element. See [ionic.EventController](#).

Param	Type	Details
gesture	ionic.Gesture	The gesture that should be removed.
eventType	string	The gesture event to remove the listener for.
callback	function(e)	The listener to remove.

함수
Param
Type
Detail

구글검색이 더 빠를지도.

Google \$ionicGesture

웹문서 지도 이미지 동영상 뉴스 더보기 검색 도구

검색결과 약 834개 (0.35초)

이것을 찾으셨나요? [\\$ionic Gesture](#)

\$ionicGesture - Service in module ionic - Ionic Framework
[ionicframework.com/docs/api/service/\\$ionicGesture/](http://ionicframework.com/docs/api/service/$ionicGesture/) ▾ 이 페이지 번역하기

Param, Type, Details, eventType, string: The gesture event to listen for. callback, function(e).
The function to call when the gesture happens. \$element, element.

Call a controller method in \$ionicGesture - Ionic Forum
forum.ionicframework.com > ... > uncategorized ▾ 이 페이지 번역하기

2014. 3. 15. – How can i call a controller method when swipe is triggered. something like this.
directive('swiped', ['\$ionicGesture', function(\$ionicGesture) ...

I don't understand how to use \$ionicGesture - Ionic Forum 2014년 11월 26일
\$ionicGesture on ng-repeat element - Ionic Forum 2014년 7월 1일
\$ionicGesture not working on device or emulator - Ionic Forum 2014년 6월 23일
\$ionicGesture Element - Ionic 2014년 5월 5일

forum.ionicframework.com 검색결과 더보기

Ionic \$ionicGesture example: 1.0.0-beta.14 - CodePen
codepen.io/shprink/pen/txiu ▾ 이 페이지 번역하기

<title>Ionic \$ionicGesture example: 1.0.0-beta.14</title>. 6. 7. <link href="http://code.ionicframework.com/1.0.0-beta.14/css/ionic.css" rel="stylesheet">. 8.
이 페이지를 15. 6. 5에 방문했습니다.

touch - swipe directive in ionic framework? - Stack Overflow
[stack overflow.com/.../swipe-directive-in-ionic-frame...](http://stackoverflow.com/.../swipe-directive-in-ionic-frame...) ▾ 이 페이지 번역하기

2014. 4. 30. – directive('detectGestures', function(\$ionicGesture) { return { restrict : 'A', link : function(scope, elem, attrs) { var gestureType = attrs.gestureType ...

2. Ionic Javascript Component #2

<http://ionicframework.com/docs/nightly/api/>

Contents

ion-content

<http://ionicframework.com/docs/api/directive/ionContent/>

```
<ion-content  
  [delegate-handle="" ]  
  [direction="" ]  
  [locking="" ]  
  [padding="" ]  
  [scroll="" ]  
  [overflow-scroll="" ]  
  [scrollbar-x="" ]  
  [scrollbar-y="" ]  
  [start-x="" ]  
  [start-y="" ]  
  [on-scroll="" ]  
  [on-scroll-complete="" ]  
  [has-bouncing="" ]  
  [scroll-event-interval="" ]>  
  </ion-content>
```

Refresh

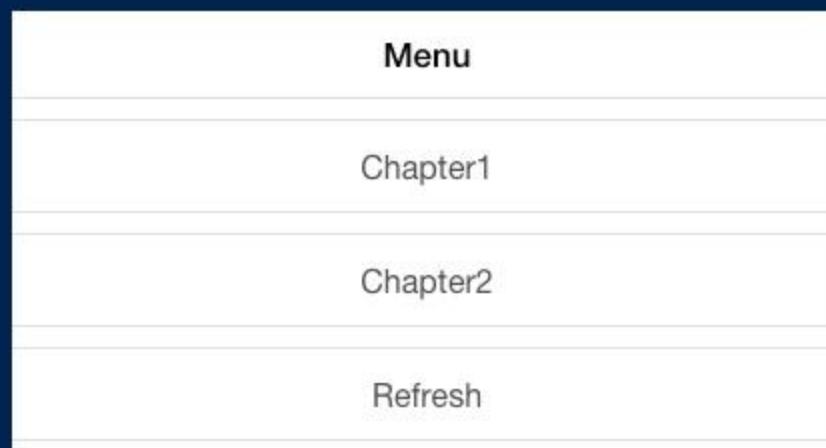


<http://ionicframework.com/docs/api/directive/ionRefresher/>

/www/templates/home.html

메뉴

```
<ion-view view-title="Menu">
  <ion-content>
    <div class="content">
      ...
      <button class="button button-full button-light" ui-sref="refresh">
        Refresh
      </button>
      ...
    </div>
  </ion-content>
</ion-view>
```



/www/js/app.js

```
.config(function($stateProvider, $urlRouterProvider) {  
...  
    .state('refresh', {  
        url: "/refresh",  
        templateUrl: "templates/refresh.html"  
    })  
...  
})
```

/www/js/controllers.js

```
.controller('RefreshCtrl', function($scope, $timeout) {
  $scope.items = ['Item 1', 'Item 2', 'Item 3'];

  $scope.doRefresh = function() {
    $timeout( function() {
      $scope.items.push('New Item ' + Math.floor(Math.random() * 1000) + 4);
      $scope.$broadcast('scroll.refreshComplete');
    }, 1000);
  };
});
```

/www/templates/refresh.html

파일 추가

```
<ion-view title="Pull To Refresh" ng-controller="RefreshCtrl">
  <ion-content>
    <ion-refresher on-refresh="doRefresh()">
      </ion-refresher>
    <ion-list>
      <ion-item ng-repeat="item in items">{{item}}</ion-item>
    </ion-list>
  </ion-content>
</ion-view>
```

/www/css/style.css

```
body {  
  cursor: url('http://ionicframework.com/img/finger.png'), auto;  
}
```

Inputs

← Back **Inputs**

Checkbox

Checkbox Label

Radio

Choose A

Choose B

Choose C

Toggle

Airplane Mode

home.html

```
<button  
  class="button button-full button-light"  
  ui-sref="inputs">  
  inputs  
</button>
```

app.js

```
.state('inputs', {  
  url: "/inputs",  
  templateUrl: "templates/inputs.html"  
})
```

inputs.html

```
<ion-view title="Inputs">
  <ion-content>
    <p>Checkbox</p>
    <ion-checkbox ng-model="isChecked">Checkbox Label</ion-checkbox>
    <p>Radio</p>
    <ion-radio ng-model="choice" ng-value="'A'">Choose A</ion-radio>
    <ion-radio ng-model="choice" ng-value="'B'">Choose B</ion-radio>
    <p>Toggle</p>
    <ion-toggle ng-model="airplaneMode" toggle-class=" toggle-calm">
      Airplane Mode
    </ion-toggle>
  </ion-content>
</ion-view>
```

Events



home.html

```
<button  
    class="button button-full button-light"  
    ui-sref="events">  
    Events  
</button>
```

app.js

```
.state('events', {  
    url: "/events",  
    templateUrl: "templates/events.html"  
})
```

controllers.js #1

```
.controller('EventCtrl', function($scope, $timeout) {
    $scope.onHold = function() {
        alert('onHold');
    };
    $scope.onTap = function() {
        alert('onTap');
    };
    $scope.onDoubleTap = function() {
        alert('onDoubleTap');
    };
    $scope.onTouch = function() {
        alert('onTouch');
    };
    $scope.onRelease = function() {
        alert('onRelease');
    };
    $scope.onDrag = function() {
        alert('onDrag');
    };
    $scope.onDragUp = function() {
        alert('onDragUp');
    };
    $scope.onDragRight = function() {
        alert('onDragRight');
    };
});
```

controllers.js #2

```
$scope.onDragDown = function() {
    alert('onDragDown');
};

$scope.onDragLeft = function() {
    alert('onDragLeft');
};

$scope.onSwipe = function() {
    alert('onSwipe');
};

$scope.onSwipeUp = function() {
    alert('onSwipeUp');
};

$scope.onSwipeRight = function() {
    alert('onSwipeRight');
};

$scope.onSwipeDown = function() {
    alert('onSwipeDown');
};

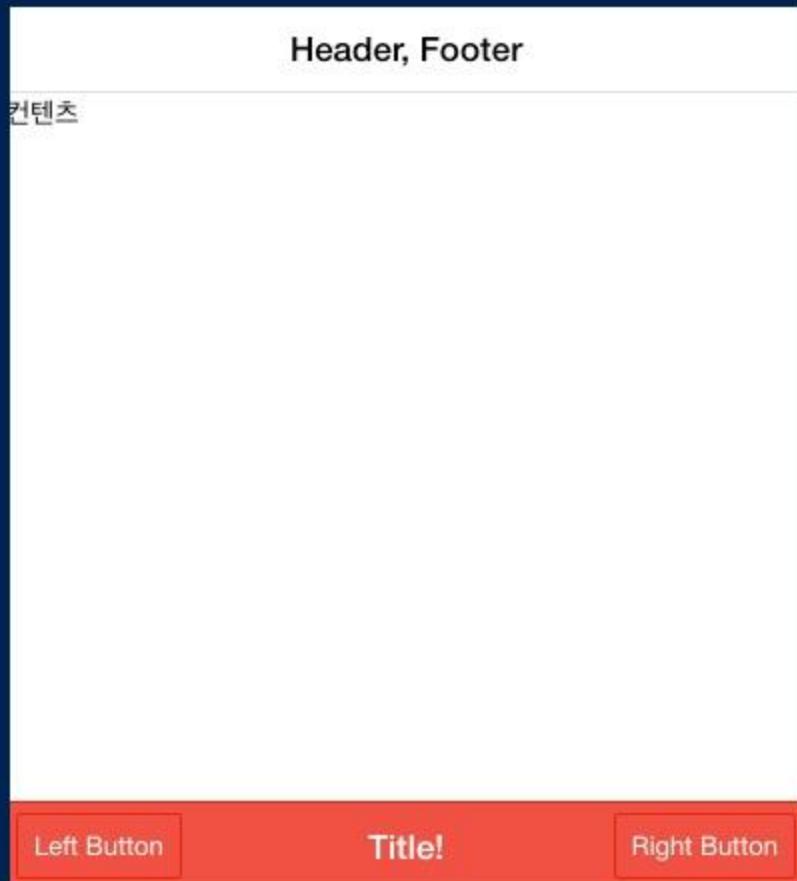
$scope.onSwipeLeft = function() {
    alert('onSwipeLeft');
};

})
```

events.html

```
<ion-view title="Events" ng-controller="EventCtrl">
  <ion-content>
    <button on-hold="onHold()" class="button">onHold</button>
    <button on-tap="onTap()" class="button">onTap</button>
    <button on-double-tap="onDoubleTap()" class="button">onDoubleTap</button>
    <button on-touch="onTouch()" class="button">onTouch</button>
    <button on-release="onRelease()" class="button">onRelease</button>
    <button on-drag="onDrag()" class="button">onDrag</button>
    <button on-drag-up="onDragUp()" class="button">onDragUp</button>
    <button on-drag-right="onDragRight()" class="button">onDragRight</button>
    <button on-drag-down="onDragDown()" class="button">onDragDown</button>
    <button on-drag-left="onDragLeft()" class="button">onDragLeft</button>
    <button on-swipe="onSwipe()" class="button">onSwipe</button>
    <button on-swipe-up="onSwipeUp()" class="button">onSwipeUp</button>
    <button on-swipe-right="onSwipeRight()" class="button">onSwipeRight</button>
    <button on-swipe-down="onSwipeDown()" class="button">onSwipeDown</button>
    <button on-swipe-left="onSwipeLeft()" class="button">onSwipeLeft</button>
  </ion-content>
</ion-view>
```

Header/Footer



home.html

```
<button  
    class="button button-full button-light"  
    ui-sref="header-footer">  
    Header, Footer  
</button>
```

app.js

```
.state('header-footer', {  
    url: "/header-footer",  
    templateUrl: "templates/header-footer.html"  
})
```

header-footer.html

```
<ion-view title="Header, Footer">
  <ion-header-bar align-title="left" class="bar-positive">
    <div class="buttons">
      <button class="button" ng-click="">Left Button</button>
    </div>
    <h1 class="title">Title!</h1>
    <div class="buttons">
      <button class="button">Right Button</button>
    </div>
  </ion-header-bar>

  <ion-content>
    컨텐츠
  </ion-content>

  <ion-footer-bar align-title="left" class="bar-assertive">
    <div class="buttons">
      <button class="button">Left Button</button>
    </div>
    <h1 class="title">Title!</h1>
    <div class="buttons" ng-click="">
      <button class="button">Right Button</button>
    </div>
  </ion-footer-bar>
</ion-view>
```

Keyboard

<http://ionicframework.com/docs/api/page/keyboard/>

Lists

<http://ionicframework.com/docs/nightly/api/directive/ionList/>

home.html

```
<button  
  class="button button-full button-light"  
  ui-sref="list">  
  List  
</button>
```

app.js

```
.state('list', {  
    url: "/list",  
    templateUrl: "templates/list.html"  
})
```

controllers.js

```
.controller('listCtrl', function($scope) {
  $scope.shouldShowDelete = false;
  $scope.shouldShowReorder = false;
  $scope.listCanSwipe = true;
  $scope.items = [
    {img: 'http://ionicframework.com/img/finger.png', title: 'title1', desc: 'desc'}
    , {img: 'http://ionicframework.com/img/finger.png', title: 'title2', desc: 'desc'}
    , {img: 'http://ionicframework.com/img/finger.png', title: 'title3', desc: 'desc'}
  ];
})
})
```

list.html

```
<ion-view title="List" >
  <ion-content>
    <ion-list ng-controller="listCtrl"
      show-delete="shouldShowDelete"
      show-reorder="shouldShowReorder"
      can-swipe="listCanSwipe">
      <ion-item ng-repeat="item in items" class="item-thumbnail-left">
        
          Share
        </ion-option-button>
        <ion-option-button class="button-info" ng-click="edit(item)">
          Edit
        </ion-option-button>
        <ion-delete-button class="ion-minus-circled"
          ng-click="items.splice($index, 1)">
        </ion-delete-button>
        <ion-reorder-button class="ion-navicon"
          on-reorder="reorderItem(item, $fromIndex, $toIndex)">
        </ion-reorder-button>
      </ion-item>
    </ion-list>
  </ion-content>
</ion-view>
```

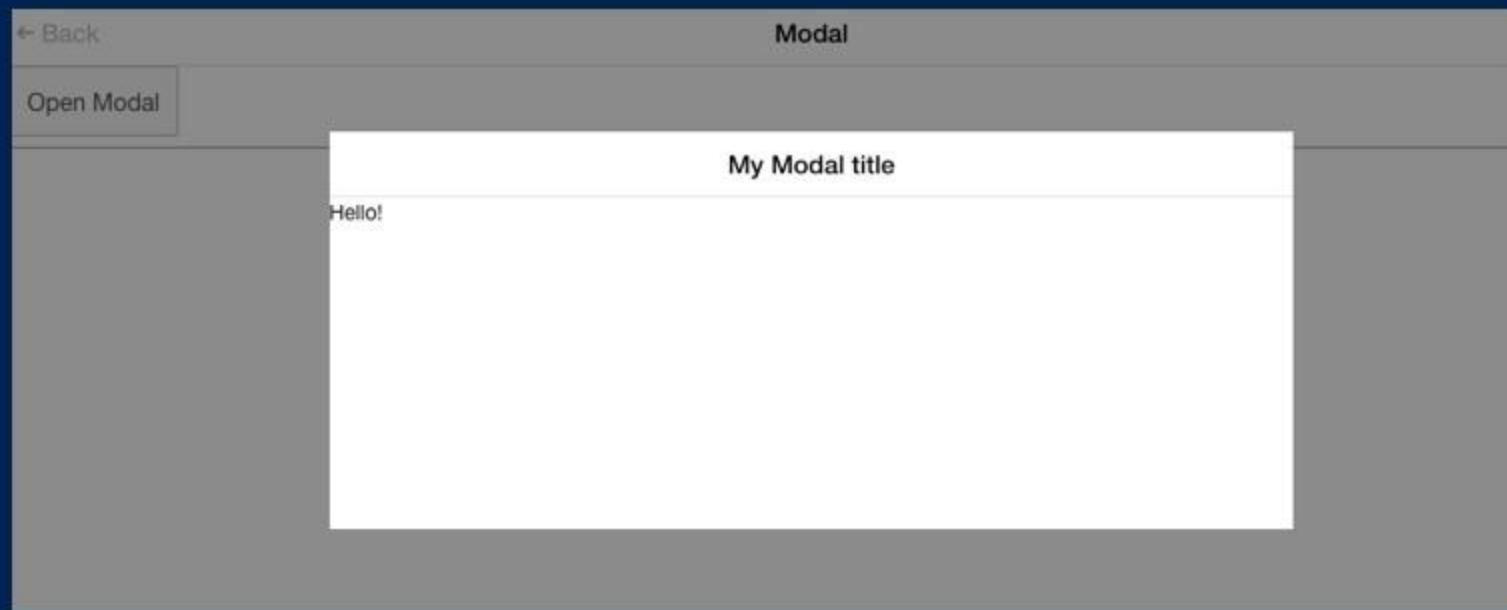
Loading

[http://ionicframework.com/docs/nightly/api/service/\\$ionicLoading/](http://ionicframework.com/docs/nightly/api/service/$ionicLoading/)

ch2 참조

Modal

<http://ionicframework.com/docs/api/directive/ionNavView/>



home.html

```
<button  
  class="button button-full button-light"  
  ui-sref="modal">  
  Modal  
</button>
```

app.js

```
.state('modal', {  
    url: "/modaí",  
    templateUrl: "templates/modal.html"  
})
```

controllers.js

```
.controller('ModalCtrl', function($scope, $ionicModal) {
  $ionicModal.fromTemplateUrl('my-modal.html', {
    scope: $scope,
    animation: 'slide-in-up'
  }).then(function(modal) {
    $scope.modal = modal;
  });
  $scope.openModal = function() {
    $scope.modal.show();
  };
  $scope.closeModal = function() {
    $scope.modal.hide();
  };
})
```

modal.html

```
<ion-view view-title="Modal" ng-controller="ModalCtrl">
  <ion-content>
    <button class="button"
      ng-click="openModal()">Open Modal</button>
    <hr>
  </ion-content>

  <script id="my-modal.html" type="text/ng-template">
    <ion-modal-view>
      <ion-header-bar>
        <h1 class="title">My Modal title</h1>
      </ion-header-bar>
      <ion-content>
        Hello!
      </ion-content>
    </ion-modal-view>
  </script>
</ion-view>
```

Navigation

<http://ionicframework.com/docs/api/directive/ionNavView/>

Platform

[http://ionicframework.com/docs/api/service/\\$ionicPlatform/](http://ionicframework.com/docs/api/service/$ionicPlatform/)

Popover

[http://ionicframework.com/docs/api/service/\\$ionicPopover/](http://ionicframework.com/docs/api/service/$ionicPopover/)



app.js

```
.state('popover', {  
    url: "/popover",  
    templateUrl: "templates/popover.html"  
})
```

popover.html

```
<ion-view title="Popover" ng-controller="PopoverCtrl">  
  <ion-content>  
    <button ng-click="openPopover($event)">Open Popover</button>  
  </ion-content>  
  
<script id="my-popover.html" type="text/ng-template">  
  <ion-popover-view>  
    <ion-header-bar>  
      <h1 class="title">My Popover Title</h1>  
    </ion-header-bar>  
    <ion-content>  
      Hello!  
    </ion-content>  
  </ion-popover-view>  
</script>  
</ion-view>
```

controllers.js

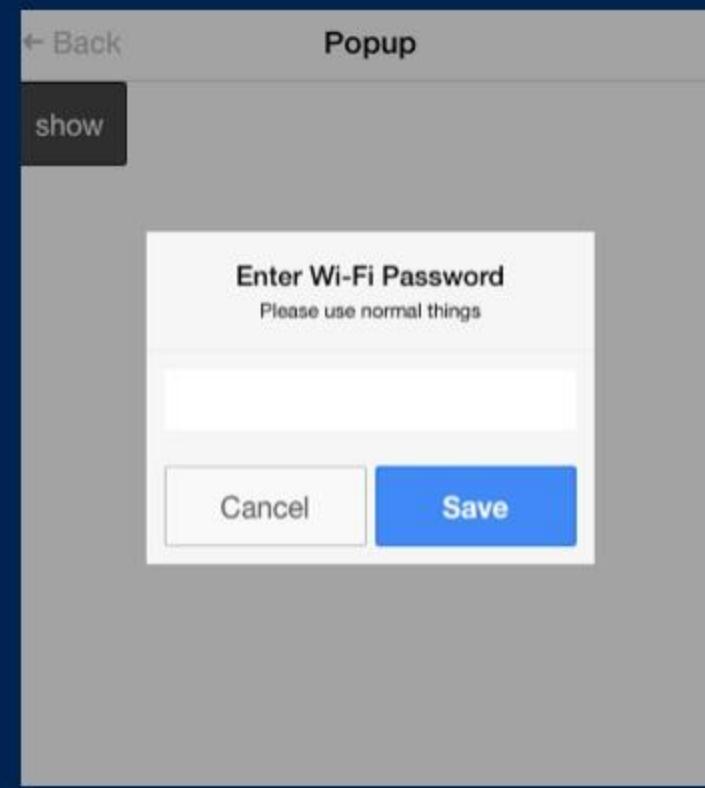
```
.controller('PopoverCtrl', function($scope, $ionicPopover) {
  var template = '<ion-popover-view><ion-header-bar> <h1
class="title">My Popover Title</h1> </ion-header-bar> <ion-content>
Hello! </ion-content></ion-popover-view>';
  $scope.popover = $ionicPopover.fromTemplate(template, {
    scope: $scope
  });

  // .fromTemplateUrl() method
  $ionicPopover.fromTemplateUrl('my-popover.html', {
    scope: $scope
  }).then(function(popover) {
    $scope.popover = popover;
  });

  $scope.openPopover = function($event) {
    $scope.popover.show($event);
  };
  $scope.closePopover = function() {
    $scope.popover.hide();
  };
})
```

Popup

[http://ionicframework.com/docs/api/service/\\$ionicPopover/](http://ionicframework.com/docs/api/service/$ionicPopover/)



app.js

```
.state('popup', {  
  url: "/popup",  
  templateUrl: "templates/popup.html"  
})
```

popup.html

```
<ion-view title="Popup" ng-controller="PopupCtrl">
  <ion-content>
    <button class="button button-dark"
      ng-click="showPopup()">
      show
    </button>
  </ion-content>
</ion-view>
```

controllers.js

```
.controller('PopupCtrl',function($scope, $ionicPopup, $timeout) {
  $scope.showPopup = function() {
    $scope.data = {}
    var myPopup = $ionicPopup.show({
      template: '<input type="password" ng-model="data.wifi">',
      title: 'Enter Wi-Fi Password',
      subTitle: 'Please use normal things',
      scope: $scope,
      buttons: [
        { text: 'Cancel' },
        {
          text: '<b>Save</b>',
          type: 'button-positive',
          onTap: function(e) {
            if (!$scope.data.wifi) {
              //don't allow the user to close unless he enters wifi password
              e.preventDefault();
            } else {
              return $scope.data.wifi;
            }
          }
        }
      ]
    });
    myPopup.then(function(res) {
      console.log('Tapped!', res);
    });
    $timeout(function() {
      myPopup.close(); //close the popup after 3 seconds for some reason
    }, 3000);
  };
});
```

Scroll

<http://ionicframework.com/docs/api/directive/ionScroll/>

app.js

```
.state('scroll', {  
    url: "/scroll",  
    templateUrl: "templates/scroll.html"  
})
```

scroll.html

```
<ion-view title="Scroll">
  <ion-content>
    <ion-scroll zooming="true" direction="xy" style="width: 500px; height: 500px">
      <div style="width: 5000px; height: 5000px; background: url('https://upload.wikimedia.org/wikipedia/commons/a/ad/Europe_geological_map-en.jpg') repeat"></div>
    </ion-scroll>
  </ion-content>
</ion-view>
```

home.html

```
<button class="button button-full button-light" ui-sref="scroll">  
    scroll  
</button>
```

InfiniteScroll

<http://ionicframework.com/docs/api/directive/ionInfiniteScroll/>

무한 스크롤..
실제 되는 소스는 아님

infinite.html

```
<ion-content ng-controller="InfiniteCrtl">
  <ion-list>
    ....
    </ion-list>

  <ion-infinite-scroll
    on-infinite="loadMore()"
    distance="1%">
    </ion-infinite-scroll>
  </ion-content>
```

controllers.js

```
.controller('InfiniteCtrl', function($scope, $http) {
  $scope.items = [];
  $scope.loadMore = function() {
    $http.get('/more-items').success(function(items) {
      useItems(items);
      $scope.$broadcast('scroll.infiniteScrollComplete');
    });
  };
  $scope.$on('$stateChangeSuccess', function() {
    $scope.loadMore();
  });
})
```

SideMenus

<http://ionicframework.com/docs/api/directive/ionSideMenus/>

Slide Box

<http://ionicframework.com/docs/api/directive/ionSideMenus/>



BLUE

home.html

```
<button  
  class="button button-full button-light"  
  ui-sref="slidebox">  
  slidebox  
</button>
```

app.js

```
.state('slidebox', {  
  url: "/slidebox",  
  templateUrl: "templates/slidebox.html"  
})
```

slidebox.html

```
<ion-view title="Pull To Refresh">
  <ion-content>
    <ion-slide-box on-slide-changed="slideHasChanged($index)">
      <ion-slide>
        <div class="box blue"><h1>BLUE</h1></div>
      </ion-slide>
      <ion-slide>
        <div class="box yellow"><h1>YELLOW</h1></div>
      </ion-slide>
      <ion-slide>
        <div class="box pink"><h1>PINK</h1></div>
      </ion-slide>
    </ion-slide-box>
  </ion-content>
</ion-view>
```

spinner

<http://ionicframework.com/docs/nightly/api/directive/ionSpinner/>



app.js

```
.state('spinner', {  
  url: "/spinner",  
  templateUrl: "templates/spinner.html"  
})
```

home.html

```
<button  
  class="button button-full button-light"  
  ui-sref="spinner">  
  spinner  
</button>
```

spinner.html

```
<ion-view title="Spinner">
  <ion-content>
    <ion-spinner icon="spiral"></ion-spinner>
    <ion-spinner icon="android"></ion-spinner>
    <ion-spinner icon="ios"></ion-spinner>
  </ion-content>
</ion-view>
```

tabs

<http://ionicframework.com/docs/nightly/api/directive/ionTabs/>

Utility

<http://ionicframework.com/docs/nightly/api/>

3. Publishing

참고 자료



<http://ionicframework.com/docs/guide/publishing.html>

<http://forum.ionicframework.com/t/ionic-tutorial-for-building-a-release-apk/15758>

Release

- 1 ionic platform add android
- 2 cd platforms/android
- 3 keytool -genkey -v -keystore YourApp.keystore -alias YourApp -keyalg RSA -
 keysize 2048 -validity 10000
- 4 platforms/android key.store=YourApp.keystore
 ant.properties 생성 key.alias=YourApp
- 5 platforms/android
 secure.properties 생성
- 6 custom_rules.xml <property file="secure.properties" />
- 7 cd ..
 cd ..
 ionic build android --release

4. 토론

궁금한점?
어떻게 만드는게 좋을지?
어떻게 만들지?
어떻게 배우고 싶은지?
빠진게 없는지?



정말 정말
수고하셨습니다. :)

ABCD

<http://abcds.kr>

<https://www.facebook.com/groups/562787713823026/>

한성일

<https://www.facebook.com/jamie.han.16>

iheart79@gmail.com

Ionic 으로 모바일 앱 만들기

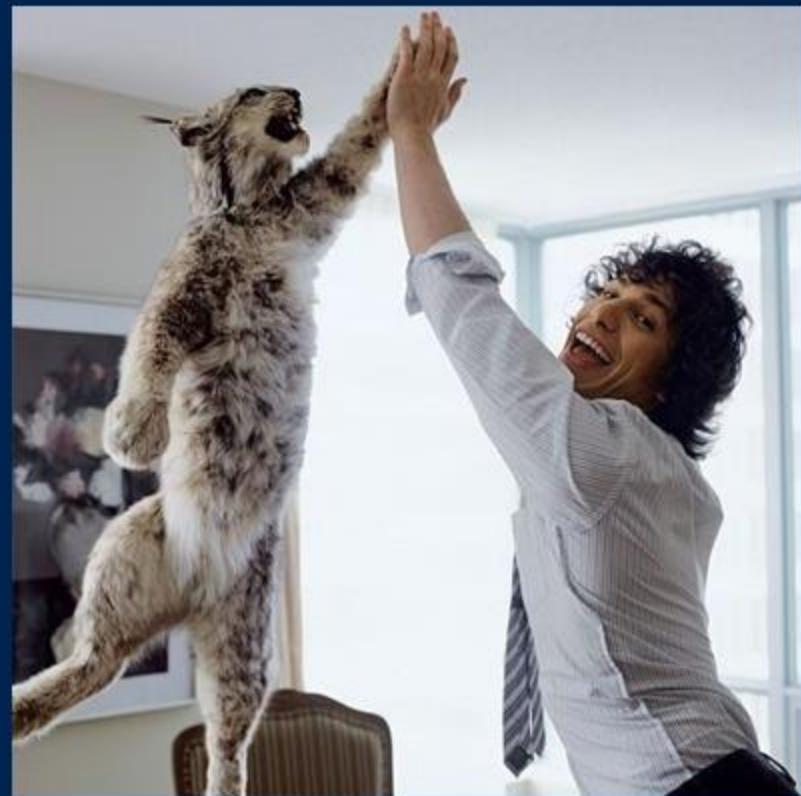
#5. 빌드, 영화 검색 프로젝트



ABCD, 스노우키위 한성일

코스

1. 빌드
2. 기획
3. 프로젝트



1. 빌드(Build)

컴파일(Compile)

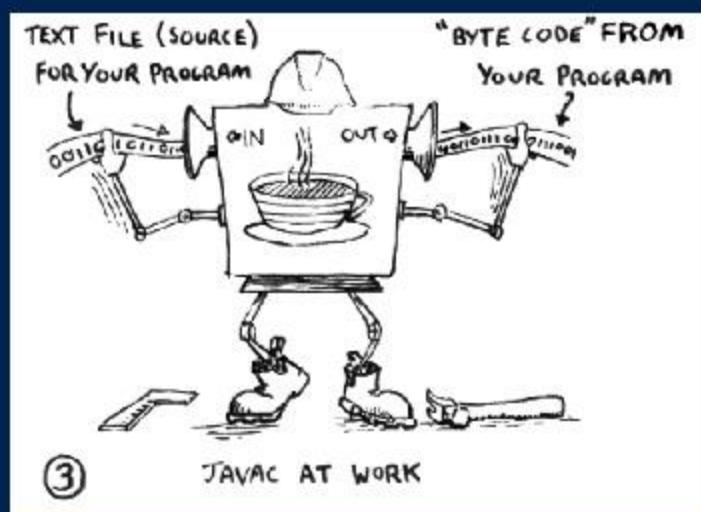
Source Code

```
.controller('InfiniteCtrl', function($scope, $http) {
  $scope.items = [];
  $scope.loadMore = function() {
    $http.get('/more-items').success(function(items) {
      useItems(items);
      $scope.$broadcast('scroll.infiniteScrollComplete');
    });
  };
  $scope.$on('$stateChangeSuccess', function() {
    $scope.loadMore();
  });
})
```



Binary

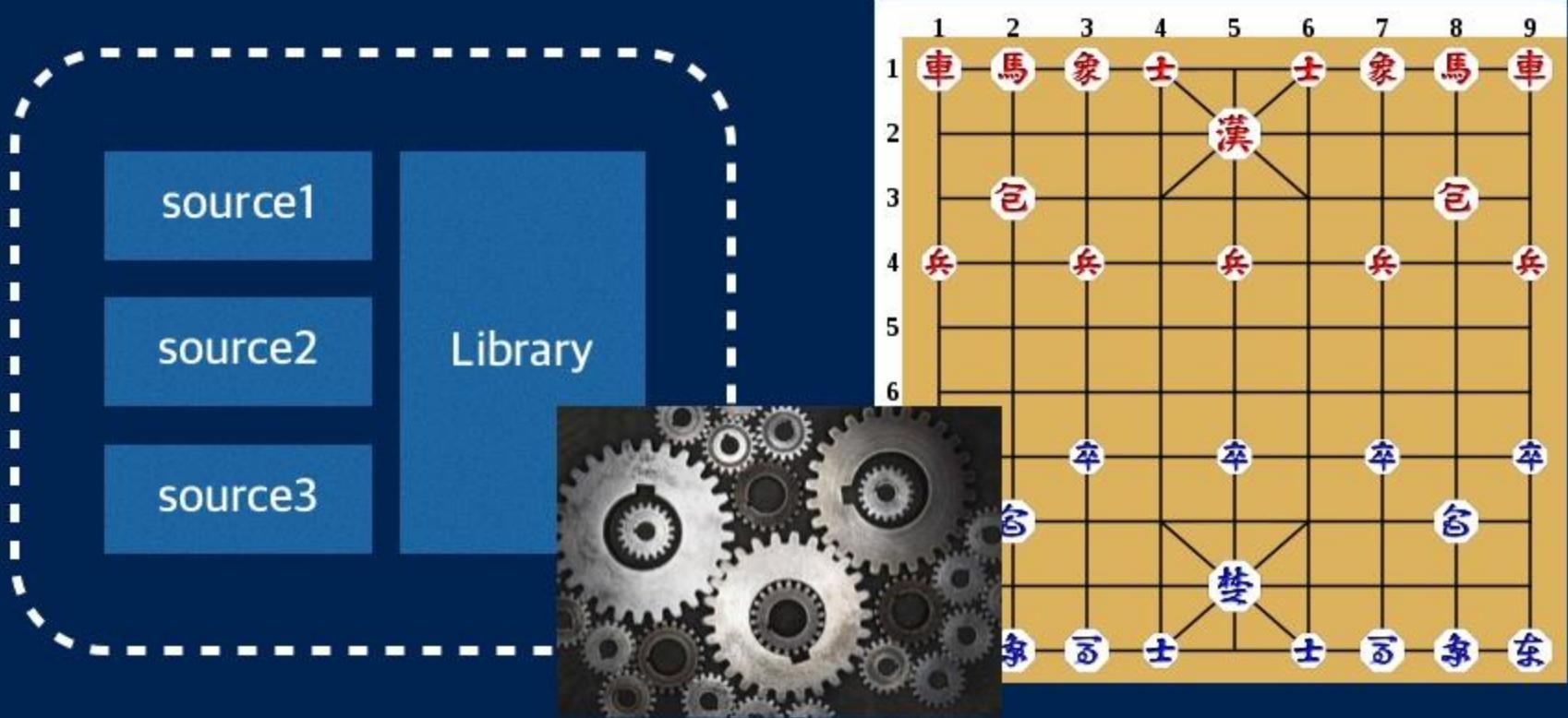
```
01100011110001001101100001000111010001001111101011000111  
1011101010000001111110101111001100001111111111110111110  
1111111111001111010001110101001100001111000100101111001000  
11111000110101010011110111110010011111111111111111111111  
110011111110011000000000001101111101001011001011111111111  
11111111100000111000111000111110011111000000001101011111110  
0000111010011100100111110111110000111111001100110001011  
100111110000110001100111010111110001001011111111111111111  
1001001111111110011101111000111111000101111110001111111110  
1101111010111101110011111111001111111001111110001001111  
11111000100101111000110001111100011111111111111111111111111  
1110111111110000111000000101111001111111100000000111001100  
1010000011100111111011111111111100000000110001000011000  
1110011101101111111100101111110110111110000000011111111111  
110011001100100001000111111110001111110010000001000001000  
000011111101110010011100001111110111111111111000100111  
100001100110010111001000110001001101011111000011000111111  
001111001111111001111111001111110011010111111100101111111  
1110011111111011111000100111111101111111001111111110000000  
010110101101101111111010011010101010111111010000010
```



Compiler

GCC, Javac ...

빌드(Build)

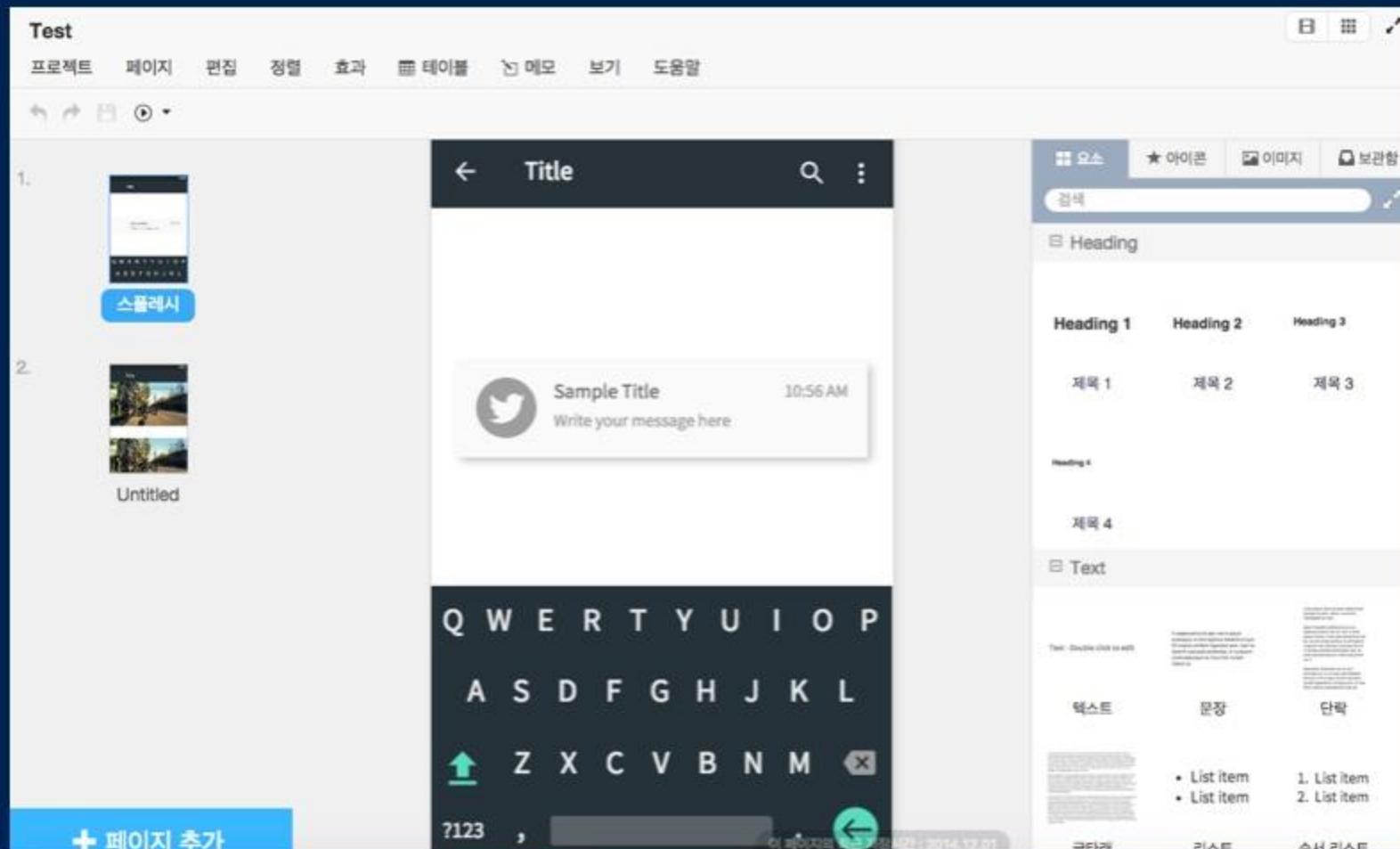


작성한 소스와 라이브러리를 컴파일
지정한 장소로 배치하는 작업
링커가 링크를 연결..
여러 모듈을 합체 동작 가능하도록 ..

2. 기획

Kakao Oven

스토리보드를 만들어 봅시다.
<https://ovenapp.io/>



3. 개발

네이버 API 사용

우선 키를 발급 받아야 함

Cross Domain 문제로 직접 사용 불가 (콜백 기능도 없음)

우리는 wrapper 를 사용하여 API 를 사용



API 키발급 1

(아이오닉에 바로 사용 할 수 없어 여기선 사용하지 않습니다.)

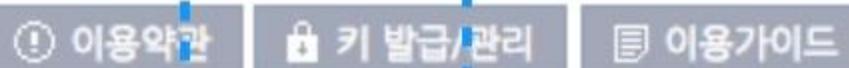
1

<http://developer.naver.com/wiki/pages/SrchAPI>

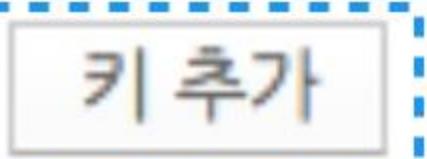
API 명세

- 블로그
- 뉴스
- 책
- 성인 검색어 판별
- 백과사전
- 영화
- 카페글
- 지식IN
- 지역
- 오타변환
- 웹문서
- 이미지
- 쇼핑
- 전문자료

2



3

최대 1개 

API 키발급 2

4

생성된 발급키를 사용합니다.

검색 API 일일처리한도 : 25,000(요청횟수)		최대 1개	키 추가
발급일	발급 정보	오늘 사용 쿼리	관리
2009.01.09	Identifier http://www.abcds.kr 발급키 5874ffa26a4 :ed87e5e21ef2e7	60/25000	수정 삭제

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주소에 키를 넣고 테스트 해봅니다.

<http://openapi.naver.com/search?key=발급키&query=%EC%A3%BC%EC%8B%9D&target=news&start=1&display=10>

API 스펙 예제

<http://developer.naver.com/wiki/pages/News>

2. 요청 변수 (request parameter)

요청 변수	값	설명
key	string (필수)	이용 등록을 통해 받은 key 스트링을 입력합니다.
target	string (필수) : news	서비스를 위해서는 무조건 지정해야 합니다.
query	string (필수)	검색을 원하는 질의, UTF-8 인코딩입니다.
display	integer : 기본값 10, 최대 100	검색결과 출력건수를 지정합니다. 최대 100까지 가능합니다.
start	integer : 기본값 1, 최대 1000	검색의 시작위치를 지정할 수 있습니다. 최대 1000까지 가능합니다.
		정렬 옵션입니다.
sort	string : date (기본값), sim	date : 날짜순(기본값) sim : 유사도순

3. 출력 결과 필드 (response field)

필드	값	설명
rss	-	디버그를 쉽게 하고 RSS 리더기만으로 이용할 수 있게 하기 위해 만든 RSS 포맷의 컨테이너이며 그 외의 특별한 의미는 없습니다.
channel	-	검색 결과를 포함하는 컨테이너입니다. 이 안에 있는 title, link, description 등의 항목은 참고용으로 무시해도 무방합니다.
lastBuildDate	datetime	검색 결과를 생성한 시간입니다.
total	integer	검색 결과 문서의 총 개수를 의미합니다.
start	integer	검색 결과 문서 중, 문서의 시작점을 의미합니다.
display	integer	검색된 검색 결과의 개수입니다.
item	-	개별 검색 결과이며, title, originallink, link, description, pubDate 를 포함합니다.
title	string	검색 결과 문서의 제목을 나타냅니다. 검색어와 일치하는 부분은 테그로 감싸져 있습니다.
originallink	string	검색 결과 문서의 제공 언론사 하이퍼텍스트 link를 나타냅니다.
link	string	검색 결과 문서의 제공 네이버 하이퍼텍스트 link를 나타냅니다.
description	string	검색 결과 문서의 내용을 요약한 페이지 정보입니다. 문서 전체의 내용은 link 를 따라가면 읽을 수 있습니다. 페이지에서 검색어와 일치하는 부분은 테그로 감싸져 있습니다.
pubDate	datetime	검색 결과 문서가 네이버에 제공된 시간입니다.

4. 프로젝트

API



모든 설정이 끝난 ABCD API 를 활용합니다.

영화검색

<http://abcds.kr/study/ionic/movie.php?query=abcd>

Query 에 검색어를 입력합니다.

JSON 결과가 정리가 안됨으로 정리해봅시다.

<http://json.parser.online.fr/>

Json Parser Online You like it? Support it! Donate

```
>{"@attributes":{"version":"2.0"}, "channel": {"title": "Naver Open API - movie :: abcd", "link": "http://vsearch.naver.com", "description": "Naver Search Result", "lastBuildDate": "Sat, 13 Jun 2015 15:21:49 +0900", "totalCount": "2", "start": "1", "display": "2", "item": [{"title": "ABCD (\uc560\ub2e8 \ubc14\ub514 \ucce4)", "link": "http://openapi.naver.com/v1/?AAADWL0QcXBR1Fn2a71M1tT192E8TkKuWQXo7tH4rg7Jfq2zeD4HAO34\l\y/1YF5UToxPodtAjXktQpcw6ZLlBzIu0m0\kRcBgiYX1KAL1QeJ2BqfaCkEDlgtY35\ykuvo7r44f\k/Bkbod9rs0Op1kb8ffBzAxtIakhInCc6AoEz5sKTJUCC1T297gstdfx1+cWpuVRK7\l\y/1YF5dxMeS1PVKG\vrCjpt?0AAAA=", "image": "http://imgmovie.naver.com/mdu/vmit110/1035/103594_P01_163932.jpg", "subtitle": "ABCD (Any Body Can Dance)", "pubDate": "2013", "director": "\ub808\ubab8\l", "actor": "\ub85c\ub80c \ucce4\ud52c\ub\ub9d\l\ud504\ub77c\ubd80 \ub514\ubc14\l\uef00\uef74 \uef00\uef74 \uba54\ub15c\l", "userRating": "8.09", "title": "ABCD", "link": "http://openapi.naver.com/v1/?AAADWL0QcXBR1Fn2a71M1tT192E8TkKuWQXo7tH4rg7Jfq2zeD4HAO34\l\y/1YF5UToxPodtAjXktQpcw6ZLlBzIu0m0\kRcBgiYX1KAL1QeJ2BqfaCkEDlgtY35\ykuvo7r44f\k/Bkbod9rs0Op1kb8ffBzAxtIakhInCc6AoEz5sKTJUCC1T297gstdfx1+cWpuVRK7\l\y/1YF5dxMeS1PVKG\vrCjpt?0AAAA=", "image": "http://imgmovie.naver.com/mdu/vmit110/1317/13178_P01_153527.jpg", "subtitle": "", "pubDate": "1983", "director": "\ub808\ubd00\ubab8\l", "actor": "", "userRating": "8.00\l"}]}
```

String parse	JS eval
<pre>□("@attributes": □("version":"2.0"), "channel": □("title":"Naver Open API - movie ::'abcd'", "link":"http://search.naver.com", "description":"Naver Search Result", "lastBuildDate":"Sat, 13 Jun 2015 15:21:49 +0900", "total":2, "start":1, "display":2, "item": □[□("title": "Naver Open API - movie ::'abcd'", "link": "http://search.naver.com", "description": "Naver Search Result", "lastBuildDate": "Sat, 13 Jun 2015 15:21:49 +0900", "total": 2, "start": 1, "display": 2, "item": □[</pre>	<pre>□("@attributes": □("version":"2.0"), "channel": □("title":"Naver Open API - movie ::'abcd'", "link":"http://search.naver.com", "description":"Naver Search Result", "lastBuildDate":"Sat, 13 Jun 2015 15:21:49 +0900", "total":2, "start":1, "display":2, "item": □[□("title": "Naver Open API - movie ::'abcd'", "link": "http://search.naver.com", "description": "Naver Search Result", "lastBuildDate": "Sat, 13 Jun 2015 15:21:49 +0900", "total": 2, "start": 1, "display": 2, "item": □[</pre>

앱생성

command 툴

ionic-space 로 이동

ionic start movieApp blank

앱설정

app.js

```
.config(function($stateProvider, $urlRouterProvider) {  
    $stateProvider  
        .state('index', {  
            url: "/",  
            templateUrl: "templates/main.html"  
        })  
        .state('movie', {  
            url: "/movie",  
            templateUrl: "templates/movie.html"  
        })  
  
    $urlRouterProvider.otherwise('/');  
})
```

controllers.js

```
.controller('movieCtrl', function($scope, $http) {  
    $http.get("http://abcds.kr/study/ionic/movie.php?query=abcd")  
        .success(  
            function (response) {  
                $scope.movies = response;  
                $scope.items = response.channel.item;  
            });  
});
```

movie.html

```
<ion-view view-title="Menu" >
  <ion-content>
    <ion-list ng-controller="movieCtrl"
      show-delete="shouldShowDelete"
      show-reorder="shouldShowReorder"
      can-swipe="listCanSwipe" >
      <ion-item ng-repeat="item in items" class="item-thumbnail-left">
        
- 7    cd ..  
      cd ..  
      ionic build android --release



정말 정말  
수고하셨습니다. :)

ABCD

<http://abcds.kr>

<https://www.facebook.com/groups/562787713823026/>

한성일

<https://www.facebook.com/jamie.han.16>

[iheart79@gmail.com](mailto:iheart79@gmail.com)