

# IONIC + PARSE

Approccio value-driven per lo sviluppo mobile



<http://2015.angularconf.it>  
#angularconf15

AngularConf 2015





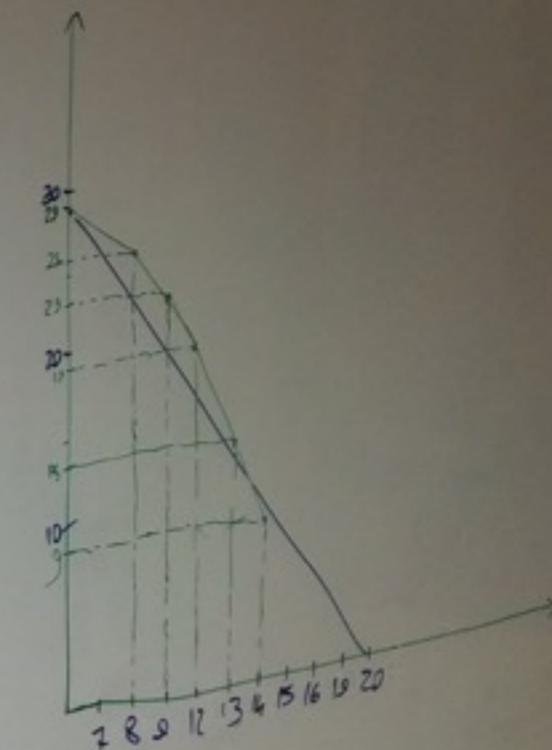
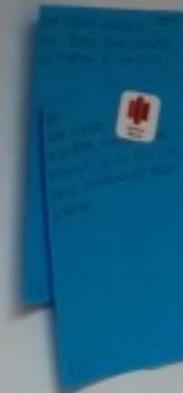
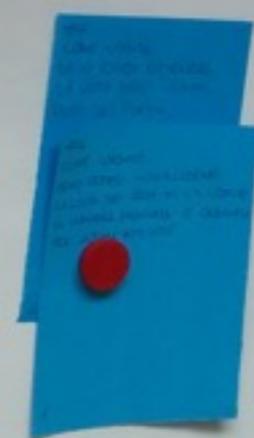
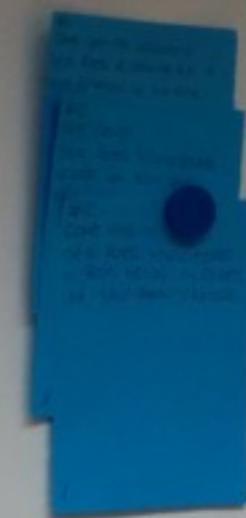
ADMIN@AREA.IT  
ADMIN



A ME PIACE IL SALATO

SPRINT: #0  
GOAL : FORUM  
START : 9-10-2015  
END : 21-10-2015

TODO | DOING | Q.A. | DONE



Come autore  
vorrei pubblicare un mio  
articolo  
così da farlo leggere agli  
utenti del mio blog

Come utente  
vorrei effettuare  
l'autenticazione  
~~così da accedere alle~~  
~~funzionalità private~~



# APPROCCIO VALUE-DRIVEN

Focus sulle funzionalità che danno valore all'utente

# ITERAZIONE # 1

- impostazione della struttura del progetto
- connessione al DBMS
- integrazione dell'email provider
- setup dell'ambiente di test
- ...

# RETROSPETTIVA

Quanto vale questo primo ciclo di sviluppo per l'utente?

## STOP DOING

Sviluppare funzionalità  
senza valore per  
l'utente

## START DOING

Sviluppare utilizzando  
gli strumenti giusti

# IONIC FRAMEWORK

Apache Cordova + AngularJS  
per lo sviluppo di applicazione mobile ibride

# LET'S GET STARTED

```
$ npm install -g cordova ionic
```

```
$ ionic start [options] <PATH> [template]
```

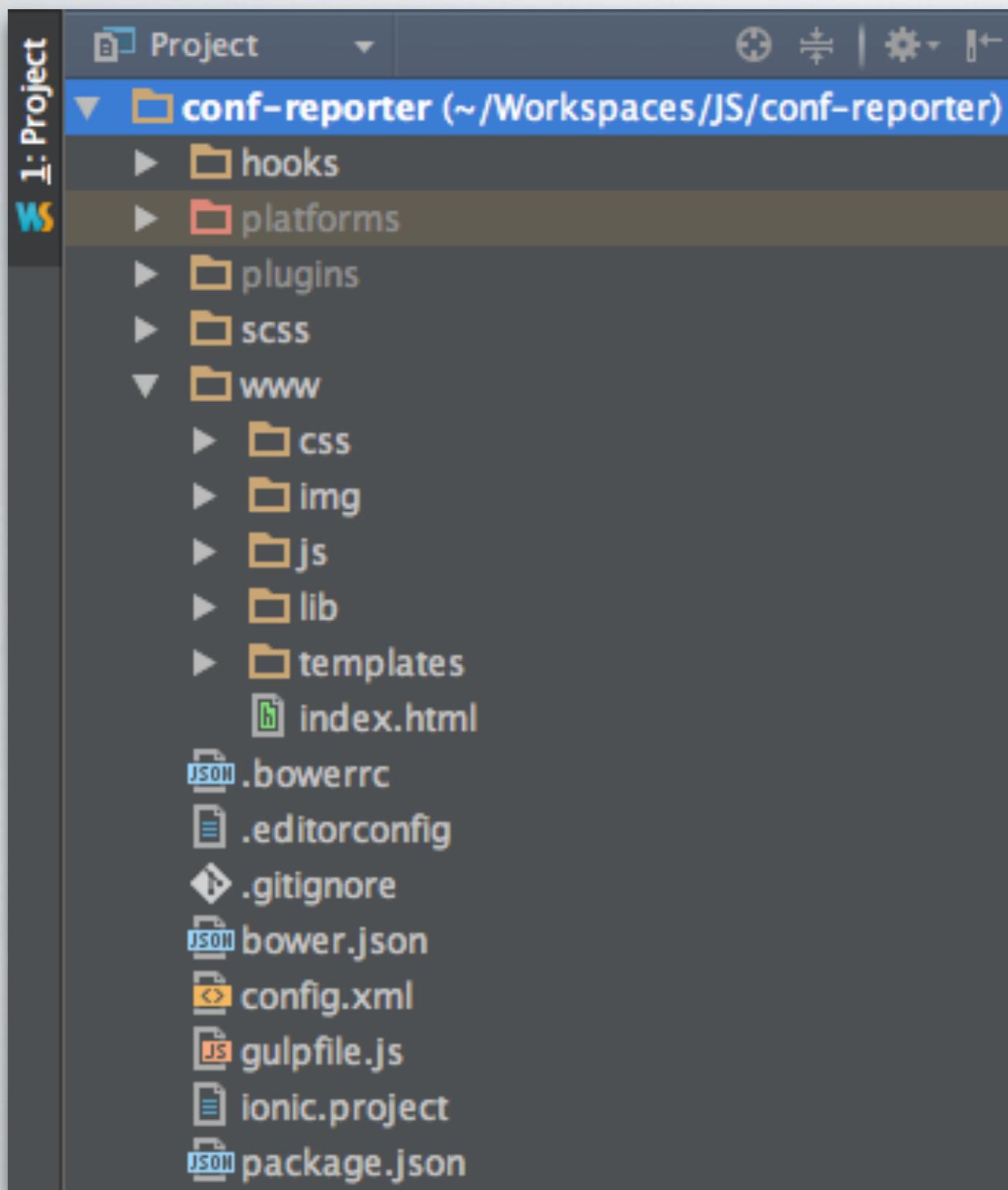


blank

tabs

sidemenu

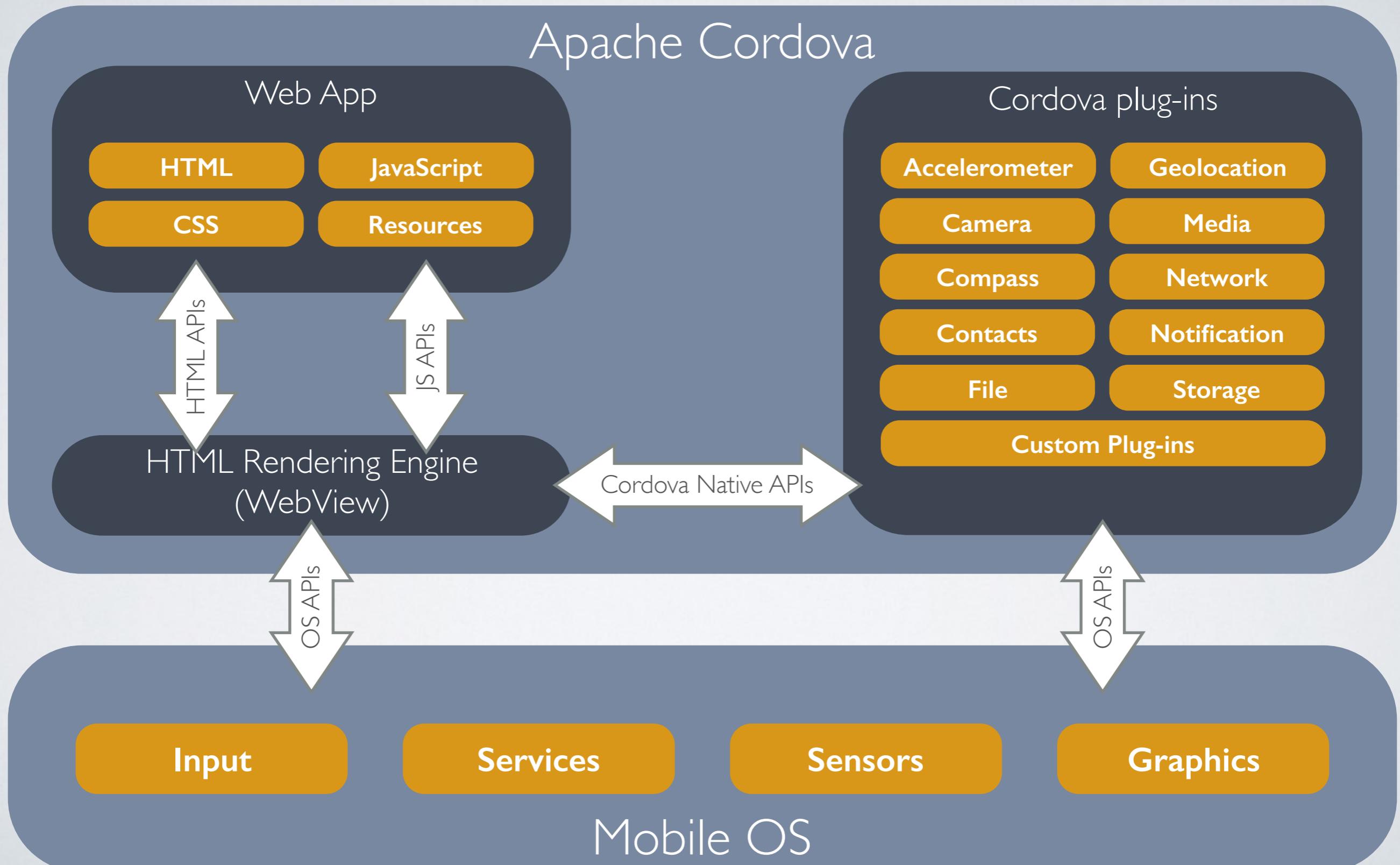
# STRUTTURA DEL PROGETTO



Sass

# APP IBRIDE

Apache Cordova



# CROSS PLATFORM

\$ ionic platform add <PLATFORM>

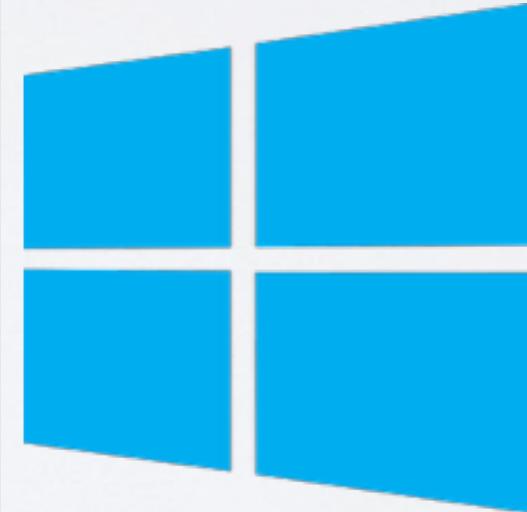
## SUPPORTATI



iOS



## BETA



Firefox OS

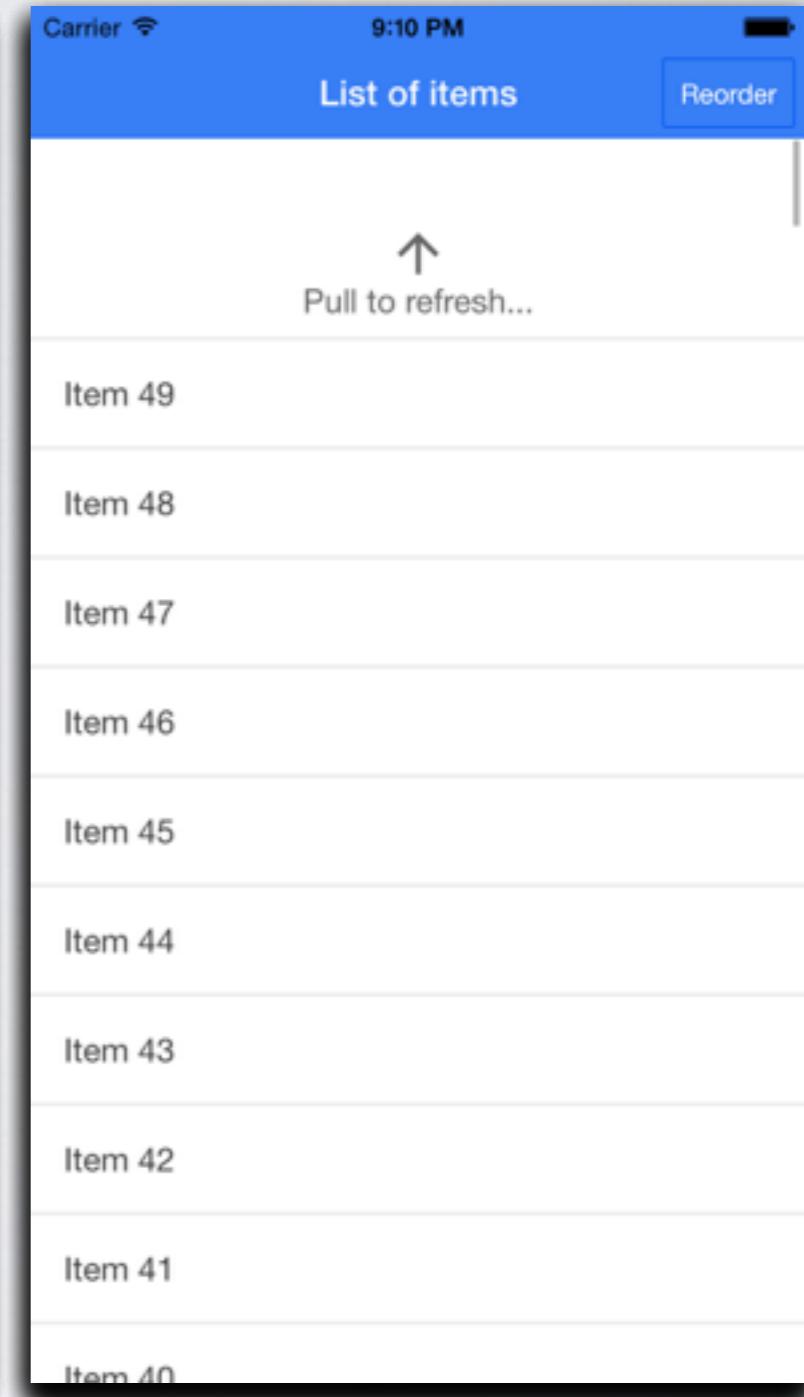
# IONIC === ANGULARJS

- Modularità
- Componenti
- Data binding
- DI
- Testabilità

```
1 angular.module('starter.services', [])
2
3   .factory('Chats', function() {
4     var chats = [...];
5
6     return {
7       ...
8     }
9   })
10
11   angular.module('starter.controllers', [])
12
13   .controller('SignupCtrl', function ($scope) {
14     var user = new Parse.User();
15     user.set("username", $scope.username);
16     user.set("password", $scope.password);
17
18     ...
19
20     <ion-content>
21       <ion-list show-delete="data.showDelete" show-reorder="data.showReorder">
22         <ion-item ng-repeat="item in items" class="item-remove-animate"
23           href="#/item/{{item.id}}>
24           Item {{ item.id }}
25           <ion-delete-button class="ion-minus-circled"
26             ng-click="onItemDelete(item)">
27             ...
28           </ion-delete-button>
29           <ion-option-button class="button-assertive"
30             ng-click="edit(item)">
31             Edit
32           </ion-option-button>
33           <ion-option-button class="button-calm"
34             ng-click="share(item)">
35             Share
36           </ion-option-button>
37           <ion-reorder-button class="ion-navicon"
38             on-reorder="moveItem(item, $fromIndex, $toIndex)">
39             ...
40           </ion-reorder-button>
41         </ion-item>
42       </ion-list>
43     </ion-content>
```

# UI FRAMEWORK

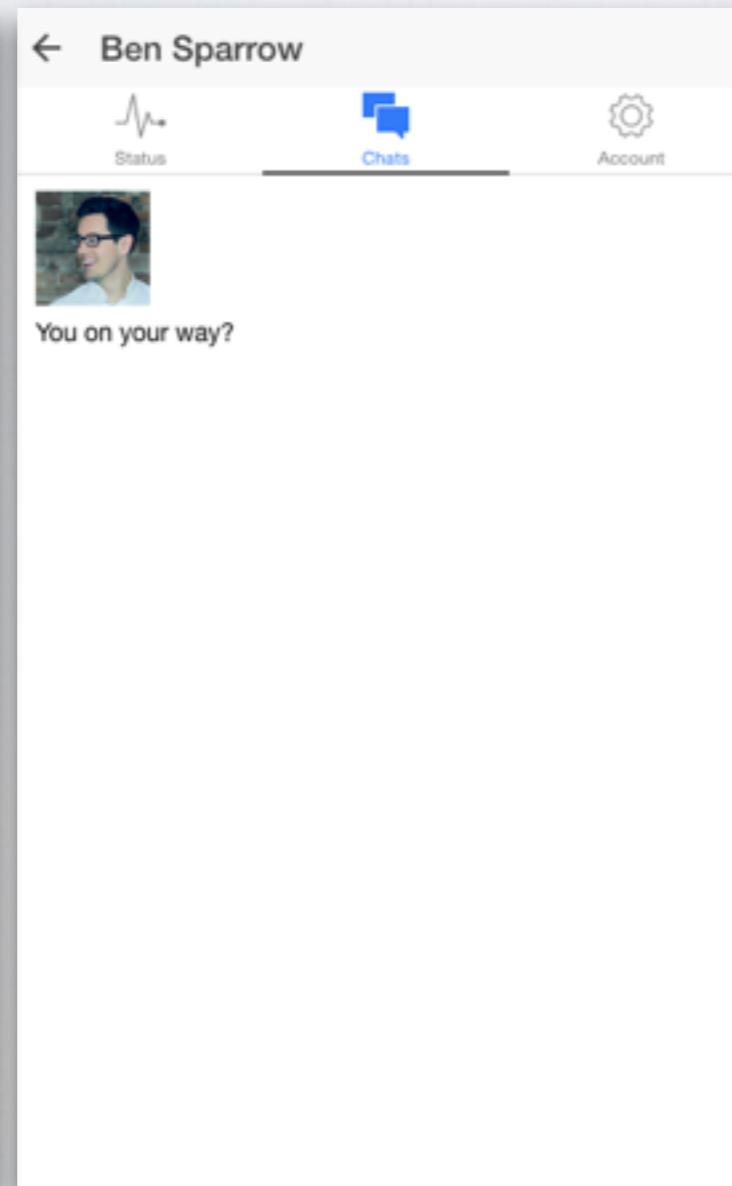
```
1  <ion-header-bar class="bar-positive">
2    <h1 class="title">List of items</h1>
3    <button class="button" ng-click="switchReorder()">
4      Reorder
5    </button>
6  </ion-header-bar>
7
8  <ion-content>
9    <ion-refresher pulling-text="Pull to refresh..." 
10       on-refresh="doRefresh()">
11    </ion-refresher>
12    <ion-list show-reorder="data.showReorder">
13      <ion-item ng-repeat="item in items"
14        item="item"
15        href="#/item/{{item.id}}>
16        Item {{ item.id }}
17        <ion-option-button class="button-assertive"
18          ng-click="edit(item)">
19          Edit
20        </ion-option-button>
21        <ion-option-button class="button-calm"
22          ng-click="share(item)">
23          Share
24        </ion-option-button>
25        <ion-reorder-button class="ion-navicon"
26          on-reorder="moveItem(item, $fromIndex, $toIndex)">
27        </ion-reorder-button>
28        </ion-item>
29      </ion-list>
30  </ion-content>
```



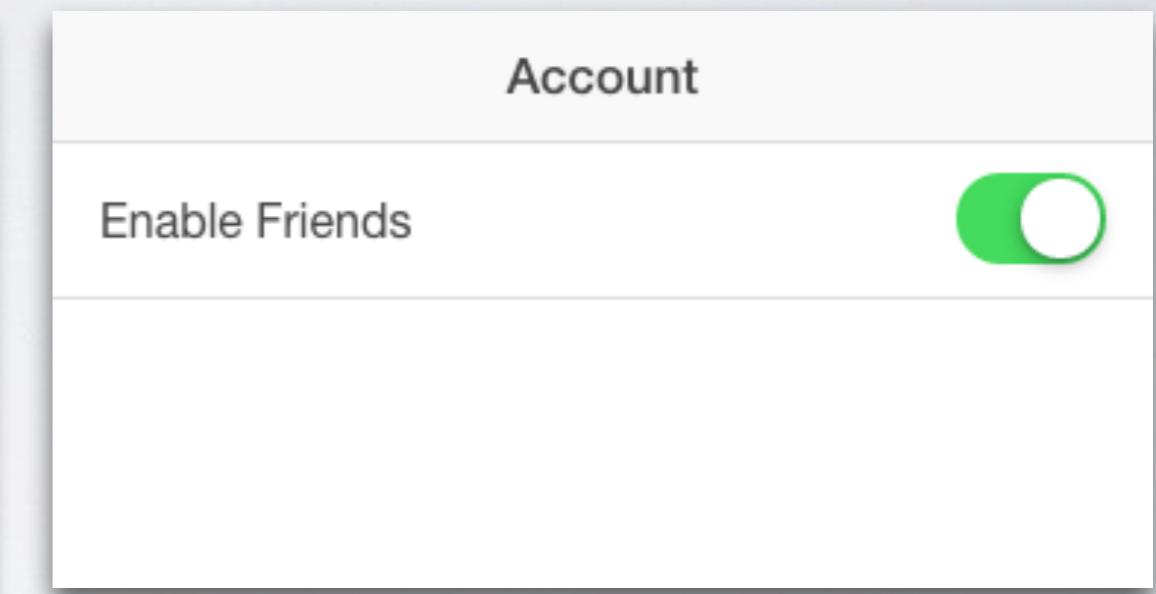
# DYNAMIC TEMPLATE



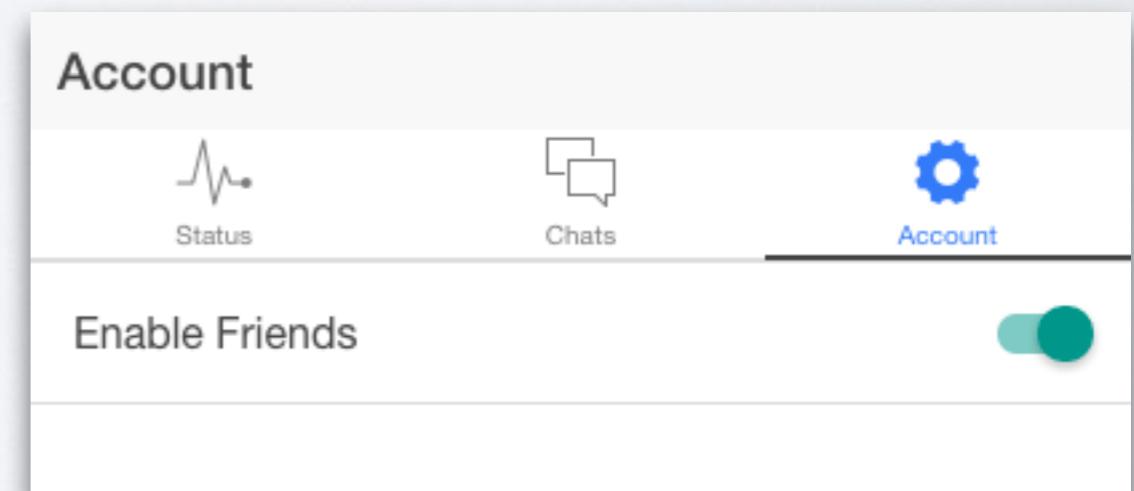
iOS



Android



iOS



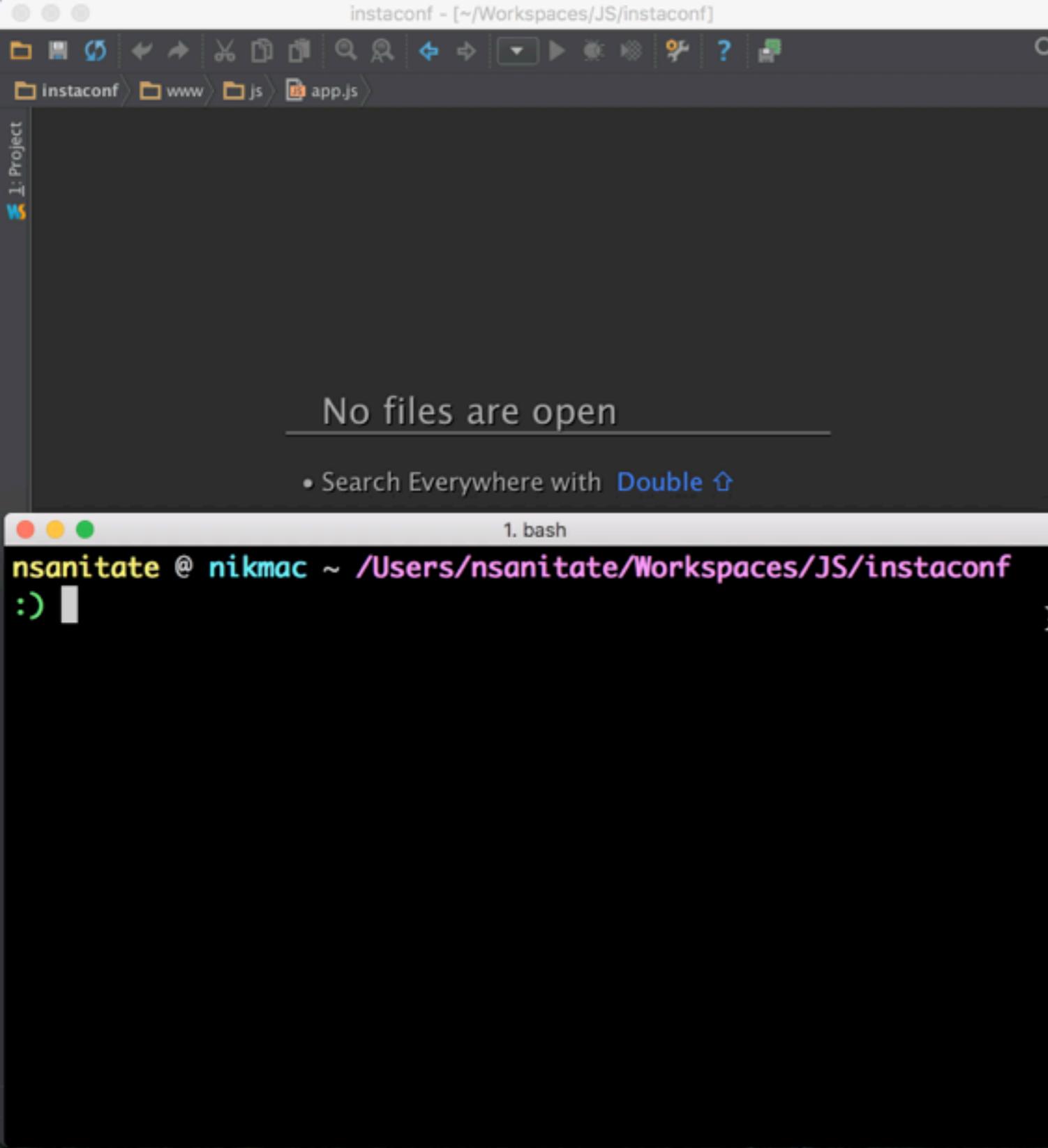
Android

# FEEDBACK

\$ ionic serve

\$ ionic emulate <PLATFORM>

\$ ionic run <PLATFORM>



# NG-CORDOVA

```
$ bower install ngCordova
```

```
<script src=".../ng-cordova.js"></script>
```

```
angular.module('myApp', ['ngCordova'])
```

```
$ ionic plugin add <PLUGIN>
```

# NG-CORDOVA

\$ ionic plugin add org.apache.cordova.camera

```
1 angular.module('starter.controllers', [])
2
3 .controller('CameraCtrl', function($scope, $ionicPlatform, $cordovaCamera) {
4   $ionicPlatform.ready(function() {
5
6     var options = {
7       quality: 50,
8       targetWidth: 100,
9       targetHeight: 100,
10      correctOrientation:true,
11      destinationType: Camera.DestinationType.DATA_URL,
12      sourceType: Camera.PictureSourceType.CAMERA,
13      encodingType: Camera.EncodingType.JPEG,
14      popoverOptions: CameraPopoverOptions
15    };
16
17    $cordovaCamera.getPicture(options)
18      .then(function(imageData) {
19        // Do something with imageData
20      });
21
22  });
23 })
```

# CONTINUOS DELIVERY

## Ionic View

By Drifty

Open iTunes to buy and download apps.



[View in iTunes](#)

This app is designed for both iPhone and iPad

Free

Category: Utilities

Updated: May 20, 2015

Version: 1.0.6

Size: 13.3 MB

Language: English

Seller: Drifty Co.

© Drifty Co.

Rated 4+

Compatibility: Requires iOS 7.0 or later. Compatible with iPhone, iPad, and iPod touch.

## Customer Ratings

Current Version:

★★★★★ 7 Ratings

All Versions:

★★★★★ 28 Ratings

## More by Drifty



[HN Front Page](#)

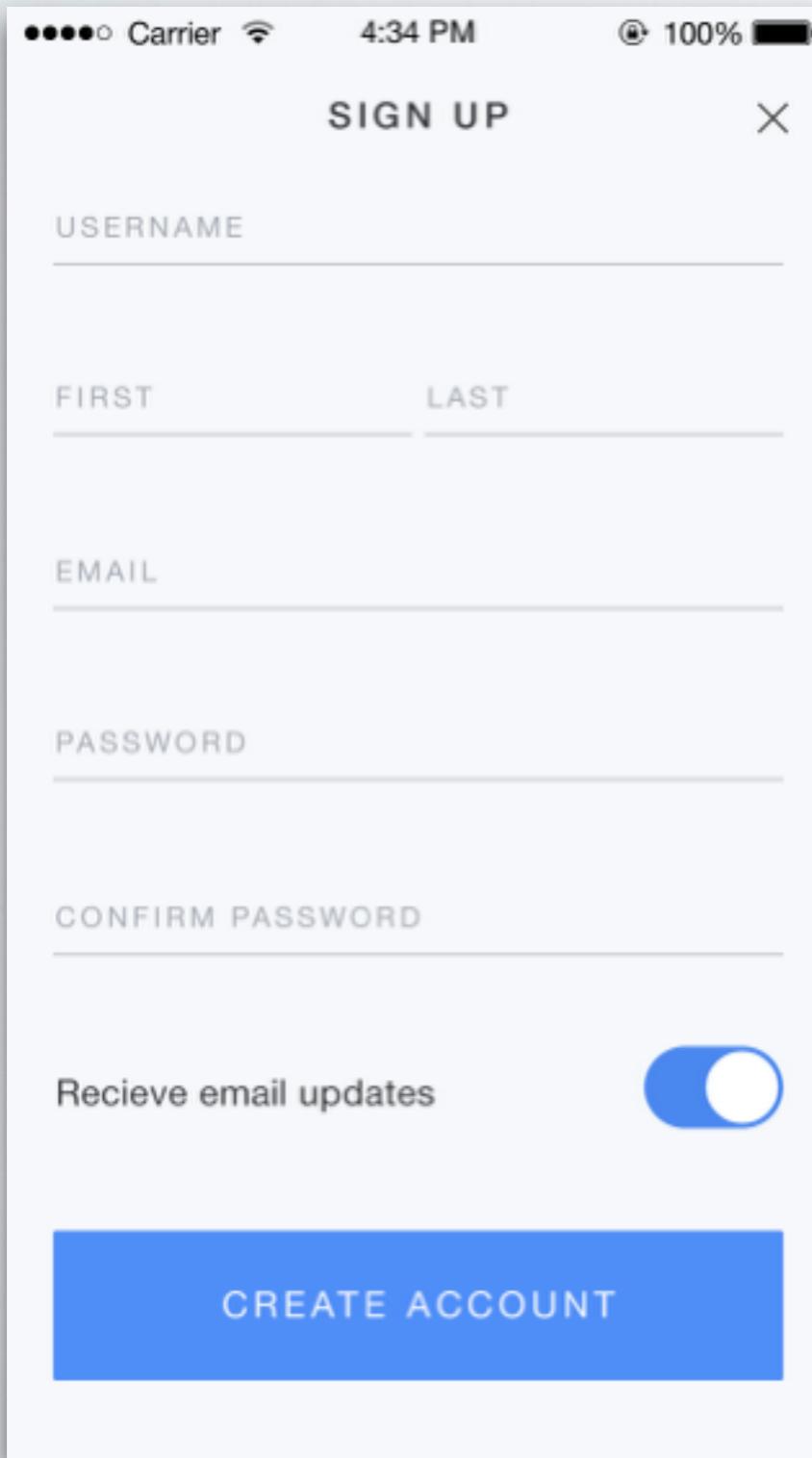
[View in iTunes](#)

The screenshot displays two main sections of the Ionic View application. On the left, the 'MY APPS' section shows a list of installed applications: InstaConf (ID: 5F513C62, Size: 2.5 MB, Modified: Oct 10, 2015 1:46:43 PM). On the right, the 'Chats' section shows a list of messages from users Ben Sparrow and Max Lynx, both saying "Hey, it's me". At the bottom, there are navigation icons for Camera, Chats, and Account.

NON CI STIAMO  
DIMENTICANDO QUALCOSA?

Il server deve essere sviluppato con approccio value-driven

# SCENARIO



- Server REST
- Connessione DBMS
- Access control list
- Integrazione email provider
- ...

# PARSE

Back-end as a Service

# COSA OFFRE

- Cloud database
- Push notification service
- Analytics tracking

# AUTENTICAZIONE

- Login / Social login
- Signup / Conferma email / Cambio password
- Gestione degli accessi

# INTEGRAZIONE

- Email service
- Phone/SMS service
- Payment service

# LET'S GET STARTED

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

```
Parse.initialize(<APPID>,< JSKEY>);
```

# DATABASE

- NoSQL a documenti
- Schemaless
- Colonne tipizzate
- Possibile definire relazioni

# DATABASE

P InstaConf DEV Core Core

Data + Row - Row + Col Security More Filter

Role	objectId	String	title	String	description	String	picture	File	author	Pointer<User>	ACL	ACL
Session	jm6QY0tpy2		La mia prima fo...	Questa è la prim...			apuliasoft.png		54Sdt6Y2Up		Public	Read and

+ Add Class  
Import

Cloud Code  
Webhooks  
Jobs  
Logs  
Config  
API Console

# DATABASE - SAVE

```
1 angular.module('starter.controllers', [])
2
3 .controller('CameraCtrl', function($scope, $ionicPlatform, $cordovaCamera) {
4   $ionicPlatform.ready(function() {
5
6     var options = {"quality": 50...};
16
17   $cordovaCamera.getPicture(options)
18     .then(function(imageData) {
19       var picture = new Parse.File("picture.jpg", imageData, "image/jpeg");
20       var author = Parse.User.current();
21
22       var Photo = Parse.Object.extend('Photo');
23       var photo = new Photo();
24
25       photo.save({
26         title: $scope.title,
27         description: $scope.description,
28         picture: picture,
29         author: author
30       });
31     });
32   });
33 })
```

# DATABASE - QUERY

```
1 angular.module('starter.controllers', [])
2   .controller('ShowcaseCtrl', function() {
3     var query = new Parse.Query('Photo');
4     query.descending('createdAt');
5     query.limit(10);
6     query.include('author');
7
8     query.find()
9       .then(function(photos) {
10         // Do something with photos
11       });
12   })
```

# AUTENTICAZIONE

```
1 angular.module('starter.controllers', [])
2   .controller('SignupCtrl', function($scope) {
3     var user = new Parse.User();
4     user.set("username", $scope.username);
5     user.set("password", $scope.password);
6     user.set("email", $scope.email);
7
8     user.signUp()
9       .then(function(user) {
10         // Do something with user
11       });
12   })
13   .controller('LoginCtrl', function($scope) {
14     var user = new Parse.User();
15     user.logIn($scope.username, $scope.password)
16       .then(function(user) {
17         // Do something with user
18       });
19   })
```

# PROS & CONS

- javascript
- no back-end
- develop once  
deploy everywhere
- cordova != nativo
- service provider limitati
- costi

# ALTERNATIVE



Phone**Gap**



titanium™



Xamarin



**Worklight**  
An IBM® company



cloudmine



**Firebase**



# IONIC + PARSE

Il mio toolkit di sviluppo mobile  
adatto all'approccio value-driven

# GRAZIE

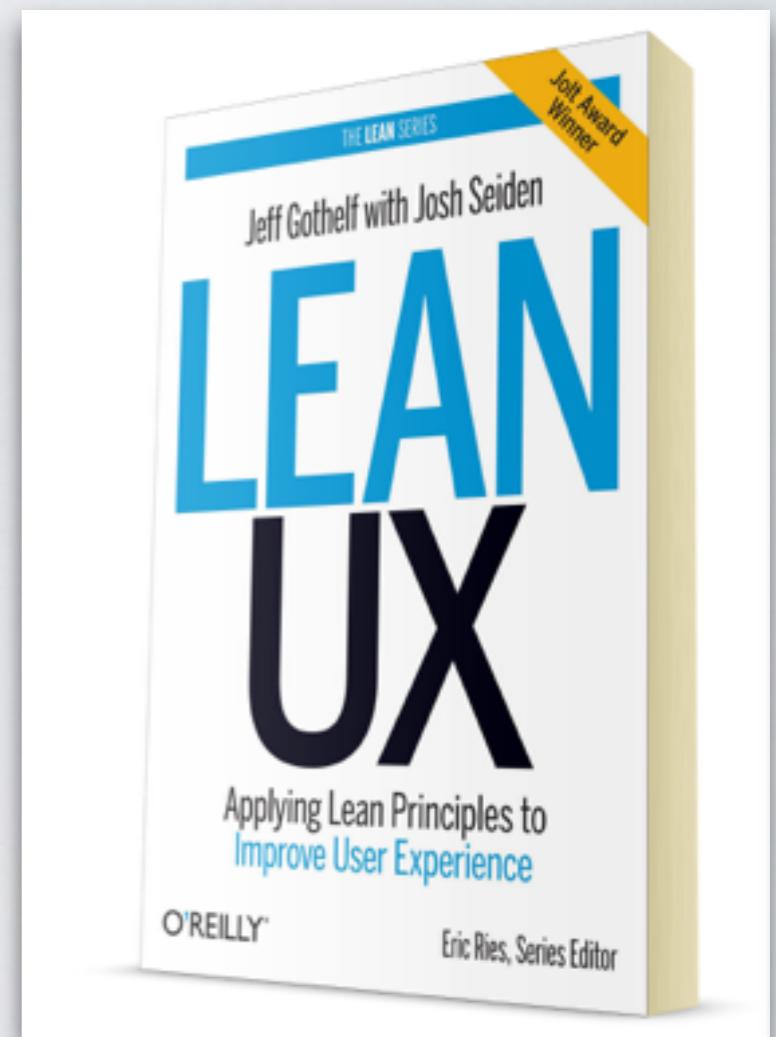
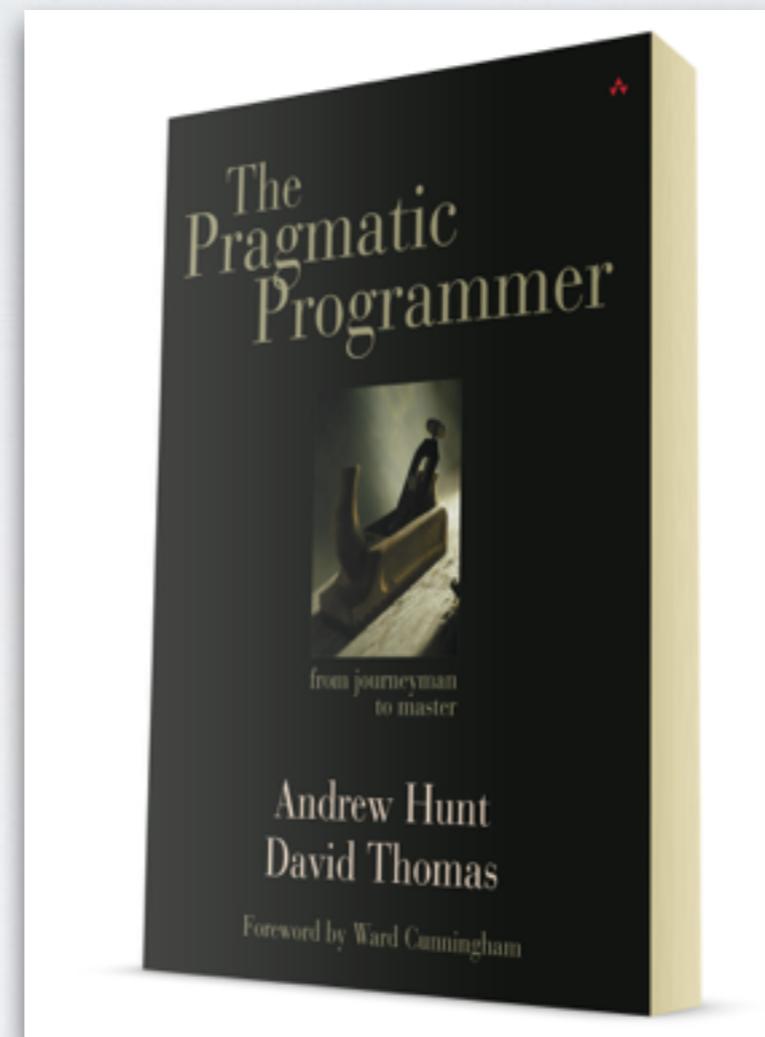
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 nsanitate

<http://2015.angularconf.it>  
#angularconf15



AngularConf 2015

