

IONIC + PARSE

Approccio value-driven per lo sviluppo mobile



<http://2015.angularconf.it>

#angularconf15

AngularConf 2015





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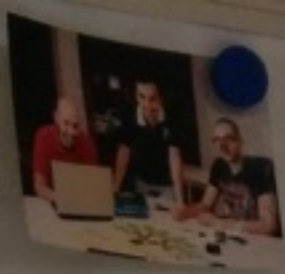
Lecce

Sardegna

Tyrrhenian Sea

Cagliari

ADMIN@AUREA.IT
ADMIN



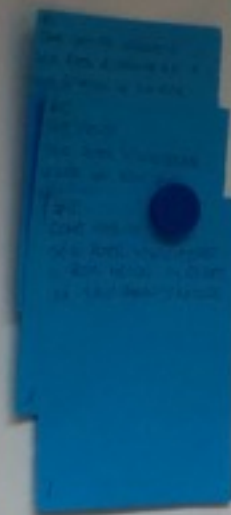
A ME PIACE IL SALATO

SPRINT: #0
GOAL: FORUM
START: 7-10-2015
END: 20-10-2015

TODO



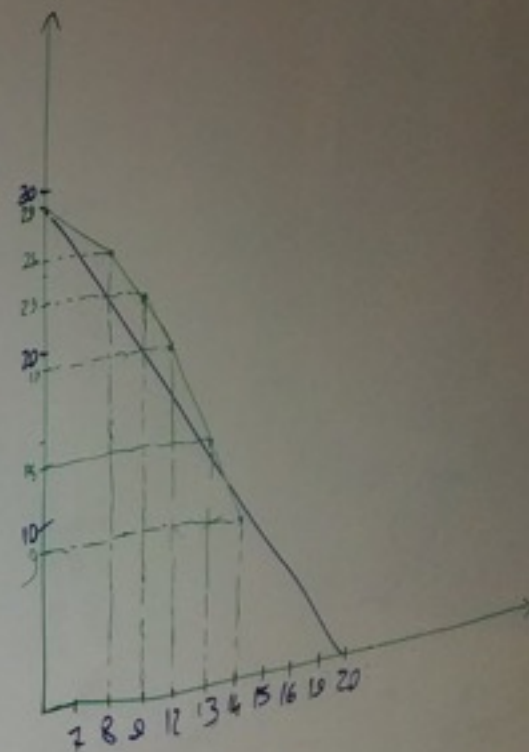
DOING



Q.A.



DONE



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

Tech
user story

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

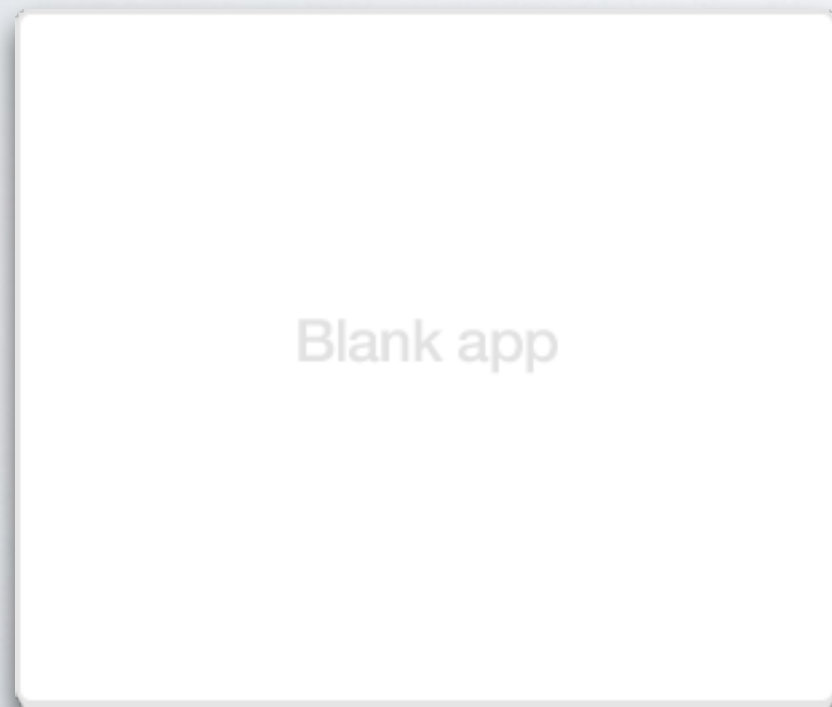
IONIC FRAMEWORK

Apache Cordova + AngularJS
per lo sviluppo di applicazione mobile ibride

LET'S GET STARTED

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

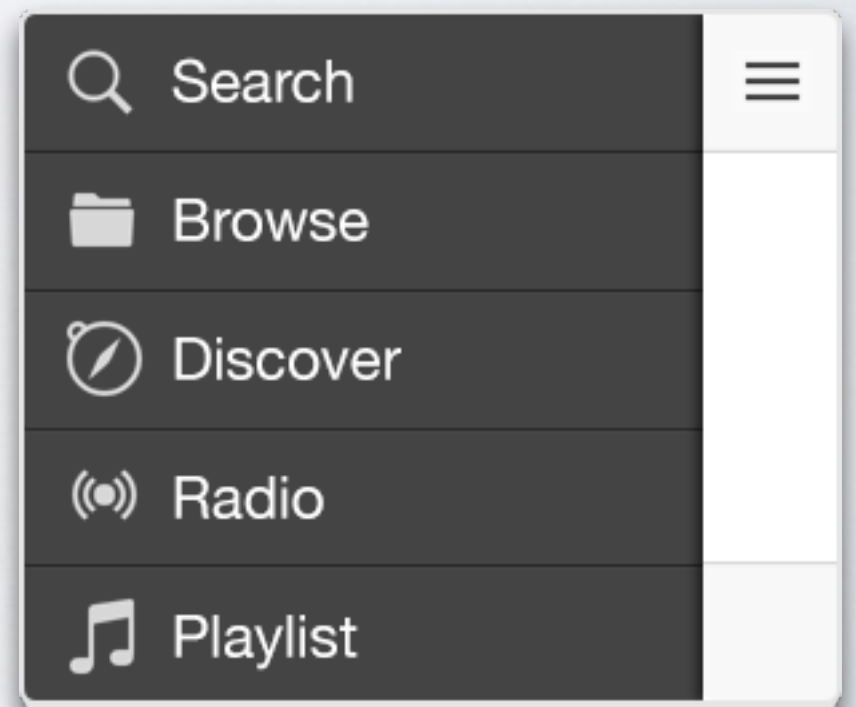
```
$ ionic start [options] <PATH> [template]
```



blank

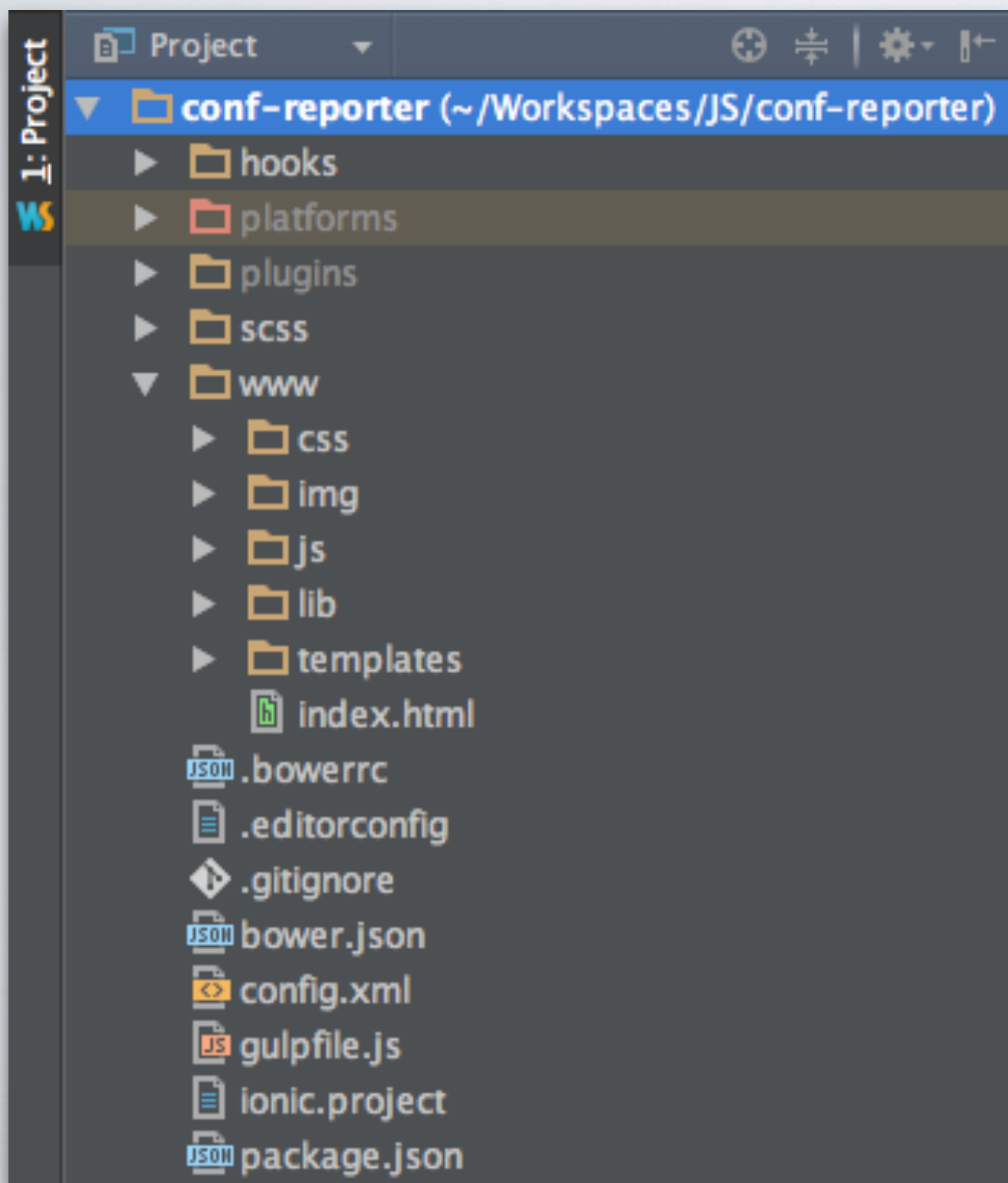


tabs

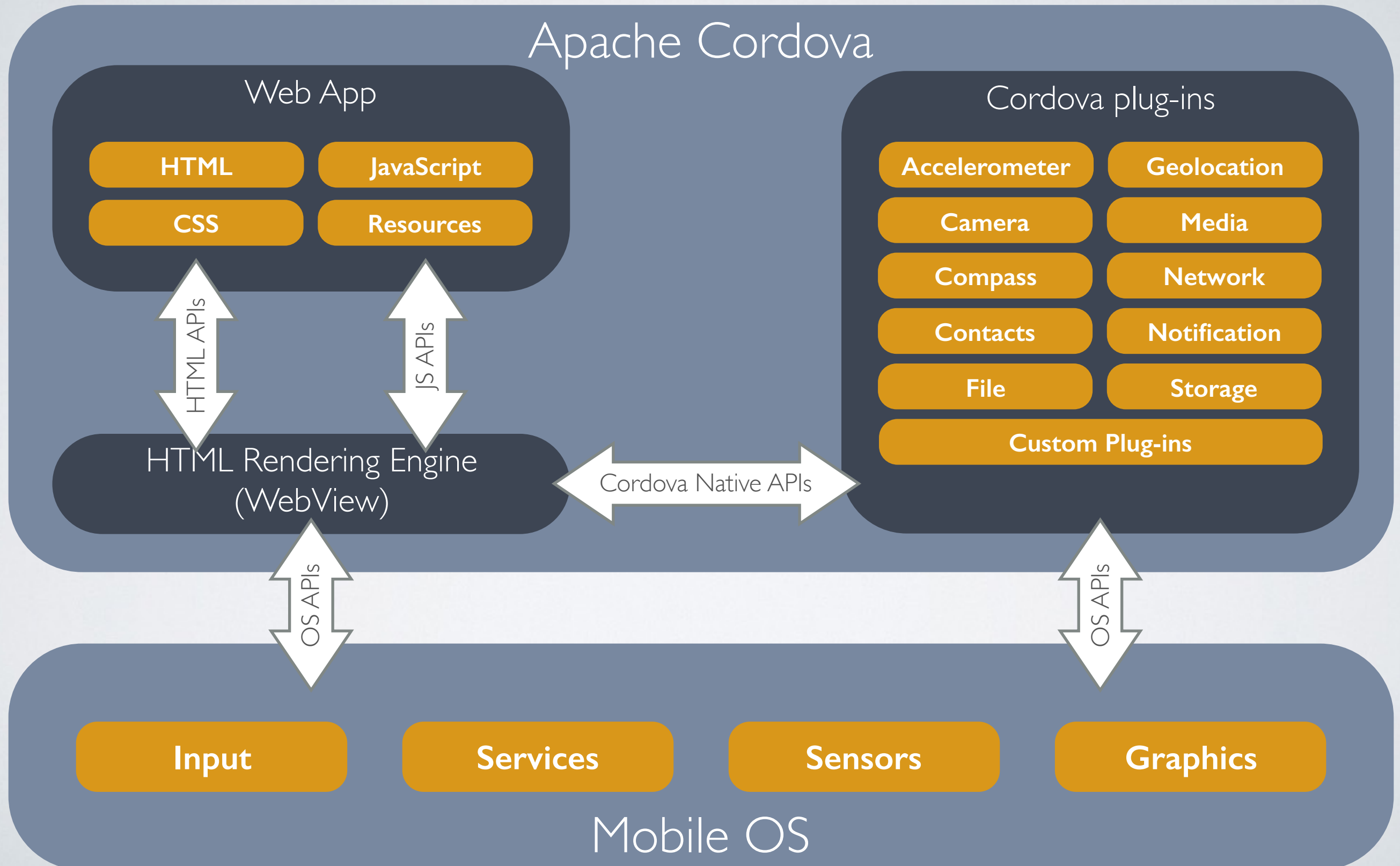


sidemenu

STRUTTURA DEL PROGETTO



APP IBRIDE



CROSS PLATFORM

\$ ionic platform add <PLATFORM>

SUPPORTATI



BETA



Firefox OS

IONIC === ANGULARJS

- Modularità
- Componenti
- Data binding
- DI
- Testabilità

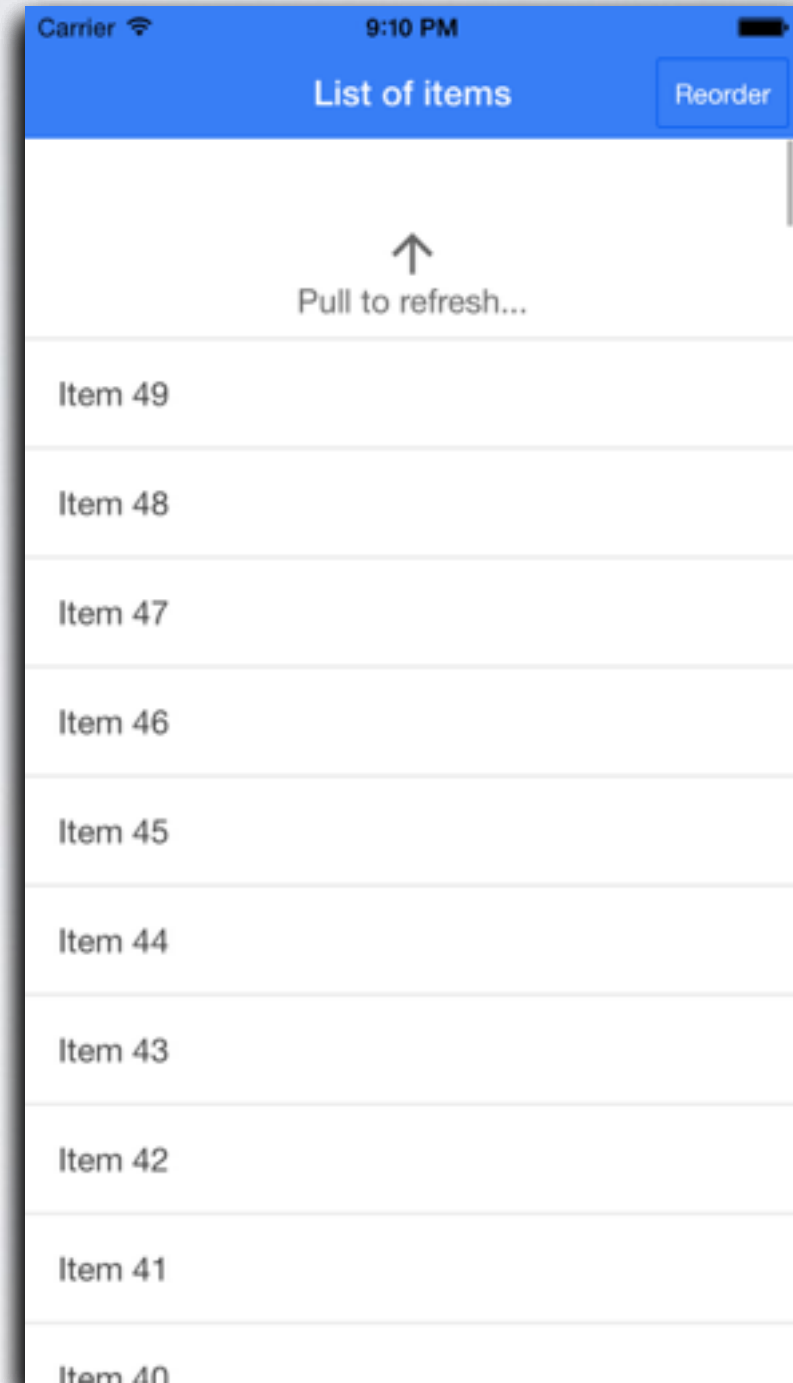
```
1 angular.module('starter.services', [])
2
3 .factory('Chats', function() {
4   var chats = [...];
5
6   return {
7     // ...
8   };
9 }
```

```
1 angular.module('starter.controllers', [])
2
3 .controller('SignupCtrl', function ($scope) {
4   var user = new Parse.User();
5   user.set("username", $scope.username);
6   user.set("password", $scope.password);
7   // ...
8 }
```

```
1 <ion-content>
2   <ion-list show-delete="data.showDelete" show-reorder="data.showReorder">
3     <ion-item ng-repeat="item in items" class="item-remove-animate"
4       href="#/item/{{item.id}}">
5       Item {{ item.id }}
6       <ion-delete-button class="ion-minus-circled"
7         ng-click="onItemDelete(item)">
8     </ion-delete-button>
9     <ion-option-button class="button-assertive"
10       ng-click="edit(item)">
11       Edit
12     </ion-option-button>
13     <ion-option-button class="button-calm"
14       ng-click="share(item)">
15       Share
16     </ion-option-button>
17     <ion-reorder-button class="ion-navicon"
18       on-reorder="moveItem(item, $fromIndex, $toIndex)">
19     </ion-reorder-button>
20   </ion-item>
21 </ion-list>
22 </ion-content>
```


UI FRAMEWORK

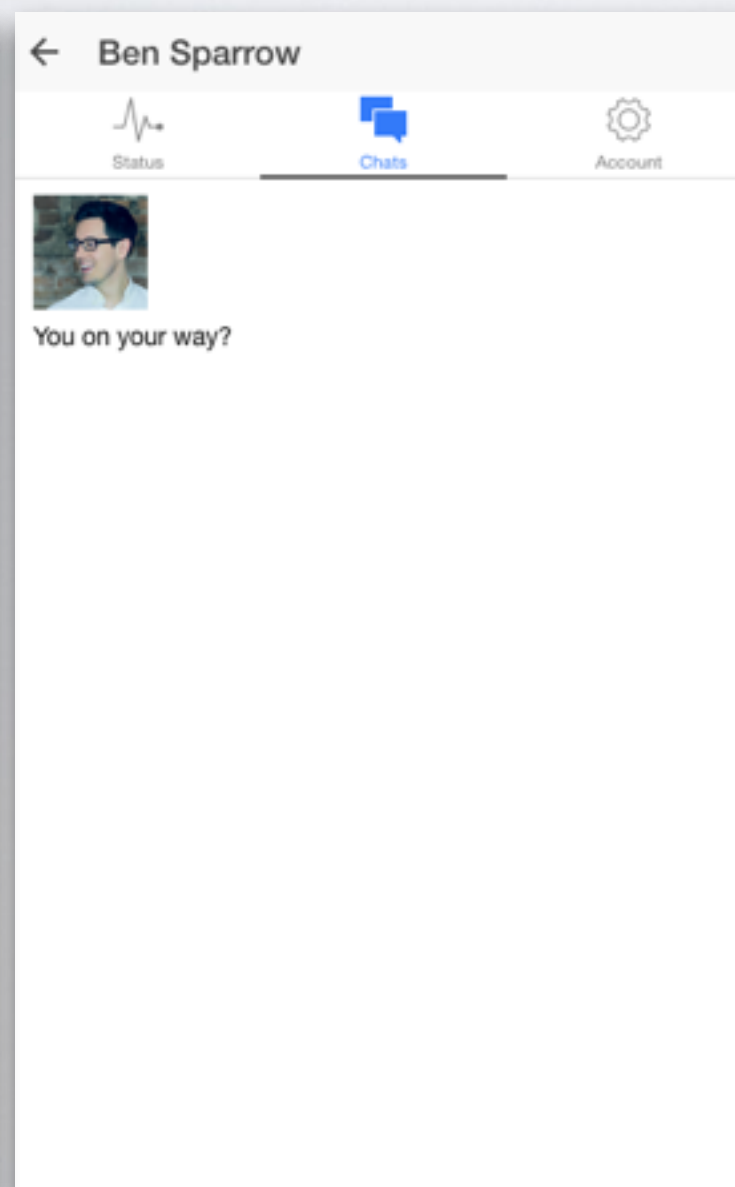
```
1 <ion-header-bar class="bar-positive">
2   <h1 class="title">List of items</h1>
3   <button class="button" ng-click="switchReorder()">
4     Reorder
5   </button>
6 </ion-header-bar>
7
8 <ion-content>
9   <ion-refresher pulling-text="Pull to refresh..."
10     on-refresh="doRefresh()">
11 </ion-refresher>
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>
```



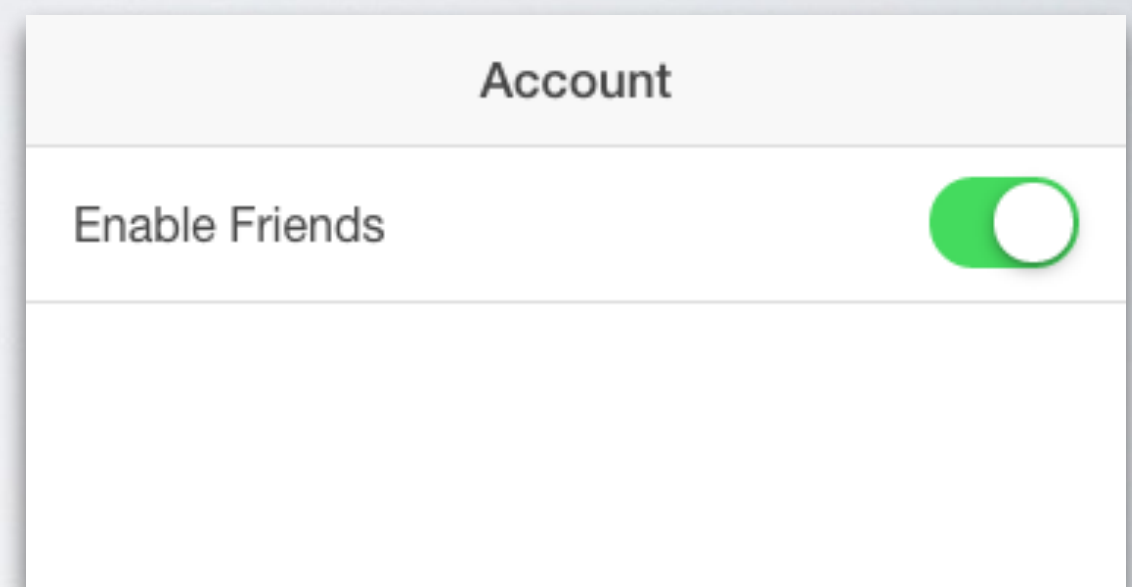
DYNAMIC TEMPLATE



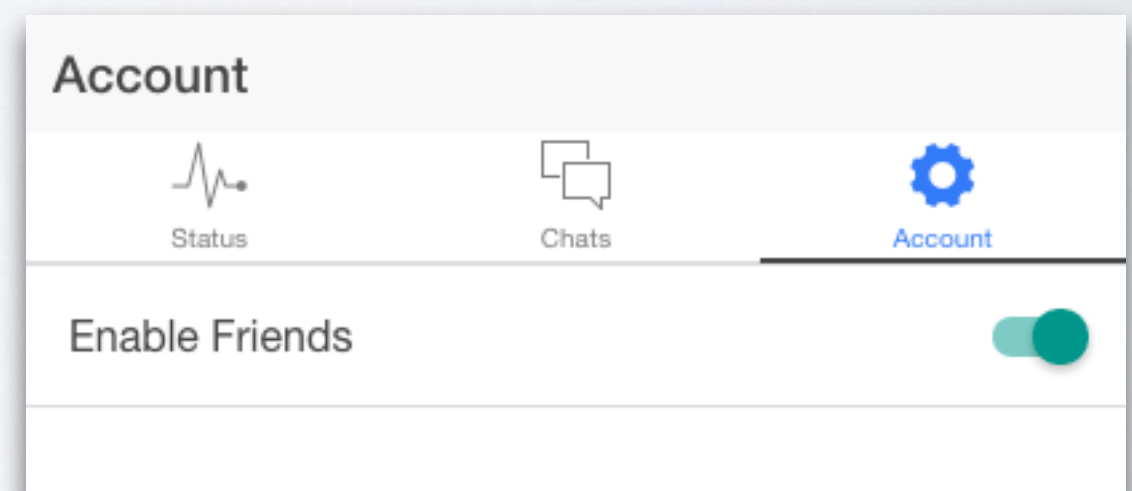
iOS



Android



iOS



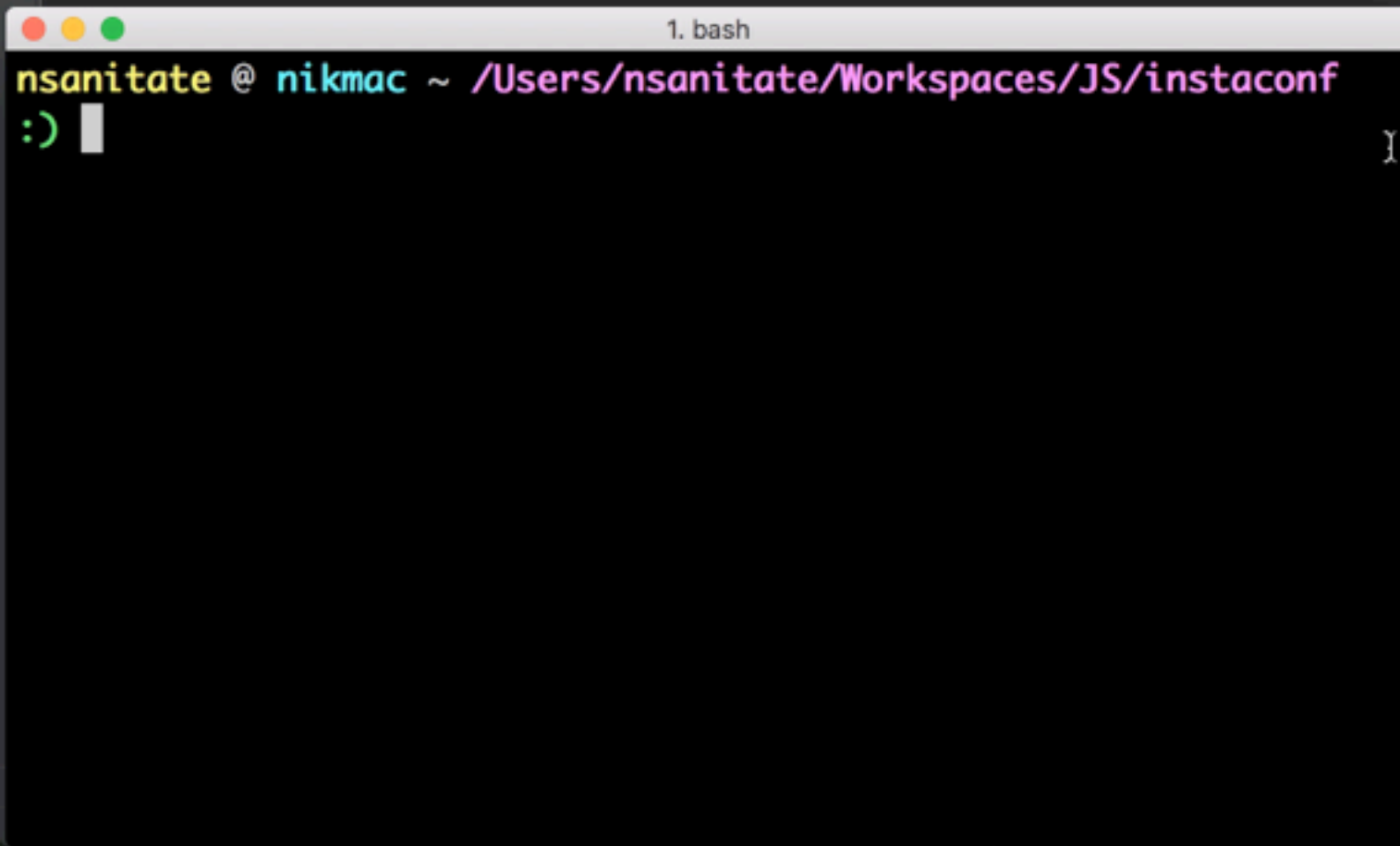
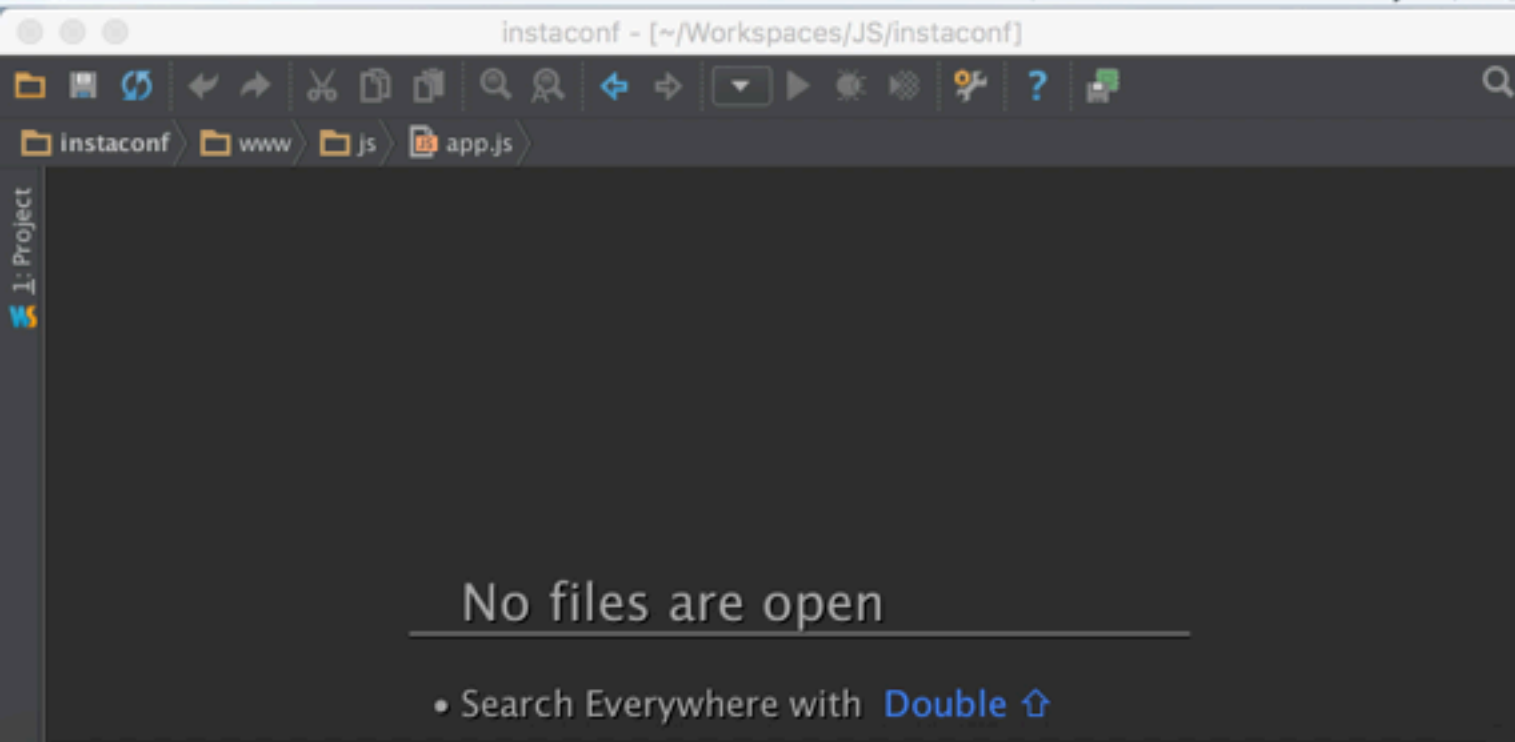
Android

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 }
```

CONTINUOUS 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](#)

Description

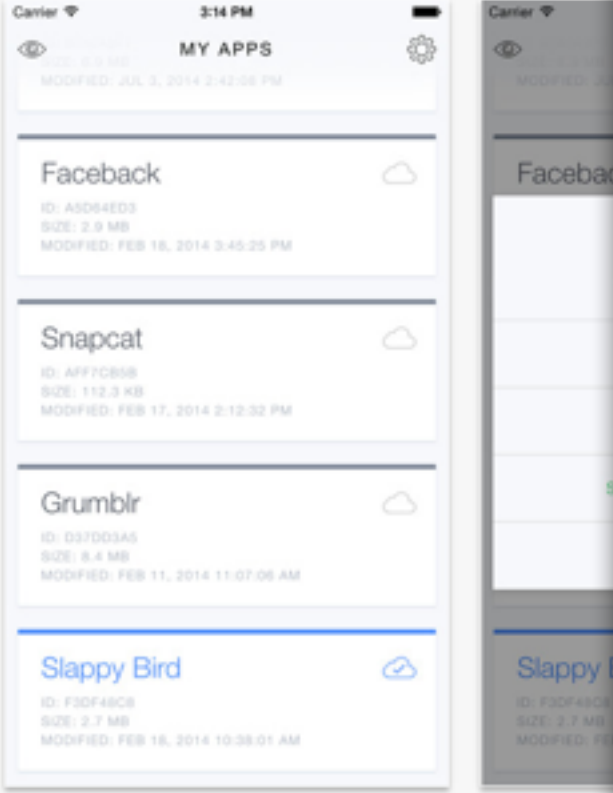
Ionic View allows you to quickly and easily load, view and test the apps you build. Still in development. Please submit issues to <https://github.com/driftyco/ionic> or to <https://forum.ionicframework.com>

[Drifty Web Site](#) • [Ionic View Support](#)

What's New in Version 1.0.6

- Fixed signup page not showing errors
- Fixed caching issue where sync'd changes weren't showing
- Fixed localStorage sandboxing issue

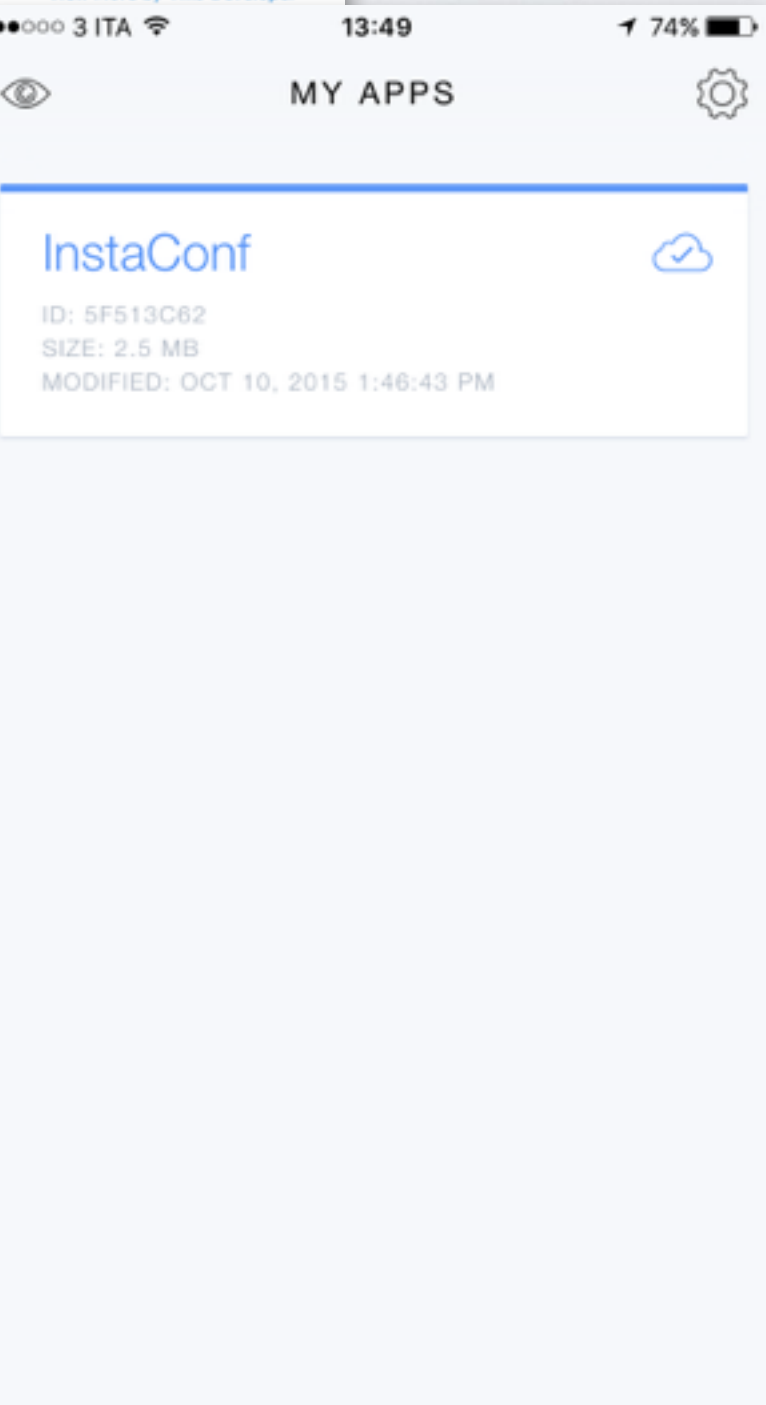
Screenshots



[View More by This Developer](#)

Carrier 3 ITA 13:49 74%

MY APPS



InstaConf

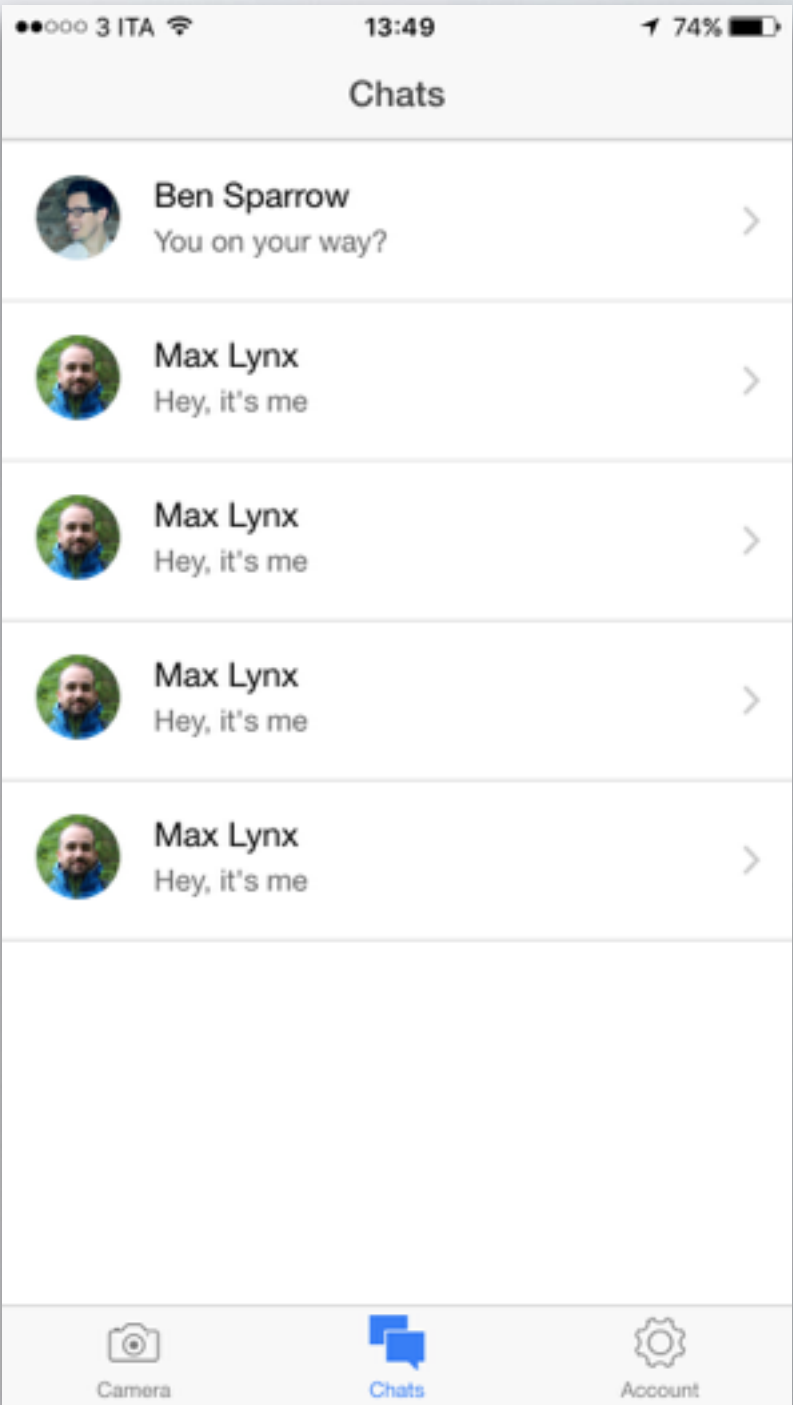
ID: 5F513C62

SIZE: 2.5 MB

MODIFIED: OCT 10, 2015 1:46:43 PM

Carrier 3 ITA 13:49 74%

Chats



Ben Sparrow
You on your way?

Max Lynx
Hey, it's me

Max Lynx
Hey, it's me

Max Lynx
Hey, it's me

Max Lynx
Hey, it's me

Max Lynx
Hey, it's me

Camera Chats Account

NON CI STIAMO DIMENTICANDO QUALCOSA?

Il server deve essere sviluppato con approccio value-driven

SCENARIO

Carrier 4:34 PM 100%

SIGN UP ✕

USERNAME

FIRST LAST

EMAIL

PASSWORD

CONFIRM PASSWORD

Recieve email updates ☒

CREATE ACCOUNT

- 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

ApuliaSoft

Data

+ Row

- Row

+ Col

Security

More

Role 0

Session 0

User 1

Photo 1

+ Add Class

+ Import

Cloud Code

Webhooks

Jobs

Logs

Config

API Console

☐	objectId String	title String	description String	picture File	author Pointer<_User>	ACL ACL
☐	jm6QY0tpy2	La mia prima fo...	Questa è la prim...	apuliasoft.png	54Sdt6Y2Up	Public Read an

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...};
7
8          $cordovaCamera.getPicture(options)
9              .then(function(imageData) {
10                  var picture = new Parse.File("picture.jpg", imageData, "image/jpeg");
11                  var author = Parse.User.current();
12
13                  var Photo = Parse.Object.extend('Photo');
14                  var photo = new Photo();
15
16                  photo.save({
17                      title: $scope.title,
18                      description: $scope.description,
19                      picture: picture,
20                      author: author
21                  });
22              });
23      });
24  });
25  }
```


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™



Sencha



Xamarin



cloudmine

dōjō
toolkit



Worklight

An IBM® company



Firebase

 **jQuery**
mobile

IONIC + PARSE

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

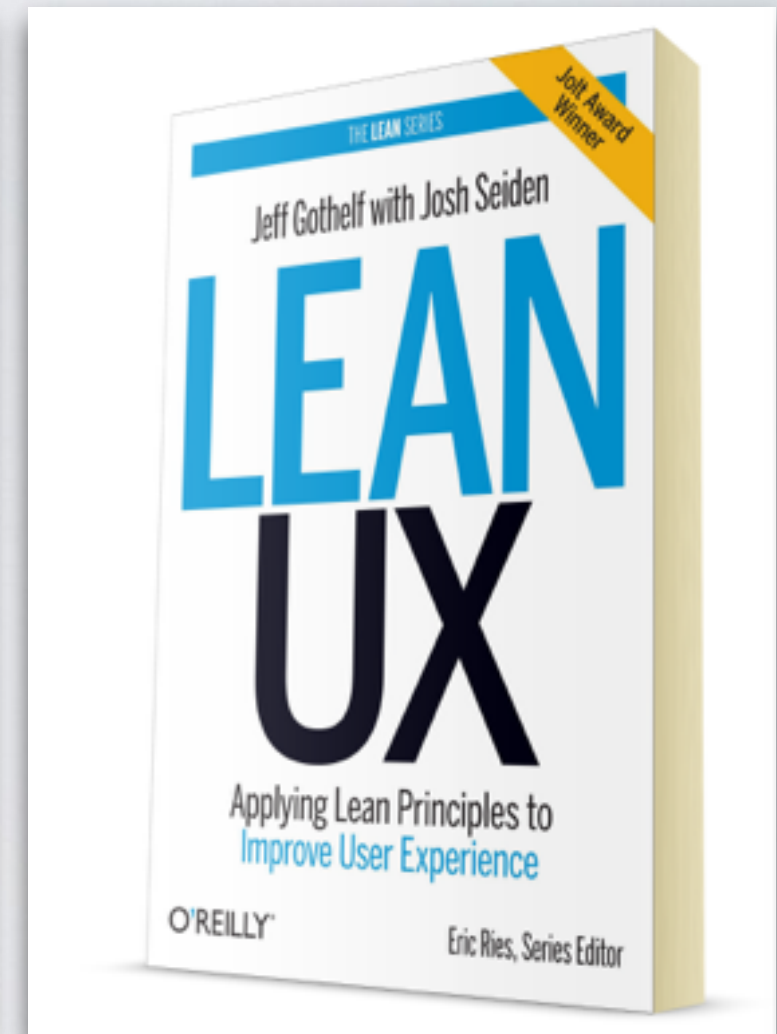
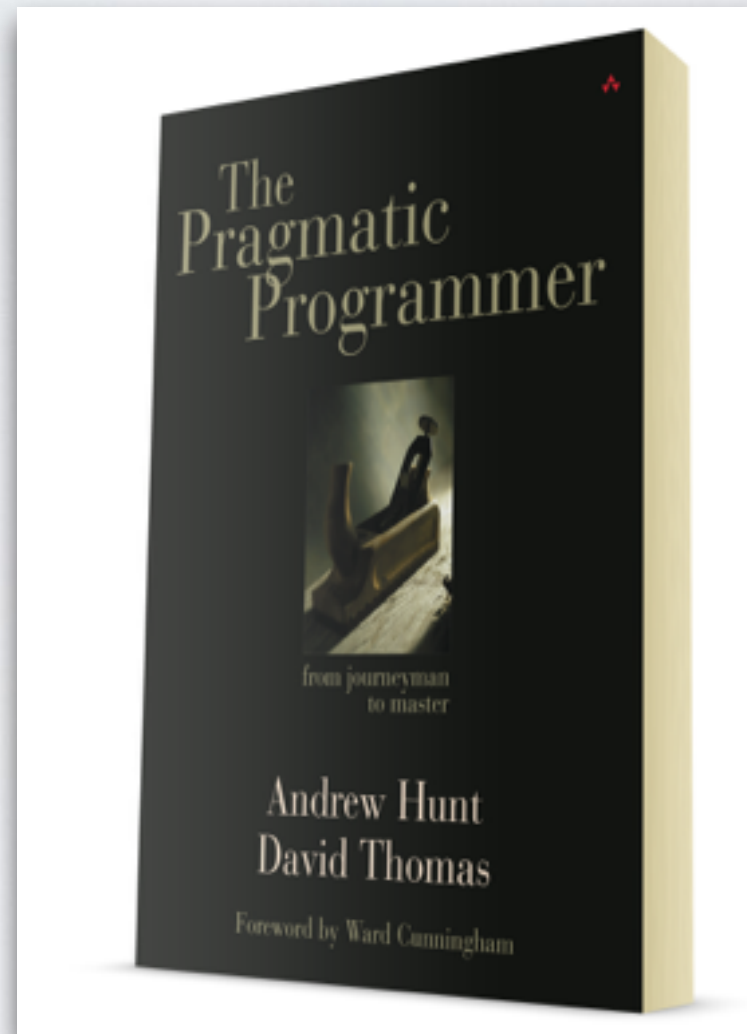
GRAZIE

Nicola Sanitate

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 n_sanitate

 nsanitate



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AngularConf 2015

