



Aplicações móveis multi-plataforma com

# Titanium Mobile



Titanium Certified  
App  
Developer

```
var palestrante;

palestrante = {
    nome          : 'Eric Cavalcanti',
    empresa       : 'CESAR',
    titulação     : 'Mestre em Eng. de Software',
    certificação : 'TCAD',
    titan         : true,
    contato       : 'ecavalcanti@gmail.com',
    twitter        : '@ericoc',
    linkedin       : 'https://goo.gl/jT5iox',
    slideshare     : 'http://slideshare.net/ericoc'
}
```



# appcelerator

Apoiada pela Storm Ventures, Sierra Ventures e eBay. Appcelerator Inc. foi fundada em 2007 por especialista em desenvolvimento web.



# O que é Titanium Mobile?

Aplicações Móveis Nativas

JavaScript

Licença Apache



# Licença

SDK - open source

The image shows a screenshot of the Appcelerator Open Source website. At the top, there's a navigation bar with the Appcelerator logo, 'TITANIUM' and 'ALLOY' buttons, and 'About' and 'Get Support' links. Below the navigation, a large banner features the text 'Appcelerator Open Source'. Underneath the banner, a paragraph states: 'As a company built on open source, we believe in its power to fuel innovation for everyone. That's why we're committed to giving back to the community and are proud that our contributions are being used by hundreds of thousands of developers worldwide.' A call-to-action button says 'Check out the Appcelerator Platform'. In the bottom right corner of the main content area, there's a small window showing a snippet of JavaScript code related to the Titanium Media API.

Licença Apache 2.0

```
1  Titanium.Media.showCamera();
2  success: function(e) {
3      // called when media returned from the camera
4      Titanium.API.debug('Our type was: ' + event.mediaType);
5      if (event.mediaType === Titanium.Media.MEDIA_TYPE_PHOTO) {
6          var imageView = Titanium.UI.createImageView(
7              {
8                  width: win.width,
9                  height: win.height,
10                 ...
```

# Licença

## Indie

\$39/mo.

Paid monthly or annually

Single seat. Everything you need to build & measure your mobile apps

[Try Now](#)

- ✓ Build for iOS, Android & Windows (beta)
- ✓ Appcelerator Studio IDE
- ✓ ArrowDB
- ✓ Arrow Push
- ✓ User analytics

## Most Popular

## Team

\$259/seat/mo.

Paid annually

Perfect for teams and growing mobile businesses

[Try Now](#)

Your free trial starts on Team.  
Choose any plan later.

- ✓ Purchase one seat or many
- ✓ Premium app modules
- ✓ Arrow Builder & Arrow Cloud
- ✓ Data export
- ✓ Support SLAs

## Enterprise

Call us!

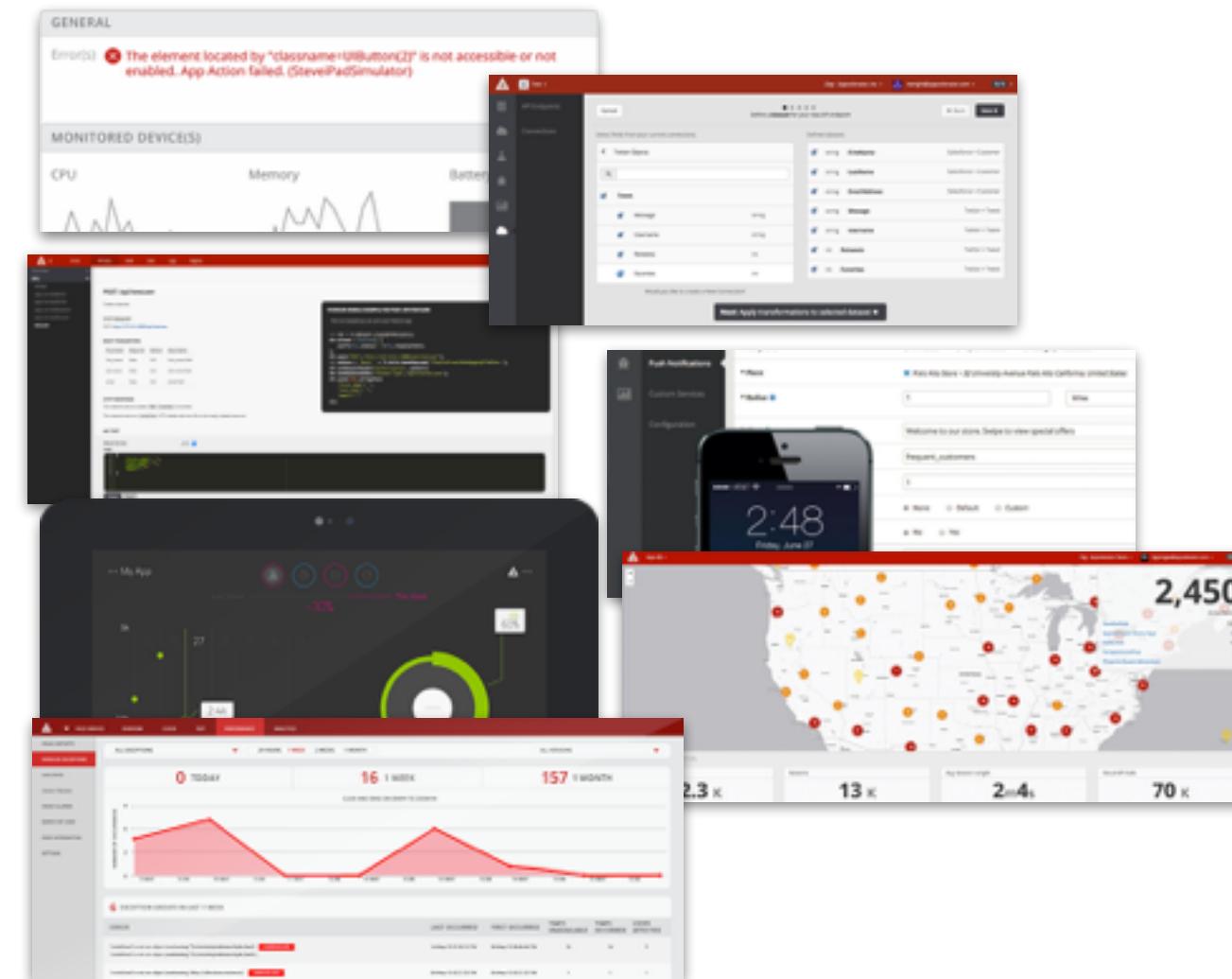
**1 (877) 909-4589**

Premium support, customizable setup, enterprise scale

[Contact Sales](#)

- ✓ Organize apps, users, data by teams
- ✓ MDM/MAM one-click publishing
- ✓ Private deployment options
- ✓ Crash analytics
- ✓ Elite support

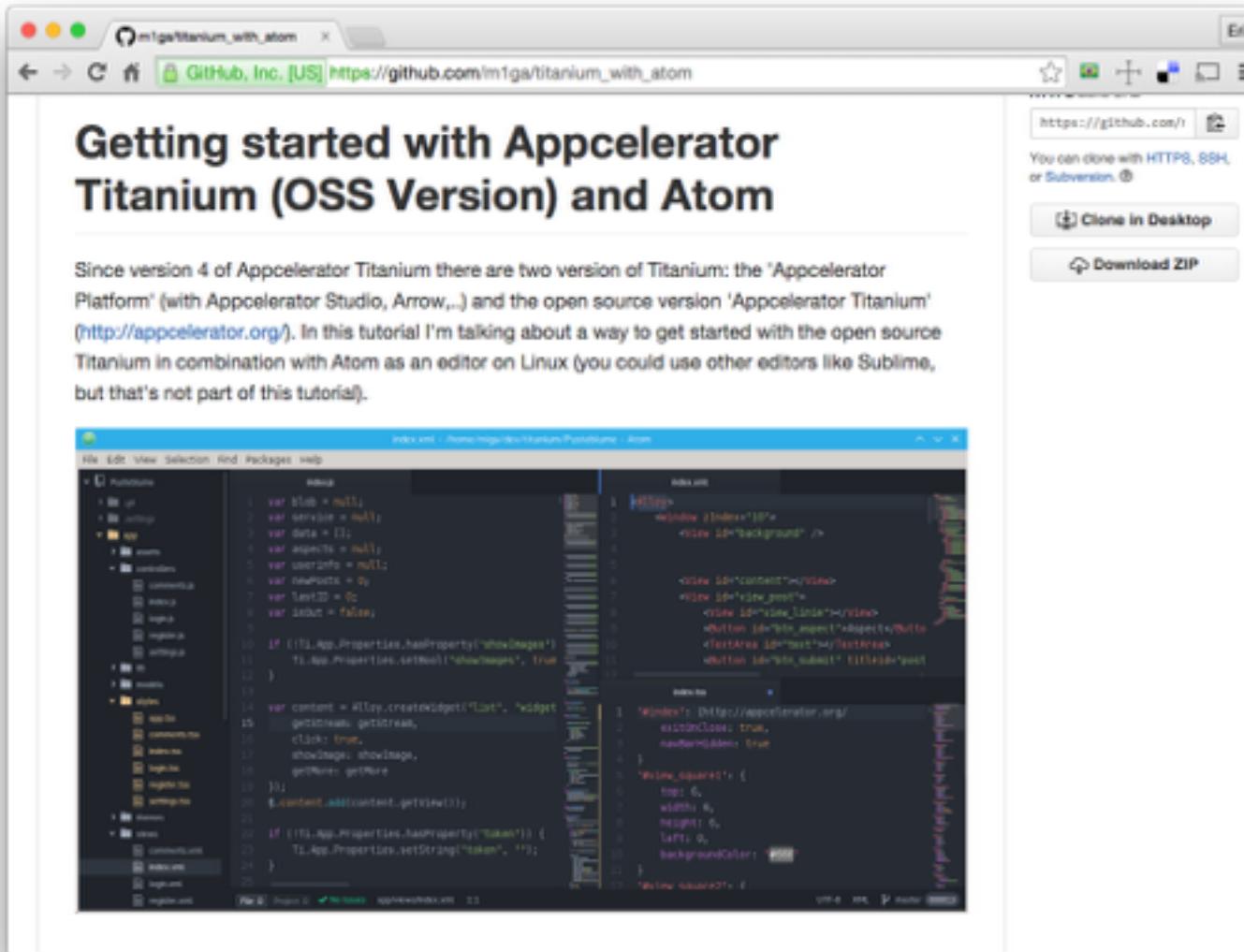
# Appcelerator Platform



Mobile Test Automation  
Arrow Builder  
Arrow Cloud  
Push Notifications  
Mobile Lifecycle Dashboard  
Business Insights  
Performance & Crash Analytics

# OSS Version

[https://github.com/m1ga/titanium\\_with\\_atom](https://github.com/m1ga/titanium_with_atom)

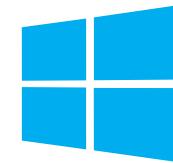


# Quem usa?

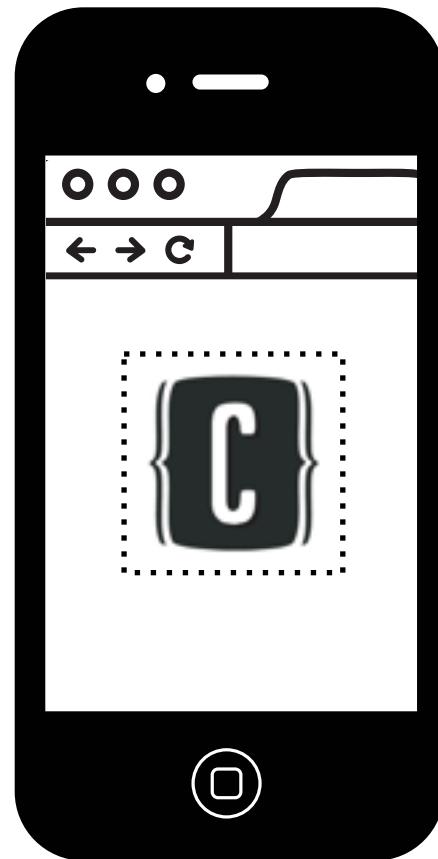


... e mais

# Plataformas suportadas



# Tipos de aplicações



Mobile Web



Híbrida

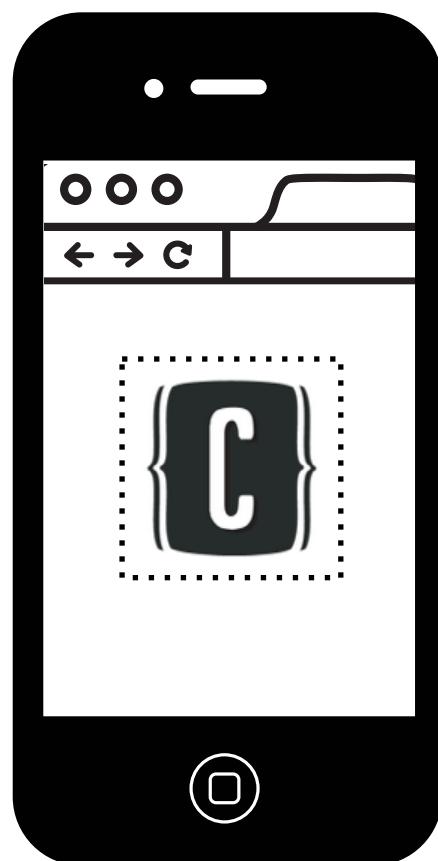


Nativa

# Mobile Web

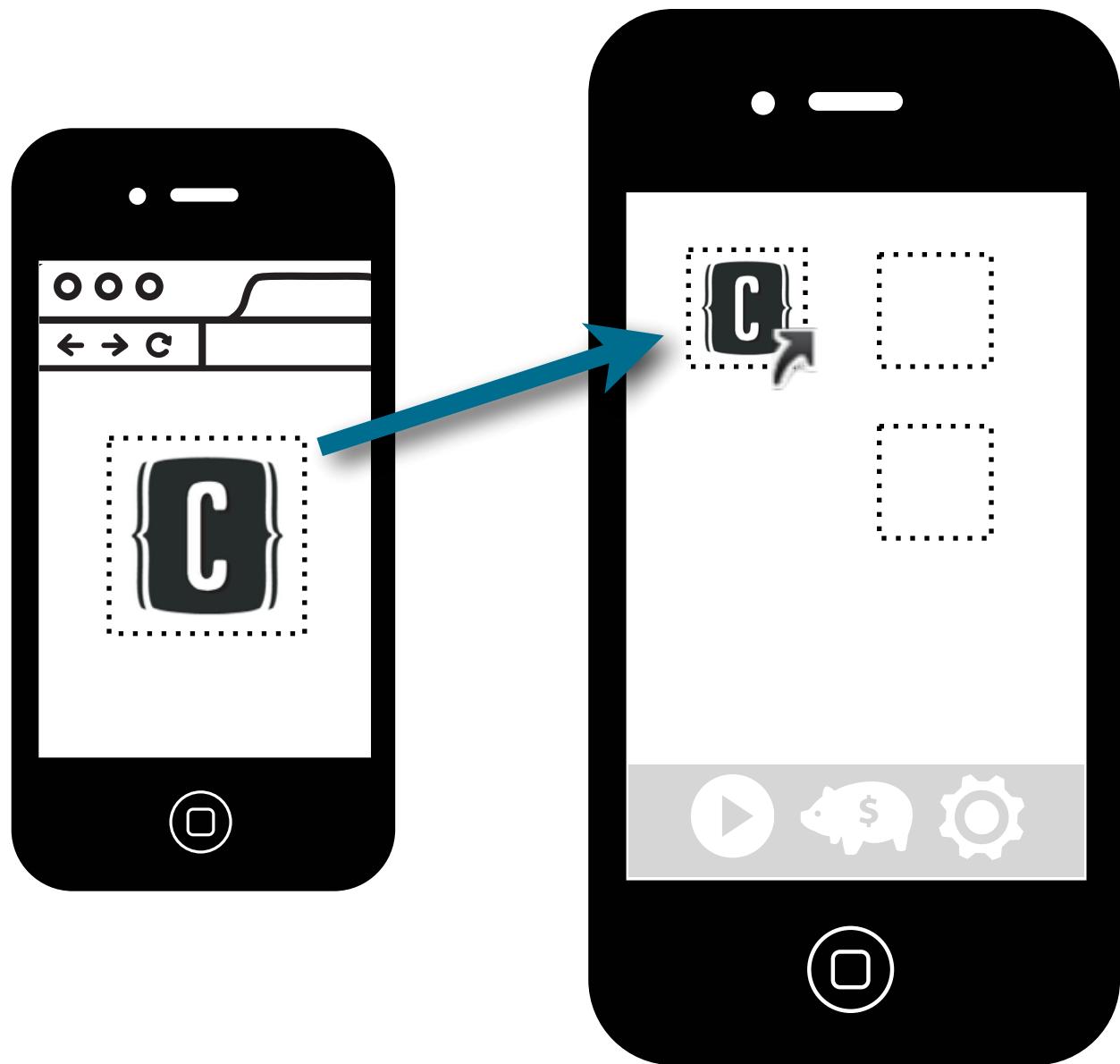


# Mobile Web



{ Geolocalização  
Câmera  
Banco de dados

# Mobile Web



# Mobile Web



# Mobile Web

**Sencha Touch**  
The leading cross-platform mobile web application framework based on HTML5 and JavaScript for creating universal mobile apps.

[OVERVIEW](#) [RESOURCES](#)

**Create native-looking HTML5 apps using JavaScript**

Sencha Touch is the leading MVC-based JavaScript framework for building cross-platform mobile web applications. Sencha Touch leverages hardware acceleration techniques to provide high-performance UI components for mobile devices.

With over 50 built-in UI components and native-looking themes for all major mobile platforms, Sencha Touch provides everything you need to create impressive apps that work on iOS, Android, BlackBerry, Windows Phone, and more. A novel and adaptive layout engine, fluid animations, and

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[GETTING STARTED](#)  
[Quick Start Guide](#)  
[Sign up for Training](#)

[CUSTOMER QUOTES](#)

**jQuery mobile**  
VERSION 1.4.5

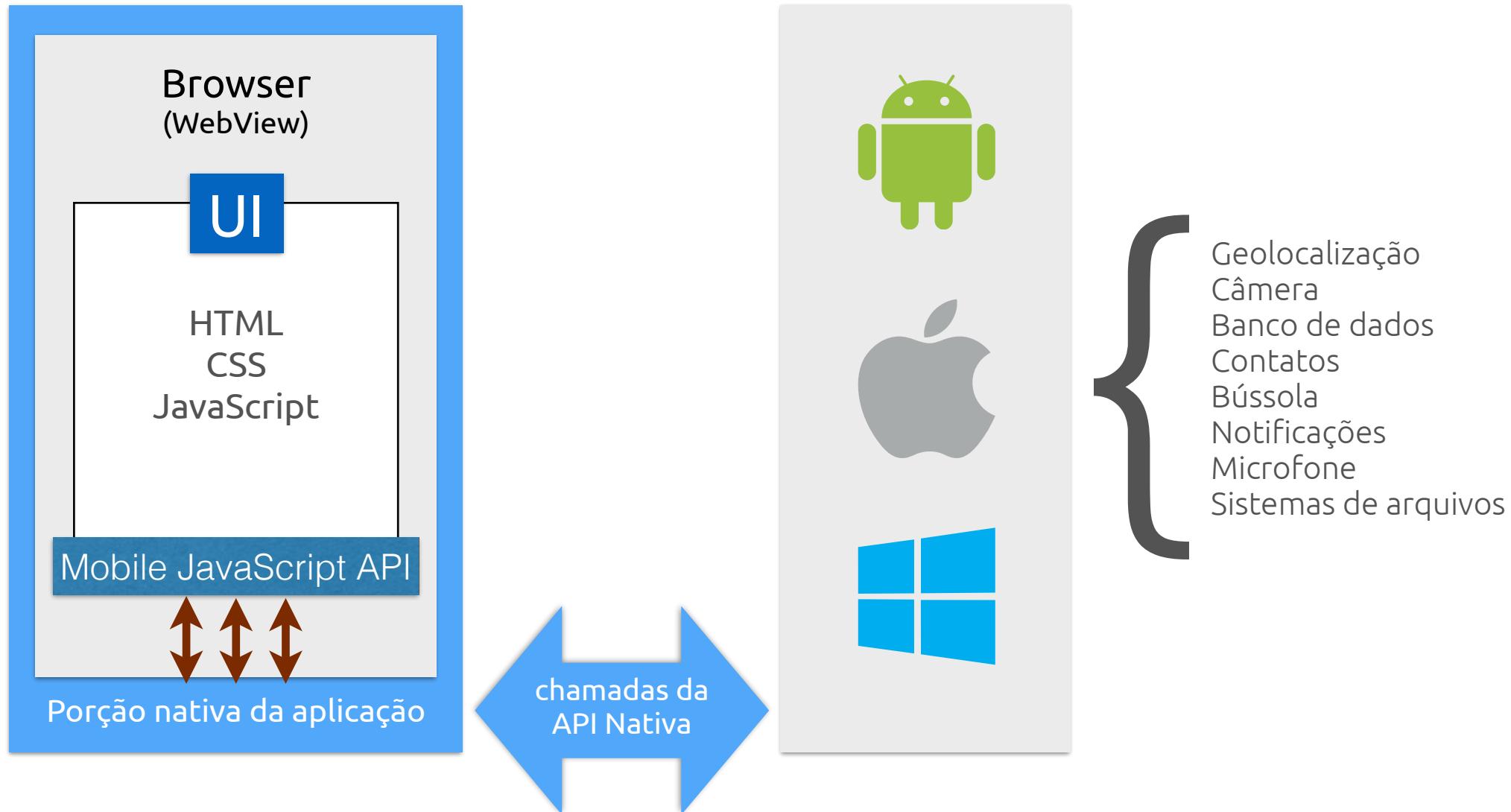
[Home](#)  
[Introduction](#)  
[Buttons](#)  
[Button widget](#)  
[Checkboxradio widget](#)  
[Collapsible \(set\) widget](#)  
[Controlgroup widget](#)  
[Datepicker](#)  
[Events](#)  
[Filterable widget](#)  
[Flipswitch widget](#)  
[Forms](#)

**Demos**

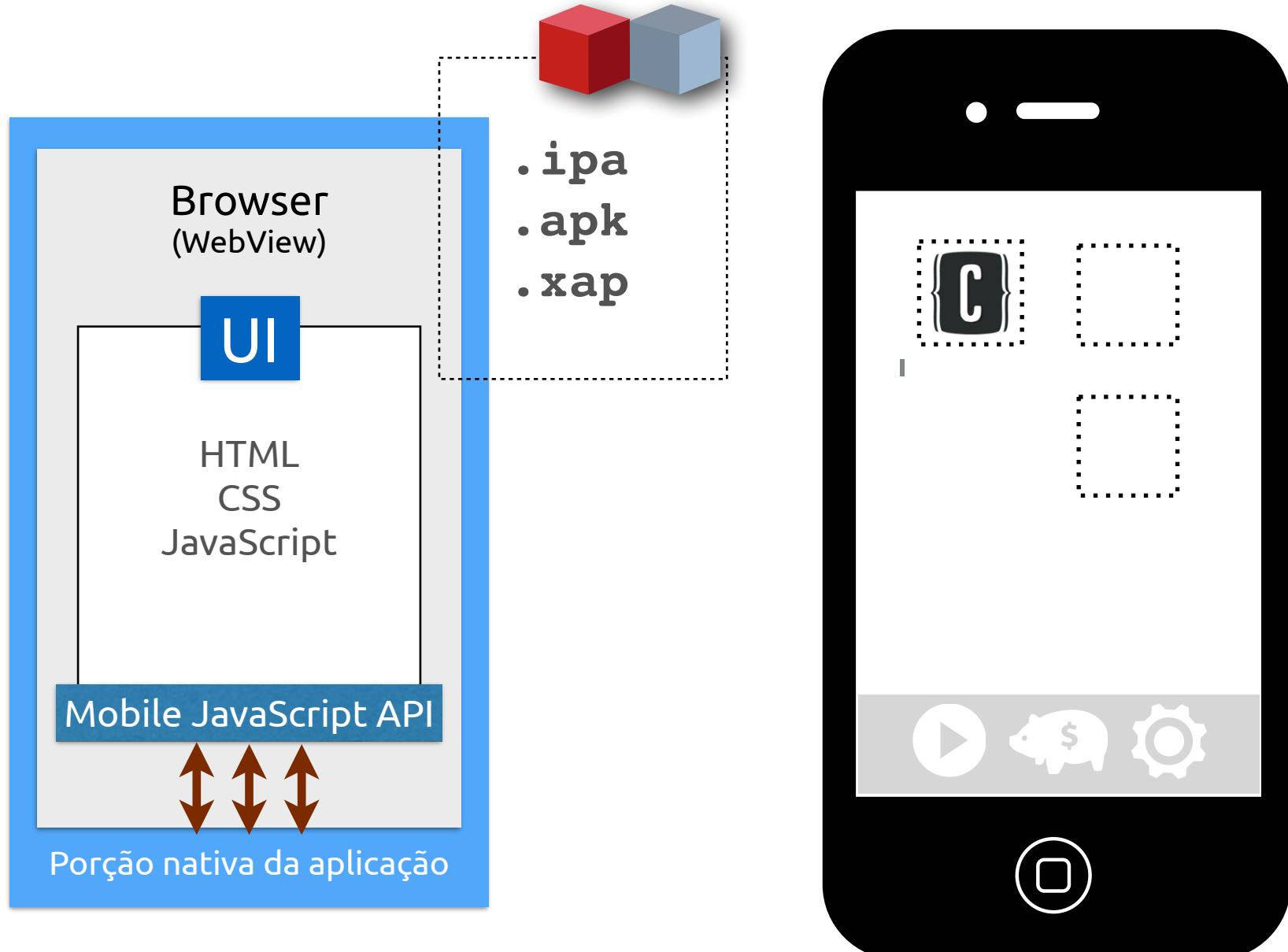
jQuery Mobile is a touch-optimized HTML5 UI framework designed to make responsive web sites and apps that are accessible on all smartphone, tablet and desktop devices.

The screenshot shows the homepage of the jQuery Mobile Demos site. It features a sidebar on the left with a list of demo categories: Home, Introduction, Buttons, Button widget, Checkboxradio widget, Collapsible (set) widget, Controlgroup widget, Datepicker, Events, Filterable widget, Flipswitch widget, and Forms. The main content area has a large image showing several mobile devices (tablets and phones) arranged together, with the jQuery Mobile logo visible on their screens.

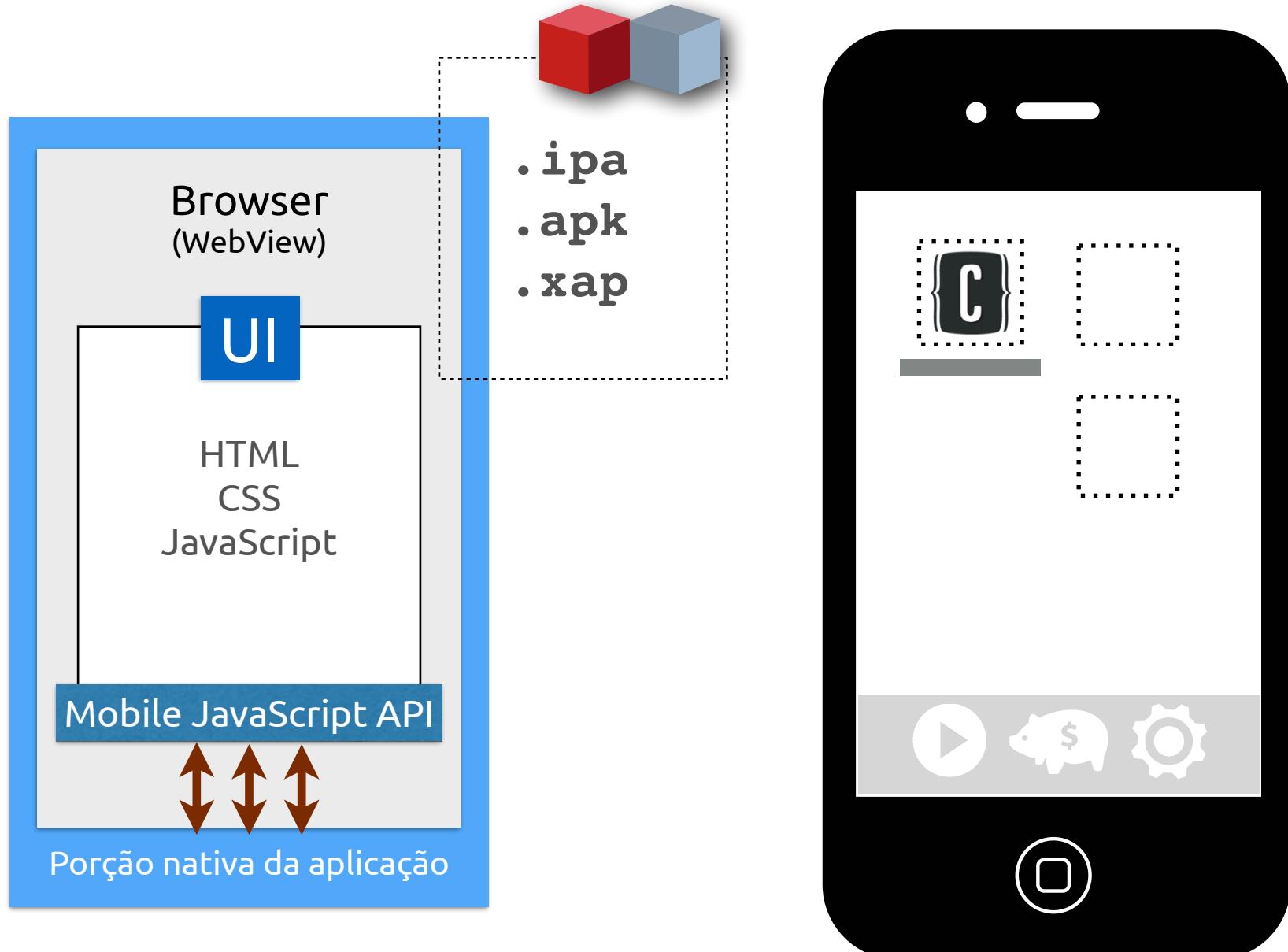
# Híbrida



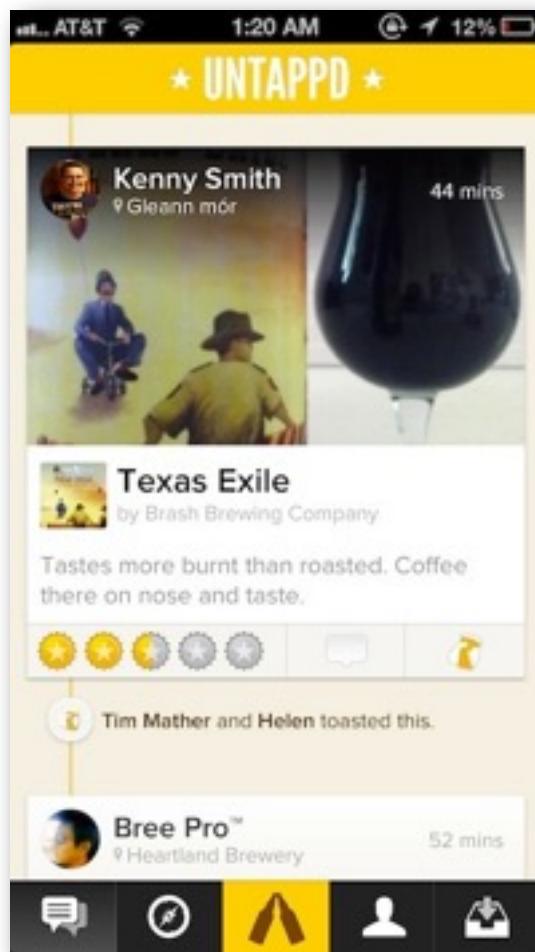
# Híbrida



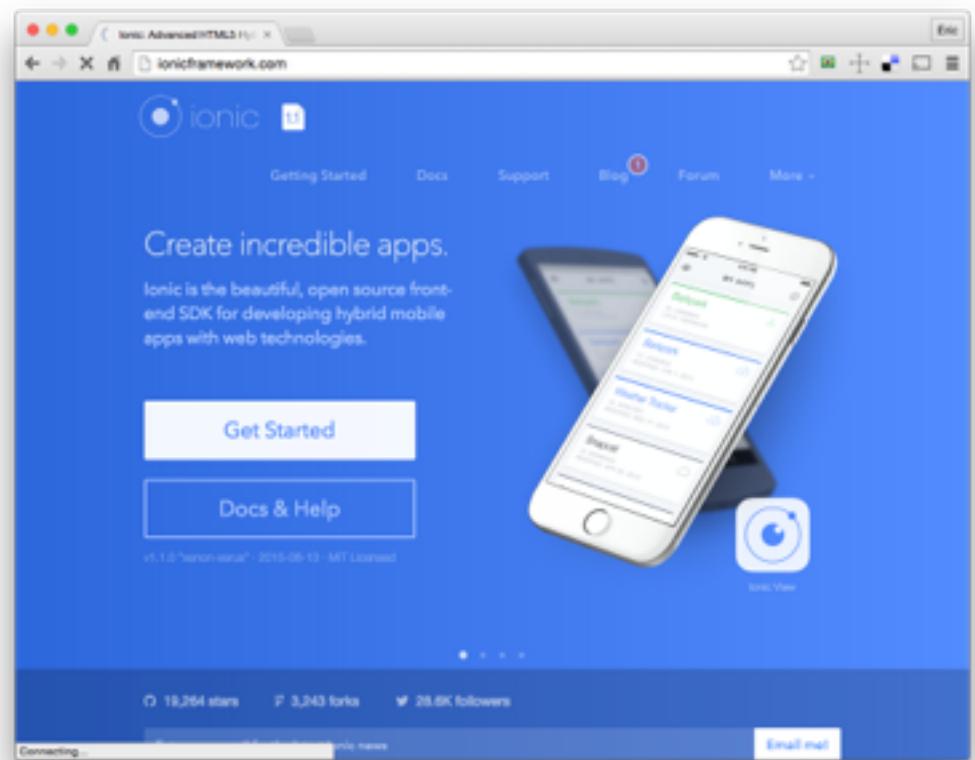
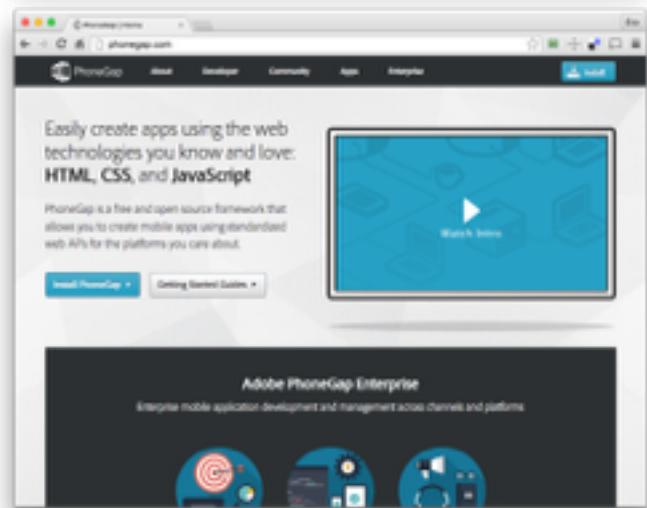
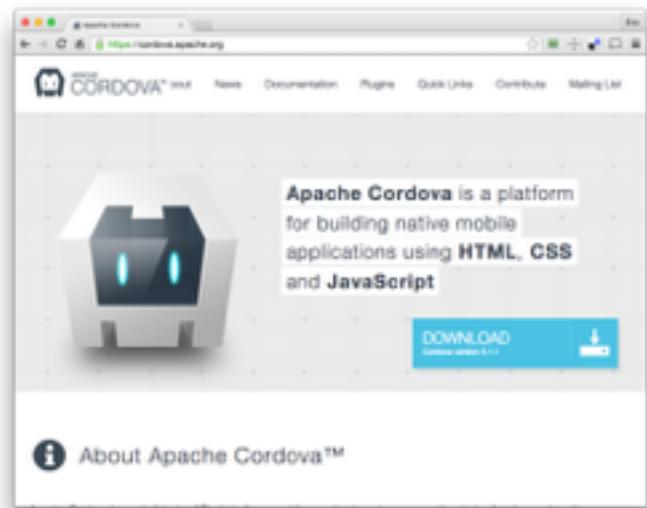
# Híbrida



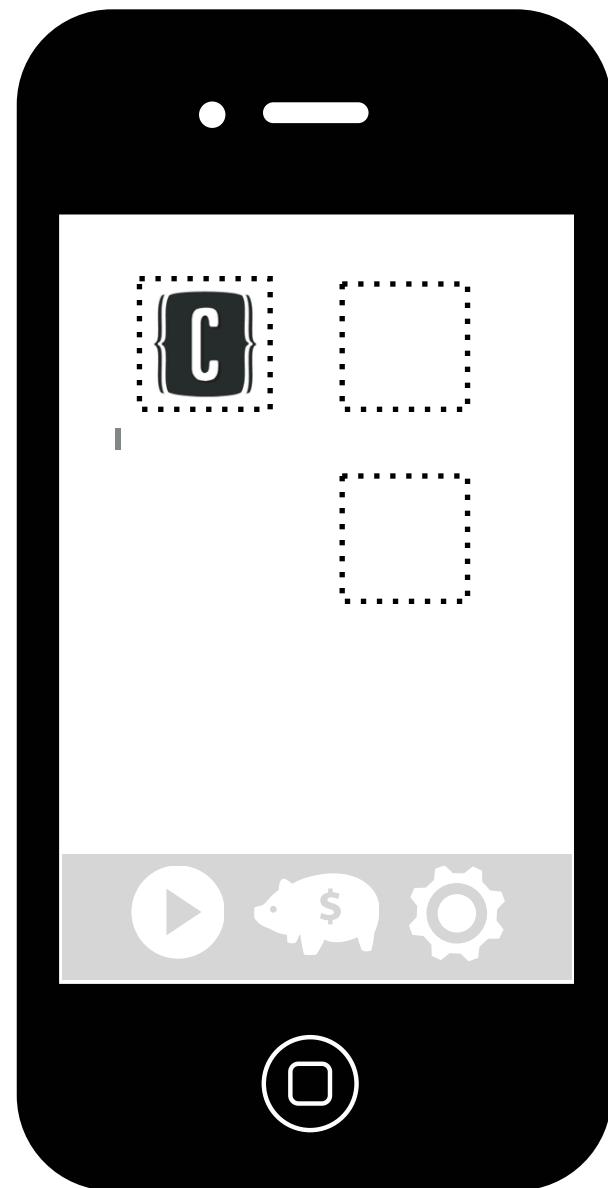
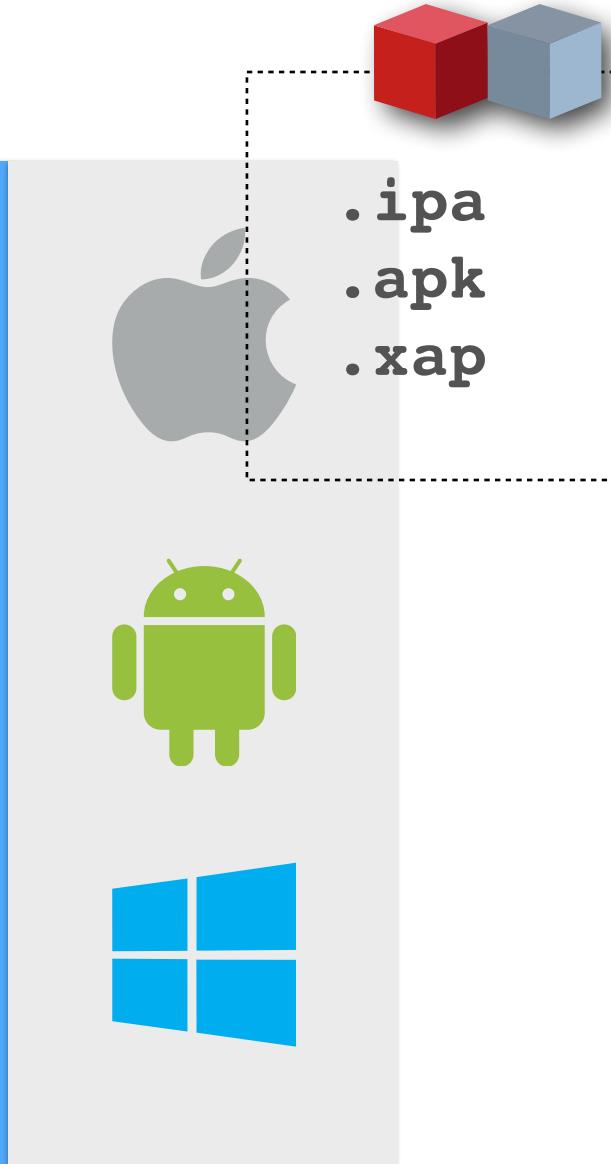
# Híbrida



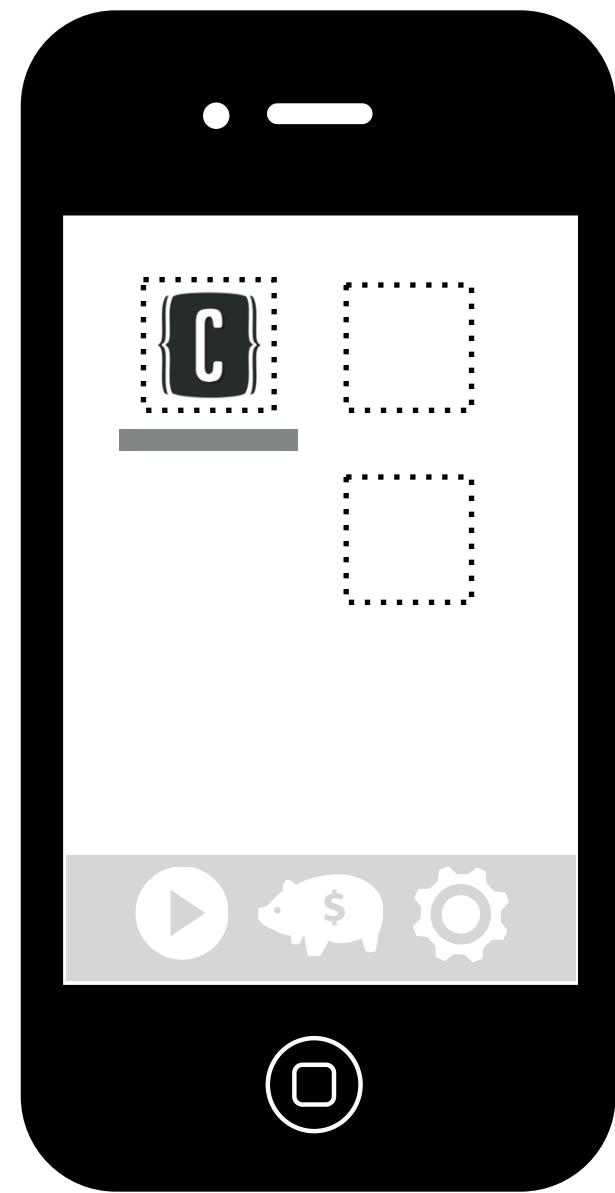
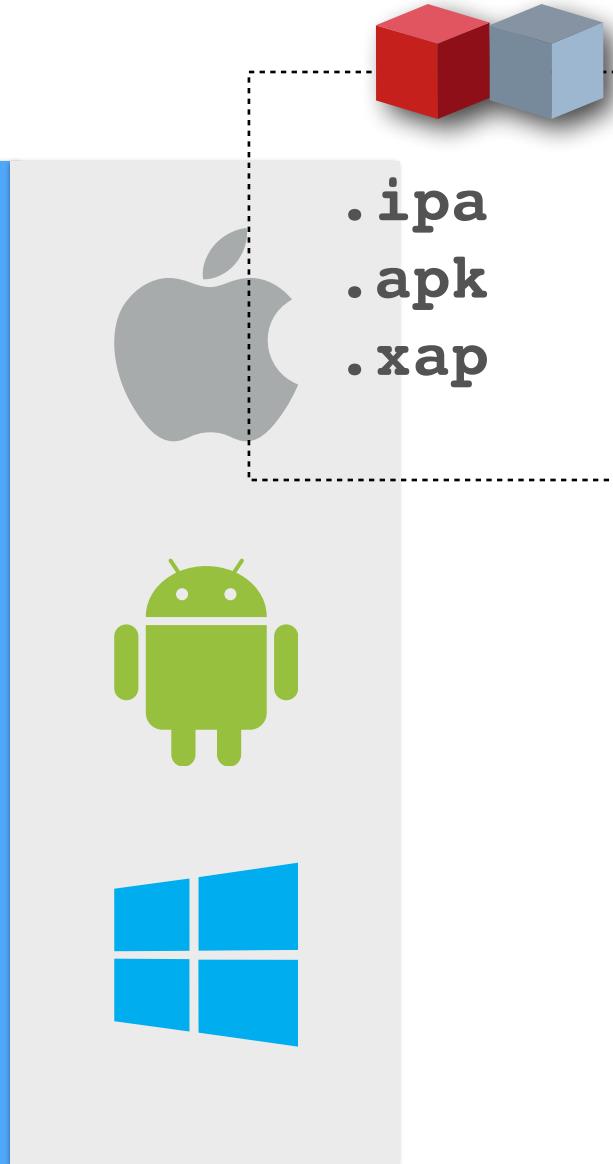
# Híbrida



# Nativa



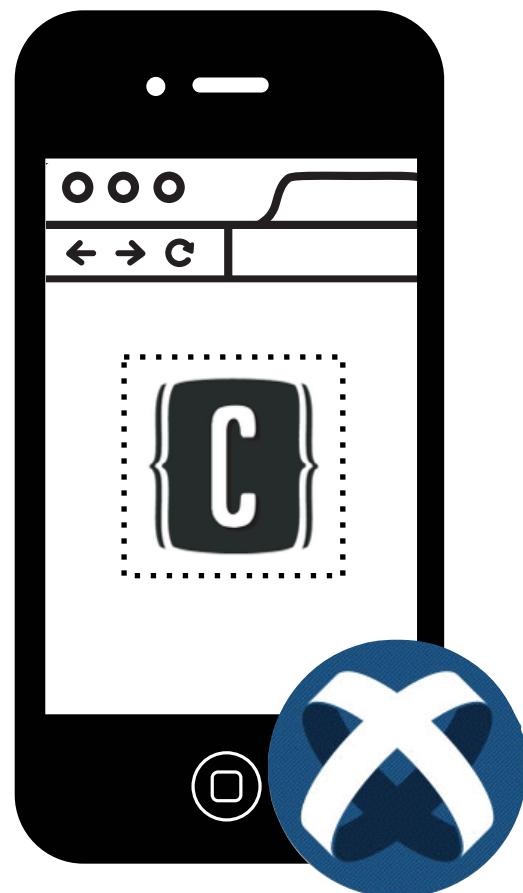
# Nativa



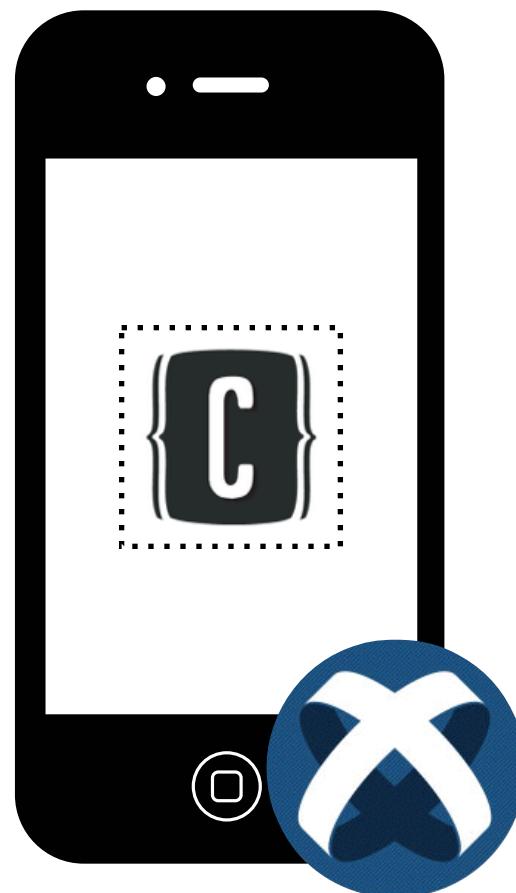
# Nativa



# E o Titanium Mobile?



Mobile Web

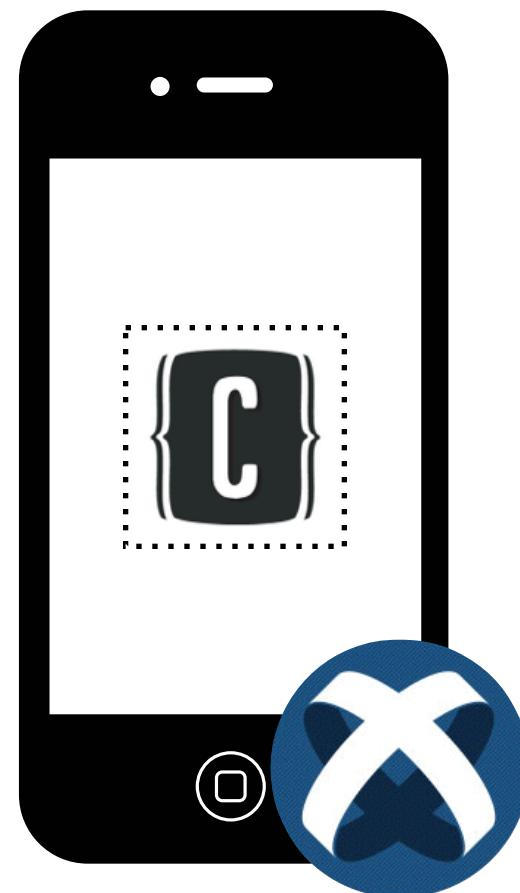


Nativa



Híbrida

# E o Titanium Mobile?



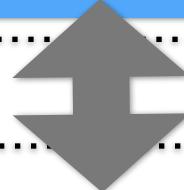
?

Nativa

# Como funciona?

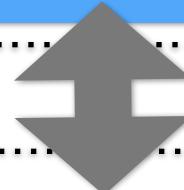
JavaScript runtime (JavaScriptCore, V8)

Application code - JavaScript



Native-JavaScript Bridge

Titanium API - Custom Modules



Native APIs

iOS, Android e Windows Phone

# Exemplo

```
var btn = Ti.UI.createButton();
```

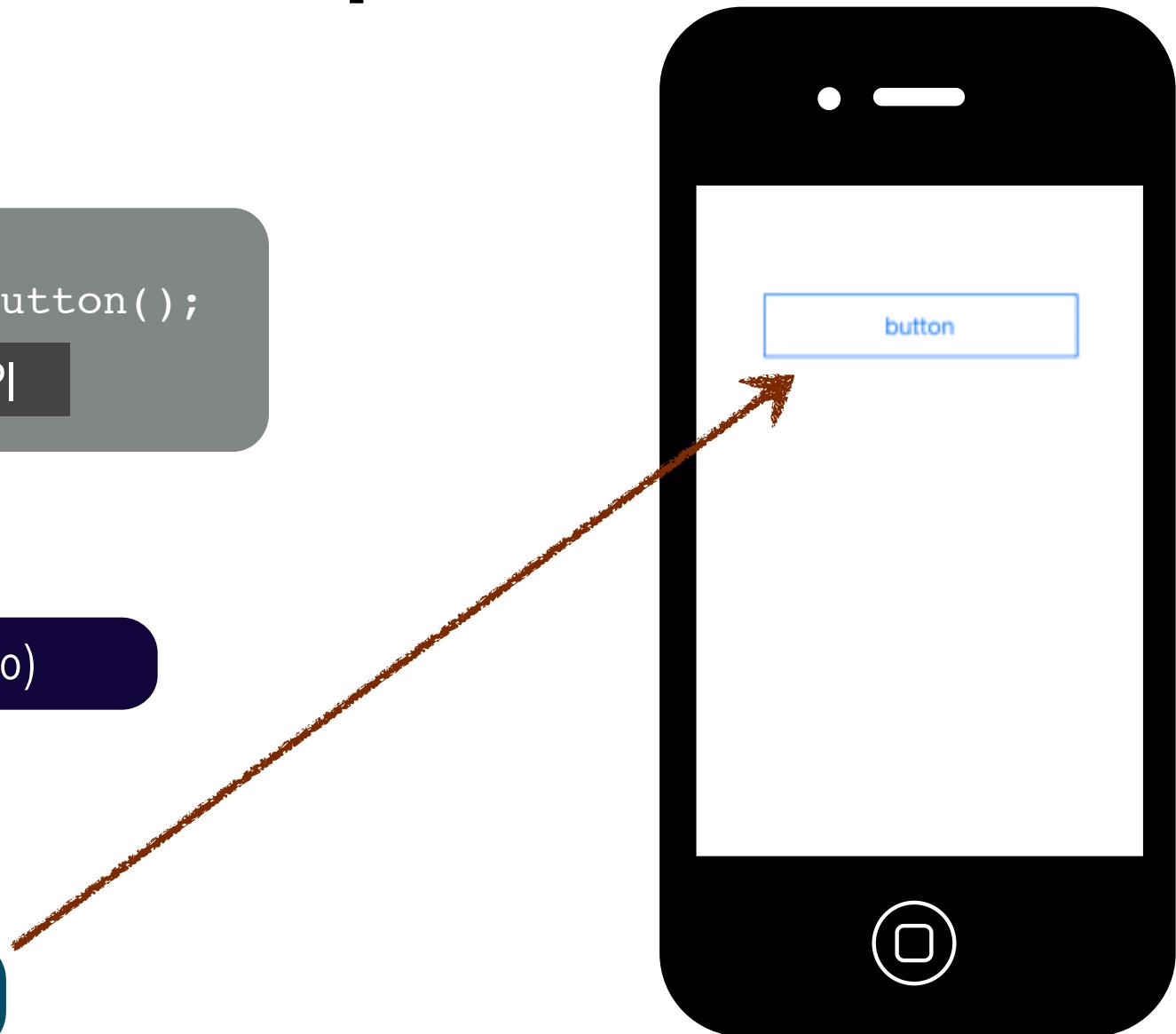
Titanium JavaScript API



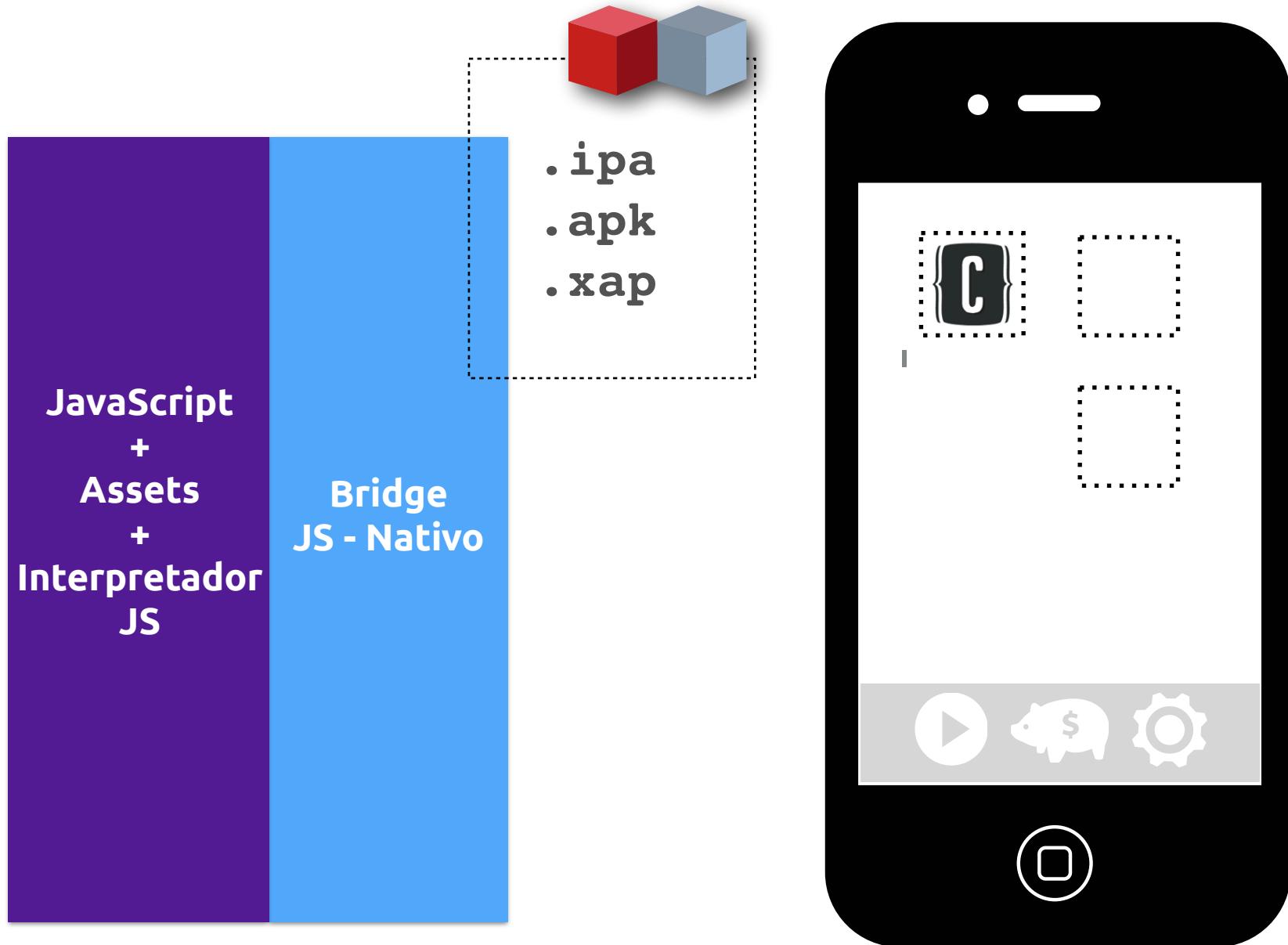
Bridge (JavaScript - Nativo)



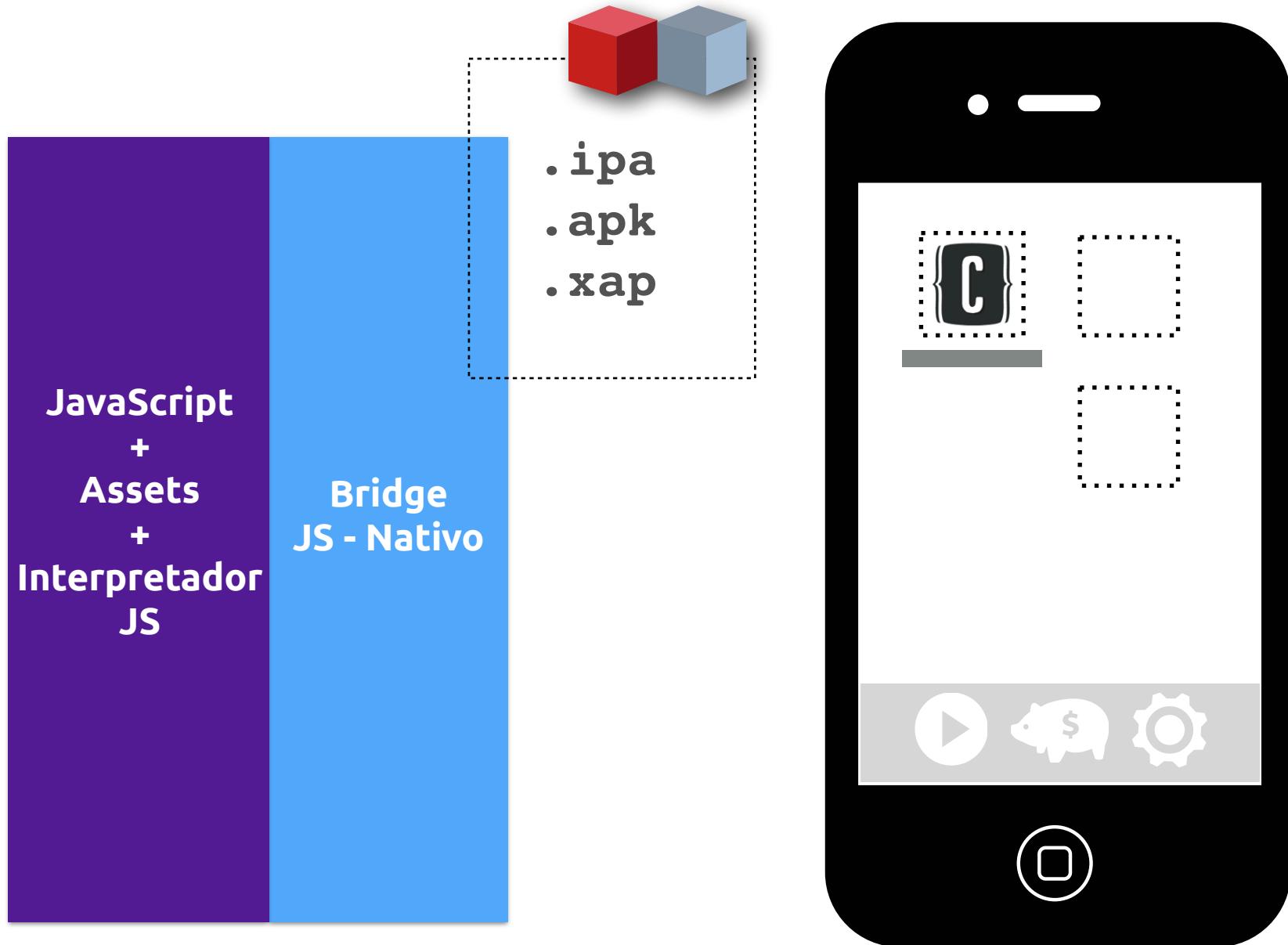
UIButton Class



# Titanium Mobile



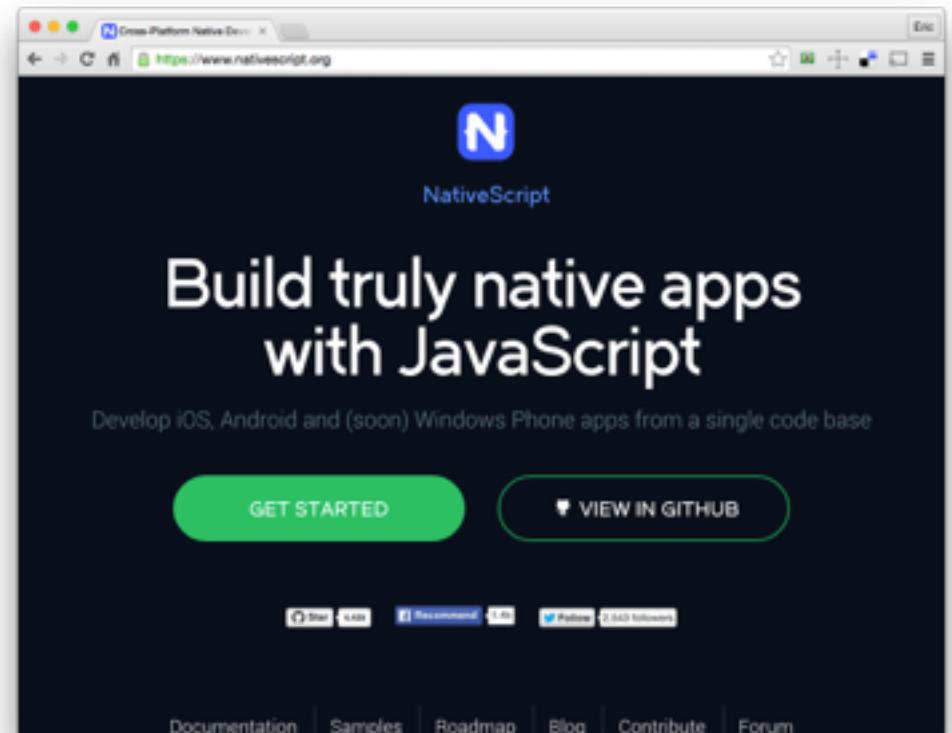
# Titanium Mobile



# Soluções similares



The screenshot shows the official React Native website. At the top, there's a navigation bar with links for 'React Native', 'Docs', 'Support', 'Releases', 'Newsletter', 'Showcase', 'GitHub', and 'React'. Below the header, a large blue banner features the text 'React Native' and 'A FRAMEWORK FOR BUILDING NATIVE APPS USING REACT'. A paragraph explains that React Native enables building world-class application experiences on native platforms using a consistent developer experience based on JavaScript and React. A prominent blue button labeled 'Get started with React Native' is centered below the text. Further down, a section titled 'Native Components' discusses using standard platform components like UITabBar and Drawer. A code snippet at the bottom shows the import statement: `// 90s  
var React = require('react-native');`



The screenshot shows the NativeScript website. The header includes a logo consisting of a blue 'N' inside a rounded square, followed by the text 'NativeScript'. Below the header, a large call-to-action text reads 'Build truly native apps with JavaScript'. A subtext states 'Develop iOS, Android and (soon) Windows Phone apps from a single code base'. Two buttons are present: a green 'GET STARTED' button and a white 'VIEW IN GITHUB' button. At the bottom, there are social media icons for GitHub, Facebook, and Twitter, along with links for 'Documentation', 'Samples', 'Roadmap', 'Blog', 'Contribute', and 'Forum'.

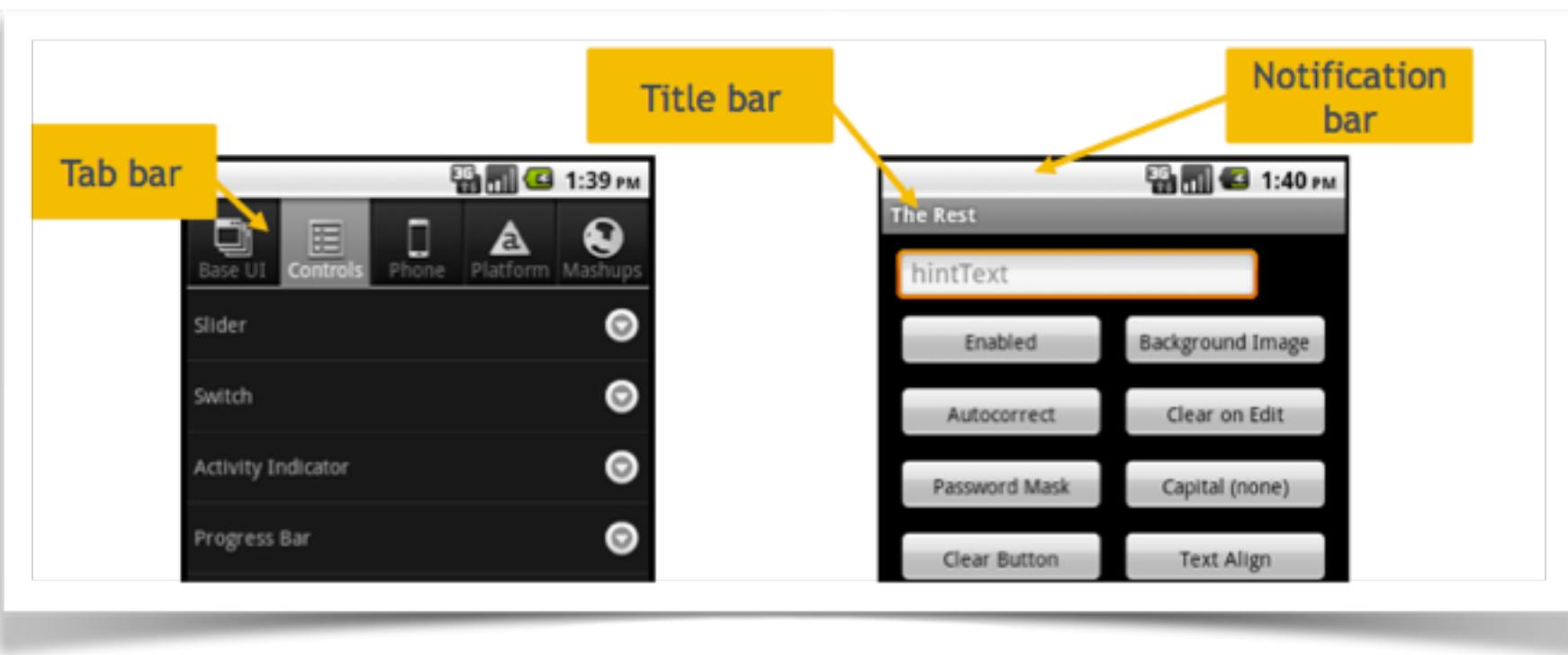
# Por que nativa?

O usuário já está acostumado em utilizar aplicações nativas em seu dispositivo

UI nativa tem melhor performance

Aumentamos consideravelmente a probabilidade de aprovação por lojas mais criteriosas

# Plataforma Android



# Plataforma iOS



# Por que nativa com Titanium?



1

Não estamos limitados a uma  
plataforma específica

Suporte para as maiores  
plataformas  
(iOS, Android, Mobile Web,  
Windows)

# Por que nativa com Titanium?

2

Reduz o tempo gasto  
aprendendo diversas linguagens

Conhecimento facilmente  
transferido

# Por que nativa com Titanium?

3

Código base único

Reduz duplicação de esforço

# código nativo iOS

```
// Objective-C
```

```
UIAlertView *alert = [[UIAlertView alloc]
 initWithTitle:@"Alert"
 message:@"Hello World"
 delegate:nil
 cancelButtonTitle:@"OK"
 otherButtonTitles:nil];

[alert show];
```



# código nativo iOS

// Swift

```
let alertView = UIAlertController(title: "Alert", message: "Hello World",  
    preferredStyle: UIAlertControllerStyle.Alert)  
alertView.addAction(UIAlertAction(title: "Ok", style: UIAlertActionStyle.Default,  
    handler: nil))  
presentViewController(alertView, animated: true, completion: nil)
```

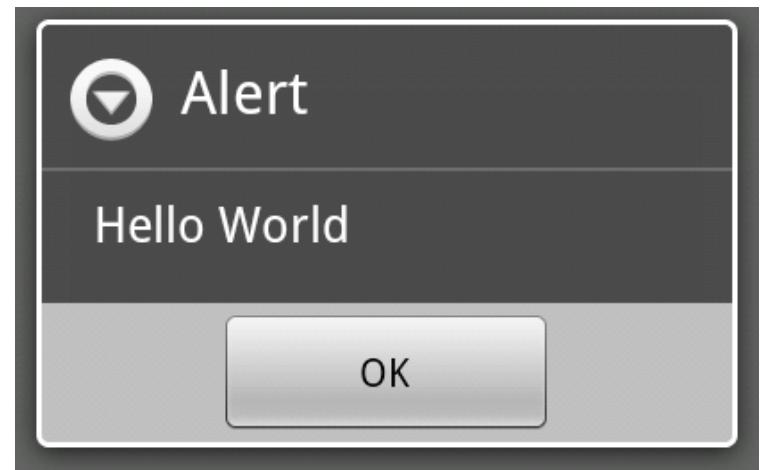


# código nativo Android

```
// Java/Android
```

```
AlertDialog.Builder alertDialog = new AlertDialog.Builder(this).create();
alertDialog.setMessage("Hello World");
alertDialog.setPositiveButton("OK", new DialogInterface.OnClickListener() {
    public void onClick(DialogInterface dialog, int id) {
        // Fazer alguma coisa
    }
});

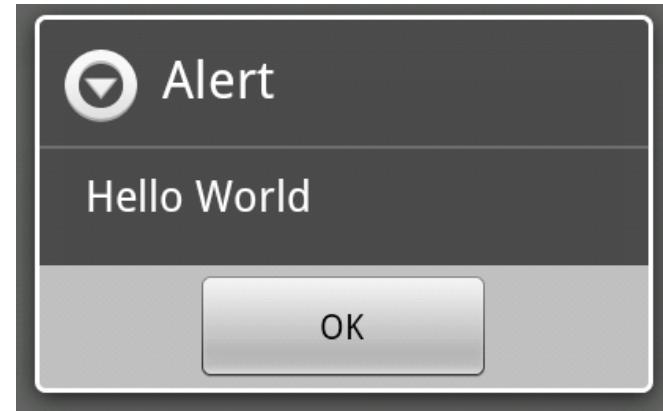
alertDialog.show();;
```



# Com o Titanium

```
alert("Hello World");
```

...e multi-plataforma!



# Windows Phone

```
MessageBox.Show("Hello World");
```

# Showcase



<http://www.appcelerator.com/customers/app-showcase/>



# NBC iOS

Video myNBC Login

All Shows Full Episodes

Saturday Night Live Seth MacFarlane hosts Saturday Night Live... Late Night with Jimmy Fallon Hugh Laurie, J.J. Abrams, Gia... America's Got Talent Six talented finalists performed... Late Night with Jimmy Fallon Emma Watson, Tony Danza,...

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The Voice

New: Tomorrow 8/7c. "The best reality singing compet..."

Latest Full Episodes myFeed

Saturday Night Live Seth MacFarlane hosts Saturday Night Live...

GRIMM MONDAYS 10/9c

Home Shows Video Schedule More

SHOWS FULL EPISODES SCHEDULE Search myNBC Login ?

SATURDAY NIGHT LIVE

Season Premiere, Tomorrow 11:30/10:30c. Seth MacFarlane hosts with musical guest Frank Ocean. Watch previews with Seth MacFarlane now.

WATCH CLIP

TONIGHT ON 8pm GUYS WITH KIDS 8:30pm GO ON 9pm GRIMM 10pm DATELINE NBC 11:34pm THE TONIGHT SHOW W...

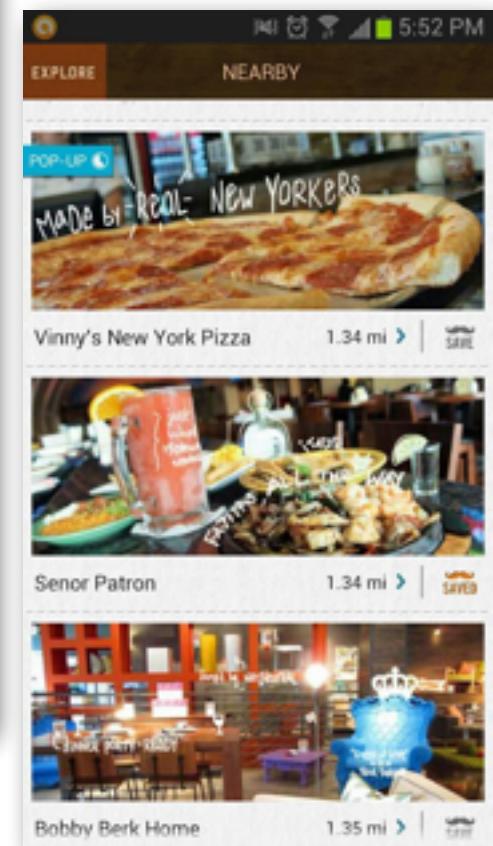
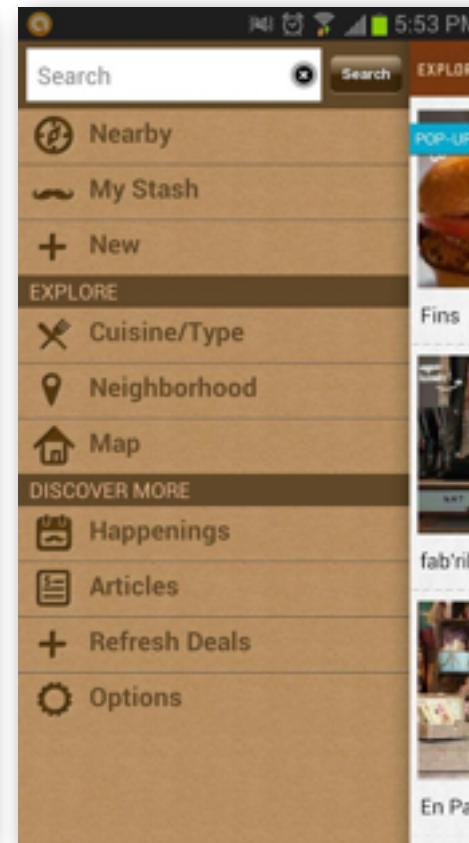
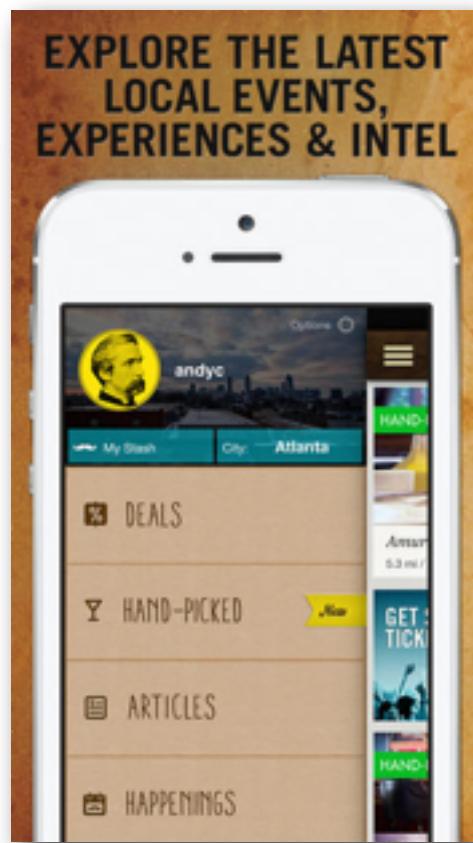
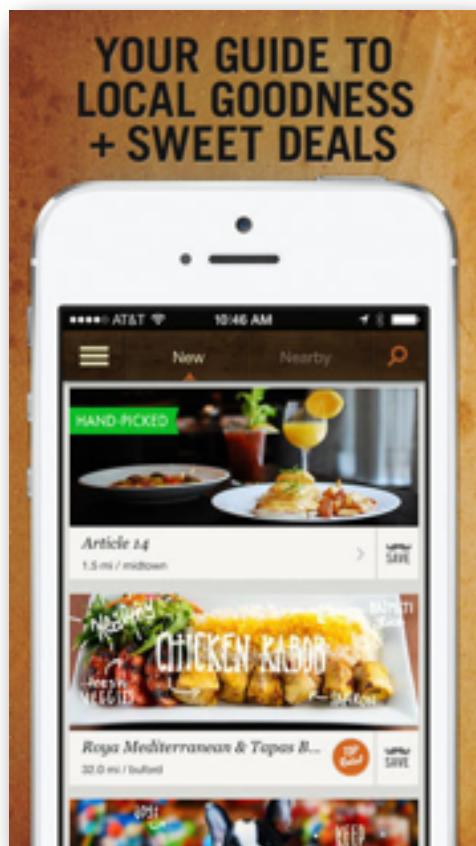
Days of our Lives Wednesday, September 12, 2012 Sofi's Choice Go On He Got Game, She Got Cats Blind Auditions, Part 2

The Voice Watch Season 3 full episodes online now.

THE BEST HANDS DOWN! THE VOICE MONDAYS & TUESDAYS 8/7c

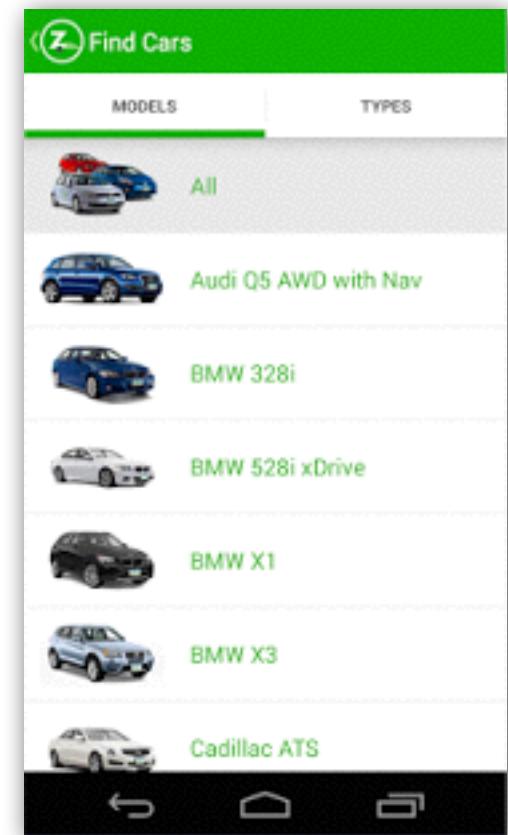
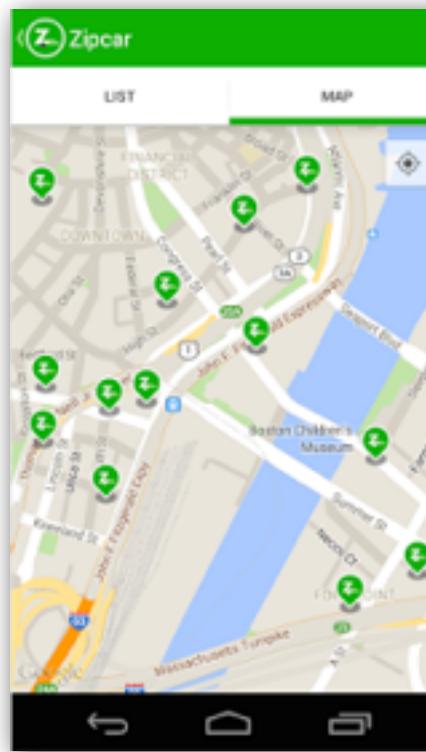
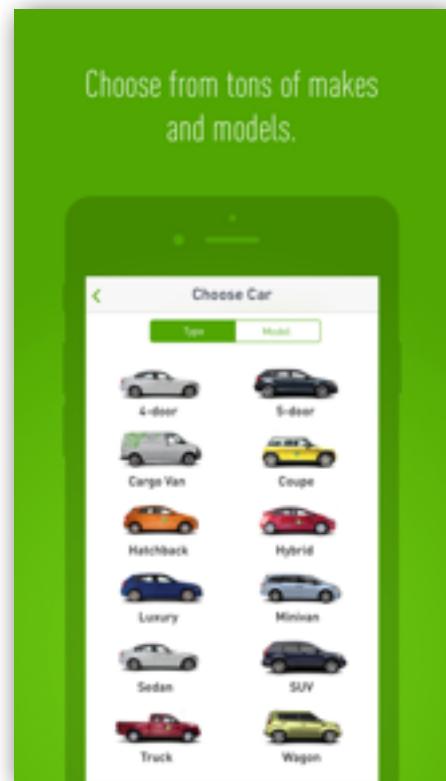
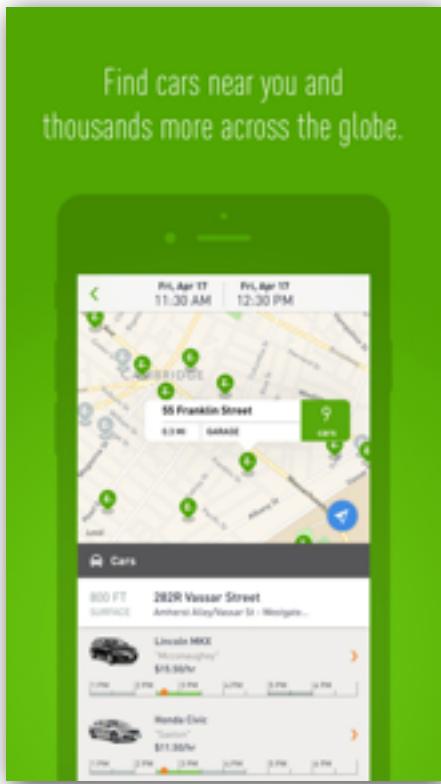
# Scoutmob

## iOS e Android



# ZIP CAR

## IOS e Android



# Wotchapp!

## iOS e Android



A screenshot of the Wotchapp iOS application. At the top, it shows 'Operadora' and '9:54 PM'. Below that is a search bar with 'Buscar' and a magnifying glass icon. Underneath is a navigation bar with icons for 'Promoções', 'Chat', 'Explorar', 'Conta', and 'Info'. The main content area displays a list of coffee shops with their names, ratings (from 1 to 5 stars), addresses, and small icons. Each item has a 'Mais' button to its right.

A screenshot of the Wotchapp iOS application showing a detailed view of a coffee shop. The top bar shows 'Operadora', '9:56 PM', and 'wotchapp'. The main content area shows 'Sightglass Coffee' at '270 7th St' with a 5-star rating. It includes tabs for 'Informações' and 'Publicar'. Below that is a 'Fotos' section with several thumbnail images of coffee and people. A 'Comentários' section follows, featuring reviews from 'Jon M.' and 'Eva F.'. At the bottom is a navigation bar with 'Promoções', 'Chat', 'Explorar', 'Conta', and 'Info'.

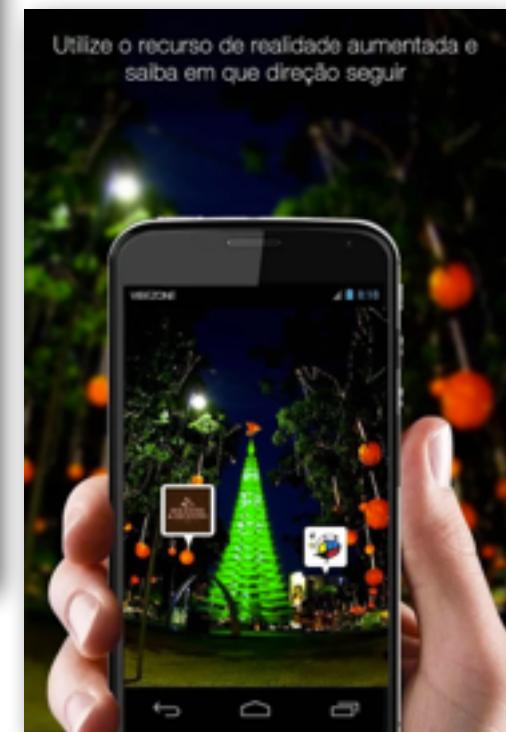
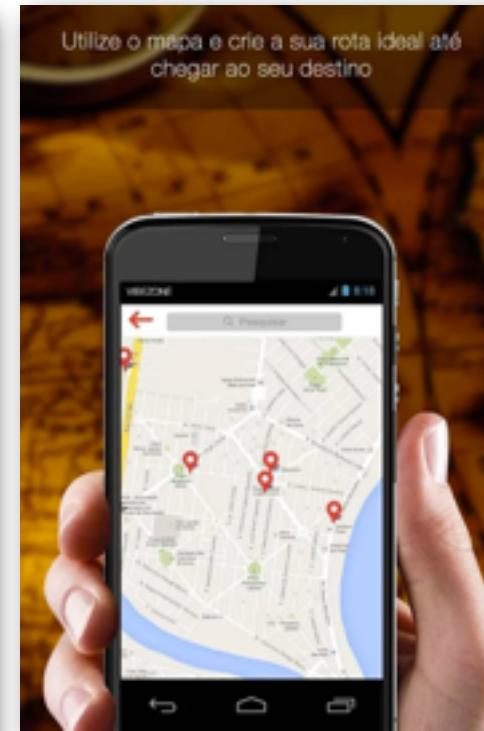
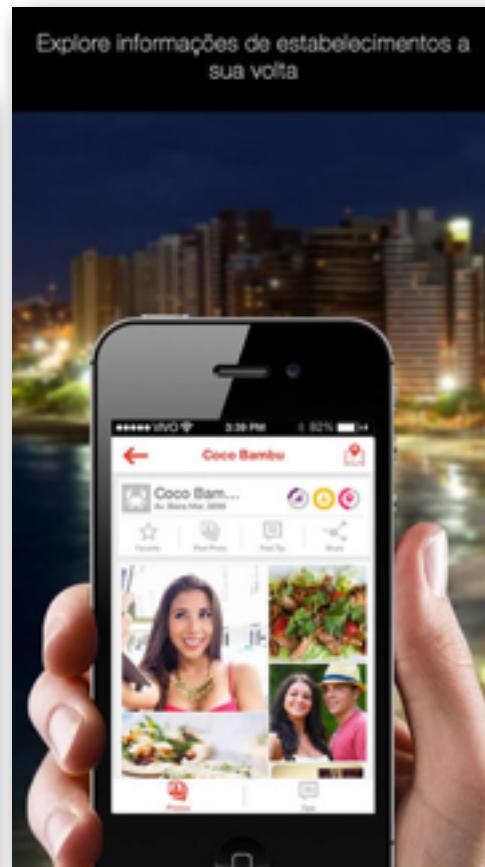
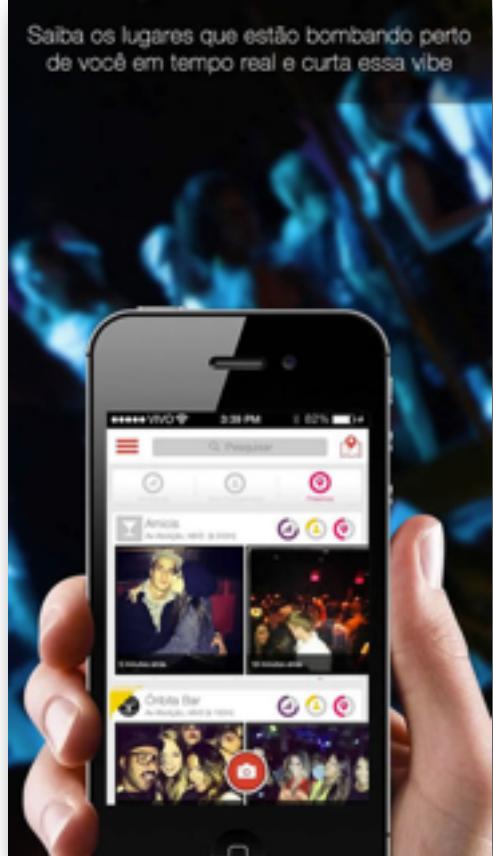
A screenshot of the Wotchapp Android application showing a list of locations. The top bar shows 'Highlight', 'Chat', 'Wotchapp', 'Account', and 'Info'. The main content area shows a list of places with icons, names, addresses, and star ratings. The places listed are 'North Shopping Fortaleza', 'Barraca Crocobeach', 'Beach Park', 'Barraca Terra do Sol', 'Praia de Iracema', and 'Lago Jacarey'. Each entry includes a 'Mais' button.

A screenshot of the Wotchapp Android application showing a detailed view of a location. The top bar shows 'wotchapp'. The main content area shows 'Beach Park' at 'R. Porto das Dunas, 2734' with a 5-star rating. It includes tabs for 'Info' and 'Photo/Comment'. Below that is a 'Photos' section with several thumbnail images. A 'Comments' section follows, featuring reviews from 'Micheline A.', 'Pedro M.', 'Valéria P.', 'Tainara G.', 'Leonardo F.', and 'Haroldo F.'. At the bottom is a navigation bar with 'Info', 'Photo/Comment', 'Photos', 'Comments', 'Info', and 'Photo/Comment'.



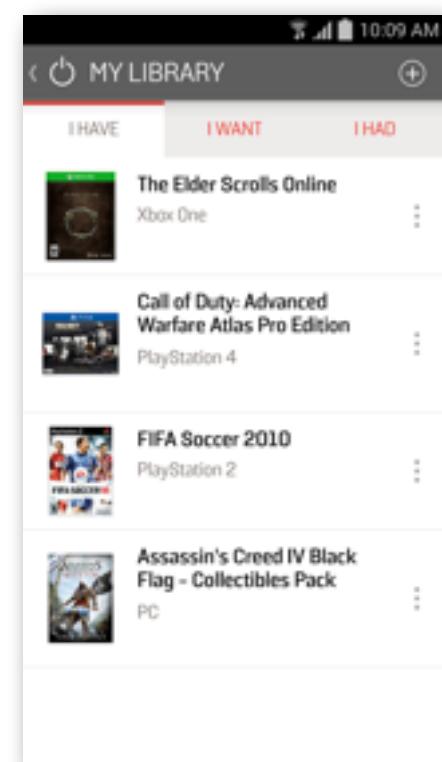
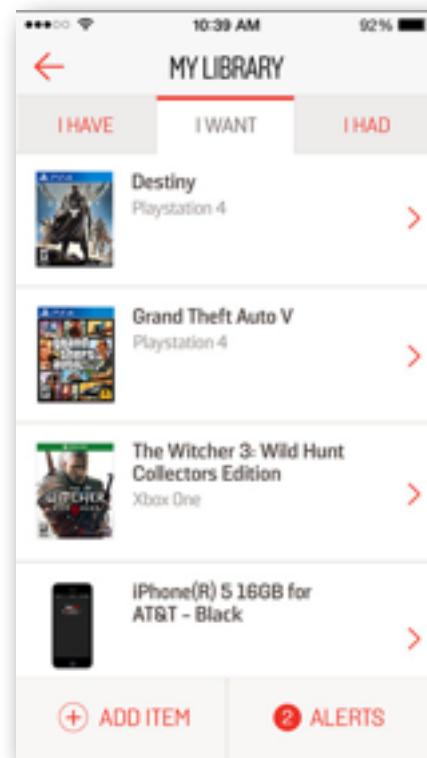
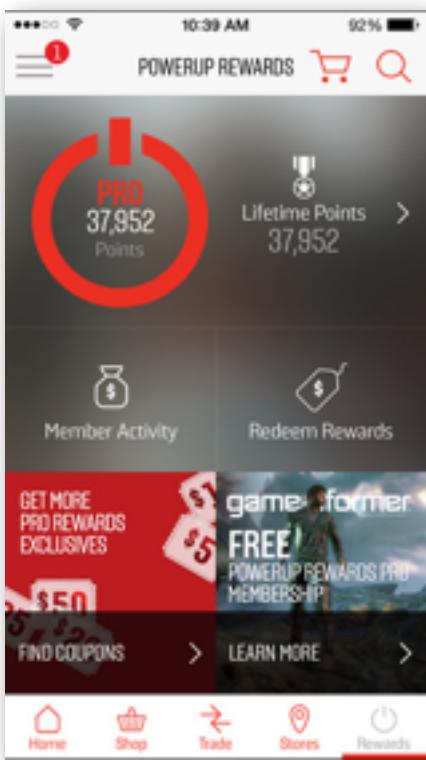
# VIBEZONE

## iOS e Android



# gamestop

## iOS e Android



# Sc

# Snowciety

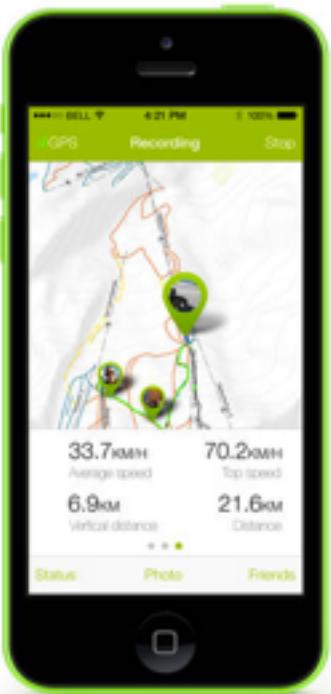
## Social ski tracker

### iOS e Android

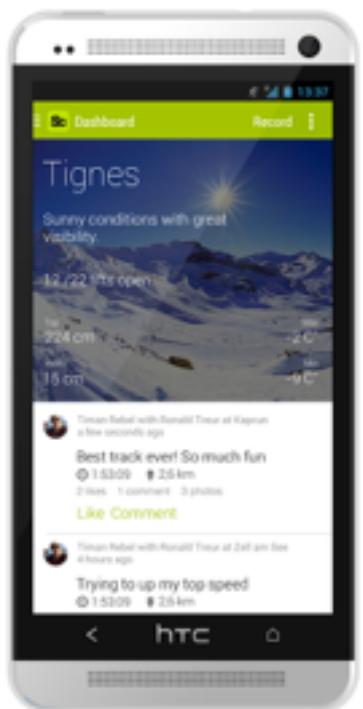
Share your passion  
for snow with friends



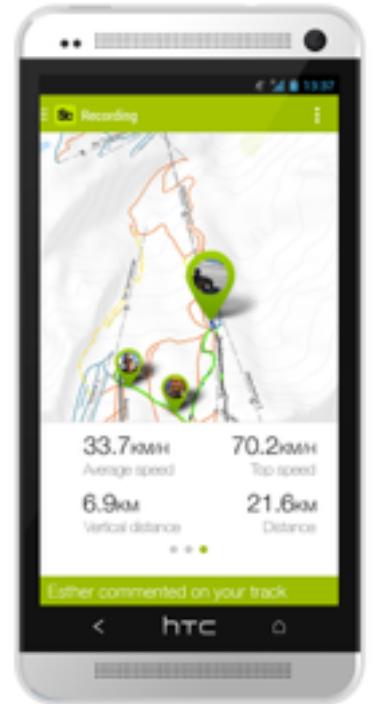
Track your runs on the  
mountain

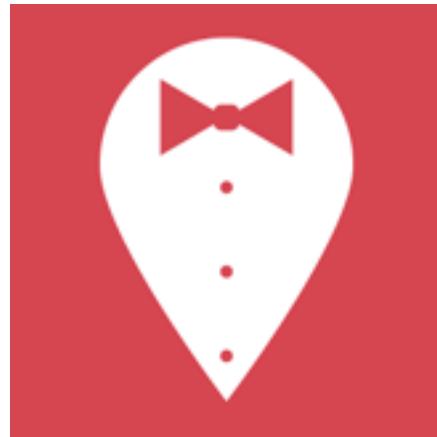


Share your passion  
for snow with friends



Track your runs on the  
mountain





# Carddi

## iOS e Android

Veja detalhadamente as informações do local

09:41 AM

Próximos

Detalhes

Applebee's

Massas, Hambúrgueres

Aberto até às 10:45

Rua Fernando Gomes, 114

Porto Alegre

5.10km

Tele-entrega (51) 3325-8888

Veja sua redondeza sem sair do sofá

09:41 AM

Próximos

- Restaurante Casa Silva
- Santo Espeto
- Stylo Lanches
- Xis do Vini - Taquara
- Chocolataria Gramado

Detalhes do Restaurante

Fratello Sole

Pizzaria, Carnes, Risotos

Aberto até às 17:30

Delivery

Antepasti

Bebidas

Catões

Carnes

Pastas

Pasta Docce

Pizzas Especiais

14:52

Serviços

- Cartões de Crédito
- Cartões de Débito
- Tele Entrega
- TV Cabo



# PiniOn

## iOS e Android

MISSÕES LOCALIZADAS  
Visite, dê opinião e ganhe dinheiro!

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Extrato Saque

SALDO ATUAL  
R\$ 30,25  
thiago@pinion.com.br

BANCO PayPal

Favor informar seu email cadastrado na sua conta do PayPal:

Email \_\_\_\_\_

Confirmar Email \_\_\_\_\_

**SOLICITAR TRANSFERÊNCIA**

LEMBRE DE ABRIR O APLICATIVO  
EM VÁRIOS LOCAIS DIFERENTES

MY MISSIONS	NEW MISSIONS
0 Engaged	100 Nearby
1 Pending	0 Virtual
35 Done	Redeem

**Withdraw**

Mission

MONITORAMENTO  
Livraria Nobel - Butantã

0 Min 10 20 30 40

Livraria Nobel - Butantã  
Av. Doctor Vital Brazil 1250

**Instructions**

Nessa missão precisamos que você monitore a livraria ou banca selecionada de acordo com as instruções a seguir.

Responda as perguntas após visitar a livraria ou banca e procurar pelo livro autobiográfico de Mário Douglas (Autor: Douglas Duran).

Caso o livro Douglas não esteja disponível na loja visitada, marque a opção 1 na primeira questão, responda as demais questões relacionando a ausência do produto e tire fotos do ambiente da loja para comprovar que foi até o local.

**Instruções para a foto:**

- Preste atenção no título e enquadramento.
- Não se faça aceleração foto tiradas da tela de outros aparelhos/computador.
- As respostas tem fotos serão rejeitadas automaticamente.
- Evite a utilização de flash.
- Caso o sinal do 3G esteja ruim, salve a missão para enviar-la de uma rede WiFi. Lembrar-se de enviar a antes do prazo de tempo terminar para **receber** recompensas.

**START NOW** **ENGAGE**



# PiniOn

## iOS e Android

The image displays two side-by-side screenshots of the PiniOn mobile application. The left screenshot shows the main dashboard at 2:48 AM, featuring a profile picture of 'Ygor Lemos' and email 'ygbr@mac.com'. It shows mission statistics: 0 Pending, 31 Approved, 23 Expired, 20 Aborted, 8 Rejected, and 0 Reserved. Below this is a level indicator for 'Eagle' to 'Royce' with a progress bar at 10600/20000. The right screenshot shows a mission detail for 'Yoggi - Shopping Raposo Tavares' at 2:50 AM. It includes a map showing a route from 'Rodovia Raposo Tavares, Km14,5 - Quiosque SP 07' to 'Rua Antônio Raposo Tavares, 70'. A button labeled 'Instruções' provides mission details: 'Nessa missão você deve ir até uma das lojas da Yoggi solicitada na missão durante o horário de funcionamento, fazer o seu pedido, avaliar atenciosamente todo o atendimento e a qualidade do produto e anotar o nome da pessoa que lhe atendeu. Missões sem o nome do funcionário que realizou o atendimento serão rejeitadas!'. Below this are buttons for 'Apple Maps', 'Google Maps', and 'Waze', with 'Waze' being highlighted. At the bottom is a 'Cancelar' button.

Carrier: 2:48 AM

Carrier: 2:50 AM

Missões Pendentes: 0

Missões Aprovadas: 31

Missões Expiradas: 23

Missões Abortadas: 20

Missões Rejeitadas: 8

Missões Reservadas: 0

Ygor Lemos  
ygbr@mac.com

Nível Atual: Eagle  
Próximo Nível: Royce  
10600 / 20000

Conquistas  
Ranking

Amigos Cidade Geral

1 Victor Silva Ninja 35824 pontos

2 Juliana Zanetti Eagle 14300 pontos

Parte Histórico Missões Prêmios Configurações

Missões

Missão

R\$ 15

Cliente Oculto

10 2km Rodovia Raposo Tavares, Km14,5 - Quiosque SP 07

Instruções

Nessa missão você deve ir até uma das lojas da Yoggi solicitada na missão durante o horário de funcionamento, fazer o seu pedido, avaliar atenciosamente todo o atendimento e a qualidade do produto e anotar o nome da pessoa que lhe atendeu. Missões sem o nome do funcionário que realizou o atendimento serão rejeitadas!

Traçar a rota usando:

Apple Maps

Google Maps

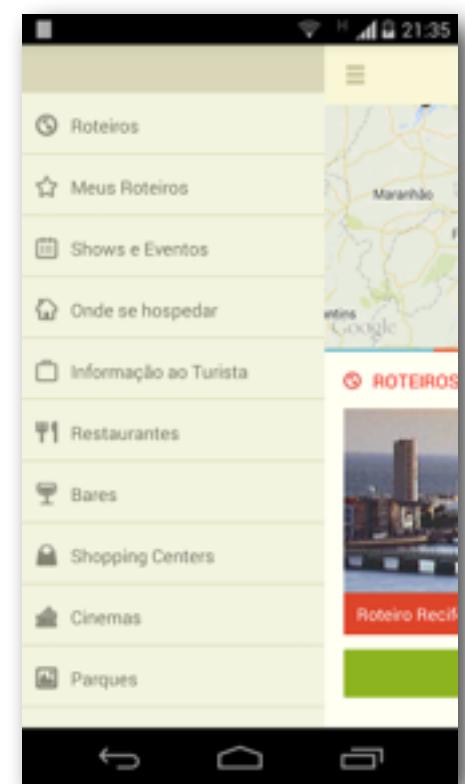
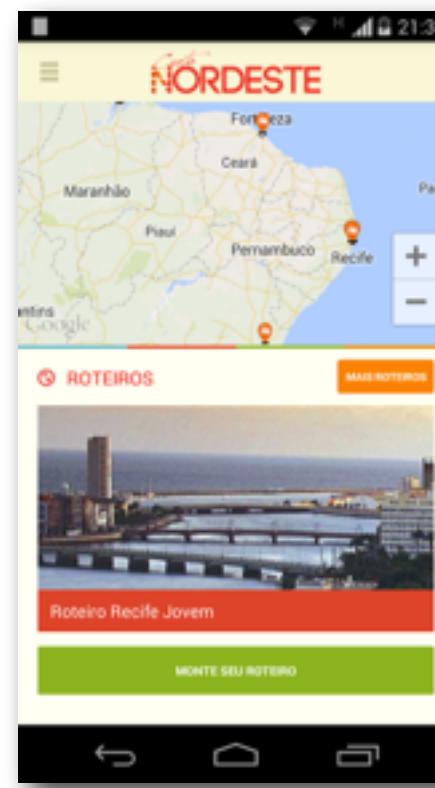
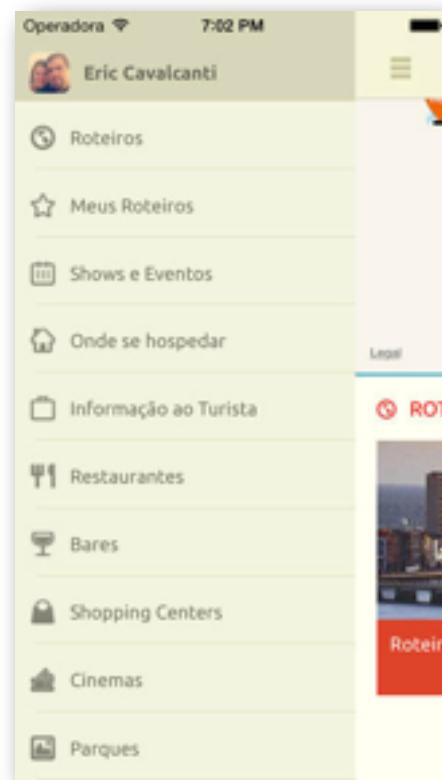
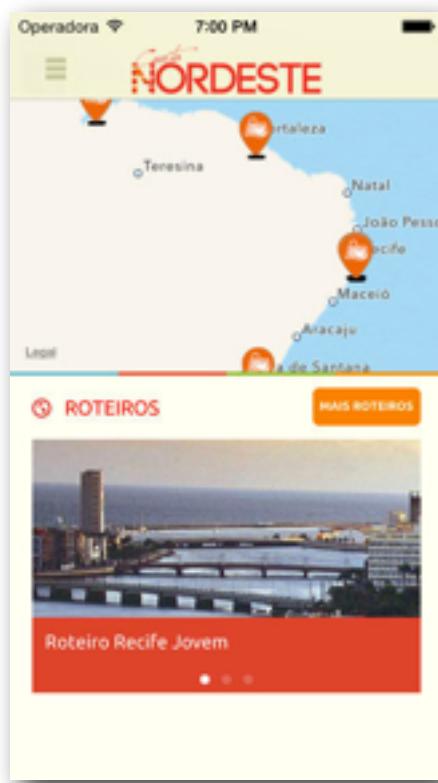
Waze

Cancelar



# Curta Nordeste

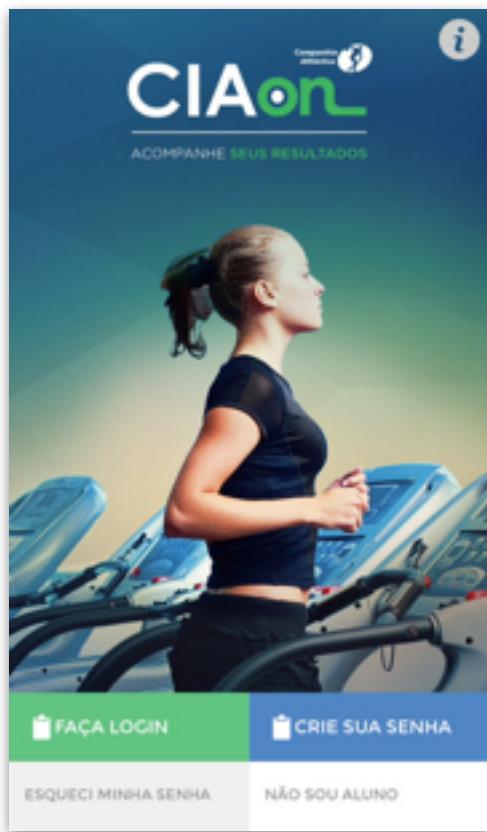
## iOS e Android





# Cia Athletica

## iOS e Android



**CIAon**

QUINTA-FEIRA

15:00	Cia Funcional
15:30	Zumba
16:00	Hopping
16:30	Futsal
17:00	

HORÁRIOS    TREINOS    RESULTADOS

**CIAon**

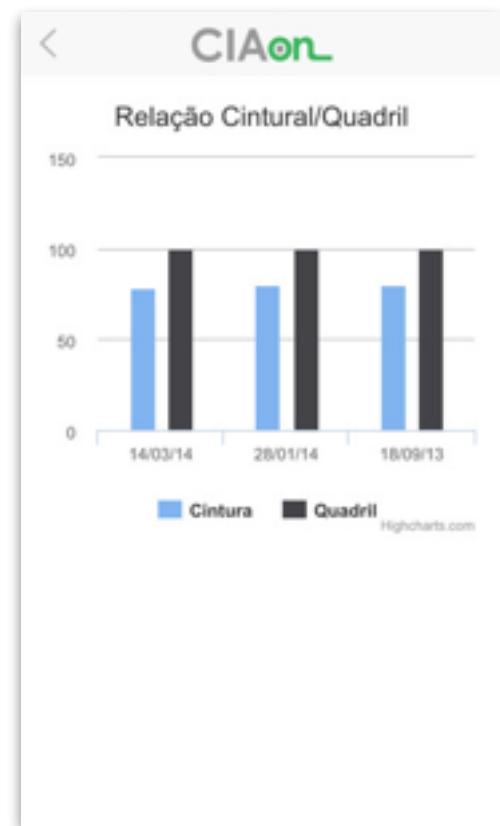
MUSCULACAO 19 DE 24 SESSÕES

ÚLTIMO TREINO: 29/01/15    ÚLTIMA SESSÃO: U

- Aquecimento Local, Correr
- Remada (Com Apoio)
- Agachamento
- Supino (Reto)
- Extensão Dos Joelhos
- Agachamento (Sumo Squat)

00:00:06

HORÁRIOS    TREINOS    RESULTADOS



# Pré-requisitos

Mac OS X 10.9.4 (Mavericks) ou superior

Windows 7 ou superior (Windows Phone necessita da versão 8.X)

Ubuntu Linux 12.04 LTS

iOS SDK

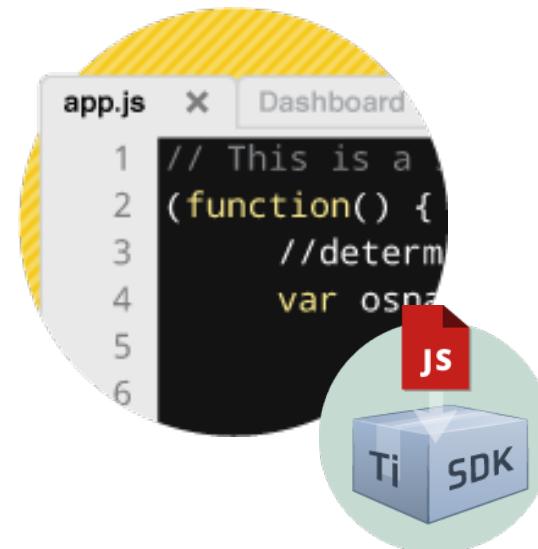
Android SDK

Windows Phone 8 SDK

# Appcelerator Studio e SDKs

Appcelerator Studio é uma IDE baseada no eclipse que interage com vários scripts contidos no Titanium SDK

Os scripts interagem com as ferramentas nativas de cada plataforma



# Open Mobile Marketplace

[http://marketplace.appcelerator.com](https://marketplace.appcelerator.com/home)

The screenshot shows the homepage of the Open Mobile Marketplace. On the left, there's a sidebar with navigation links: Home, All Products, APP LIFECYCLE PHASE (Build, Connect, Test, Manage, Analyze), and CATEGORIES (Analytics, Cloud Storage, Commerce, Communication, Gaming, Graphics, Location, Media). The main content area features a large product card for the "Beacons Module". The card includes an illustration of two smartphones interacting with a blue circular beacon signal, and the "logicalabs" logo. The product title is "Beacons Module" and the subtitle is "Beacon Communications Module for iOS & Android". It has a 5-star rating. Below the card is a "Start a Free Trial" button. At the bottom of the page, there's a section titled "Newest Products" with cards for "AdMob for Android", "Count.ly iOS Analytics", "Immersive view", and "Scrolling Tabs". Each card shows a thumbnail, the product name, a brief description, and a price.

Eric

Products Developers Resources Partners Customers Company Contact SIGN IN +

Search Marketplace

Home

All Products

APP LIFECYCLE PHASE

Build

Connect

Test

Manage

Analyze

CATEGORIES

Newest Products

See All Newest Products

AdMob for Android

AdMob smart banner  
Interstitial mediation

\$5.00

Count.ly iOS Analytics

Analytics, Events, User Profiles, Messaging

Free

Immersive view

module for creating immersive (full screen)...

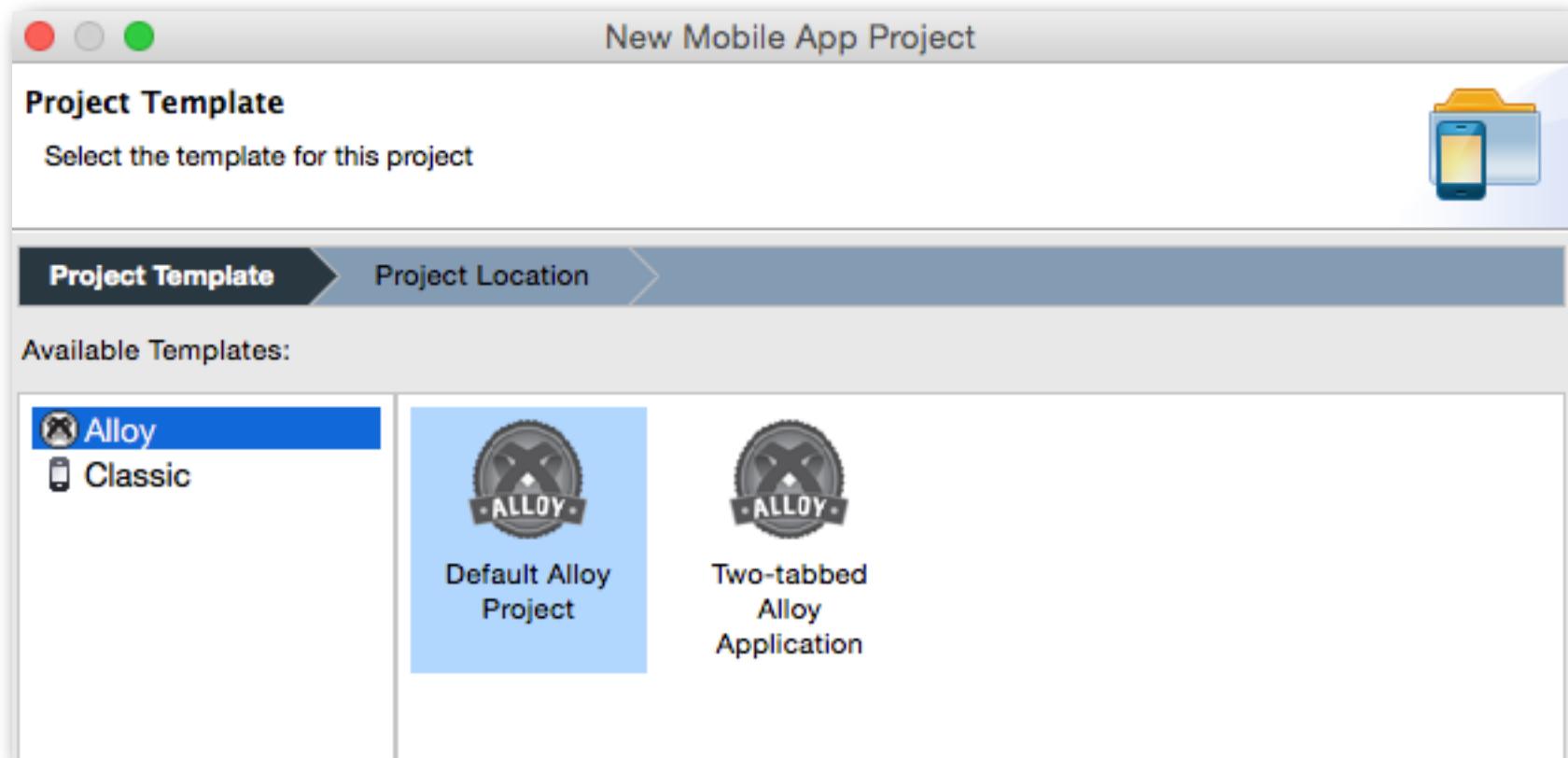
Free

Scrolling Tabs

Fully customizable ui widget

\$10.00

# Tipos de Projeto



# Titanium Classic

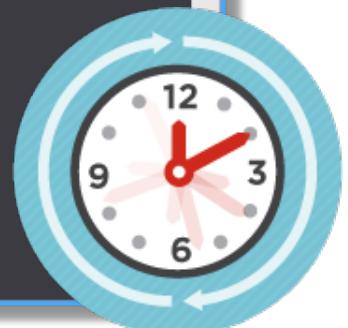


- Interface definida via código
- CommonJS Modules

# Classic

```
1 // create tab group
2 var tabGroup = Titanium.UI.createTabGroup();
3
4 // create base UI tab and root window
5 var win1 = Titanium.UI.createWindow({
6     title:'Tab 1',
7     backgroundColor:'#fff'
8 });
9 var tab1 = Titanium.UI.createTab({
10    icon:'KS_nav_views.png',
11    title:'Tab 1',
12    window:win1
13 });
14 var label1 = Titanium.UI.createLabel({
15     color:'#999',
16     text:'I am Window 1',
17     font: {
18         fontSize:20,
19         fontFamily:'Helvetica Neue'
20     },
21     textAlign:'center',
22     width:'auto'
23 });
24 win1.add(label1);
25
26 // create controls tab and root window
27 var win2 = Titanium.UI.createWindow({
```

```
28     title:'Tab 2',
29     backgroundColor:'#fff'
30 });
31 var tab2 = Titanium.UI.createTab({
32     icon:'KS_nav_ui.png',
33     title:'Tab 2',
34     window:win2
35 });
36 var label2 = Titanium.UI.createLabel({
37     color:'#999',
38     text:'I am Window 2',
39     font: {
40         fontSize:20,
41         fontFamily:'Helvetica Neue'
42     },
43     textAlign:'center',
44     width:'auto'
45 });
46 win2.add(label2);
47
48 // add tabs
49 tabGroup.addTab(tab1);
50 tabGroup.addTab(tab2);
51
52 // open tab group
53 tabGroup.open();
```



Executando código específico para uma  
**plataforma**  
(CLASSIC)

```
if (Ti.Platform.osname == "android") {  
    ...  
} else {  
    ...  
}
```

[android, iphone, ipad, mobileweb, windows]

# Titanium Alloy



- ▶ UI declarativa (XML)
- ▶ Framework MVC
- ▶ Widgets
- ▶ Themes



BACKBONE.JS

underscore.js

# Alloy App

```
<Alloy>
  <TabGroup>
    <Tab title="Tab 1" icon="/KS_nav_ui.png">
      <Window title="Tab 1">
        <Label>I am Window 1</Label>
      </Window>
    </Tab>
    <Tab title="Tab 2" icon="/KS_nav_views.png">
      <Window title="Tab 2">
        <Label>I am Window 2</Label>
      </Window>
    </Tab>
  </TabGroup>
</Alloy>
```

index.xml

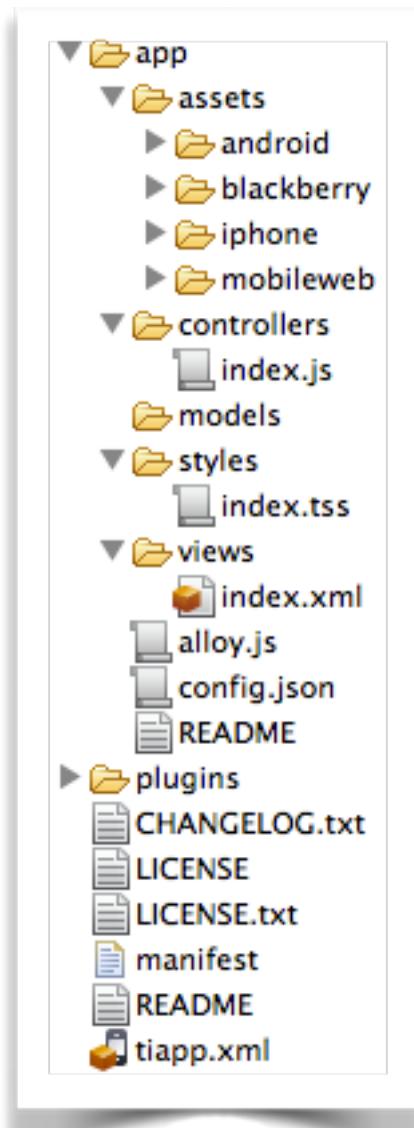
```
"Window": {
  backgroundColor: "#fff"
},
"Label": {
  width: Ti.UI.SIZE,
  height: Ti.UI.SIZE,
  color: "#000",
  font: {
    fontSize: 20,
    fontFamily: 'Helvetica Neue'
  },
  textAlign: 'center'
}
```

index.tss

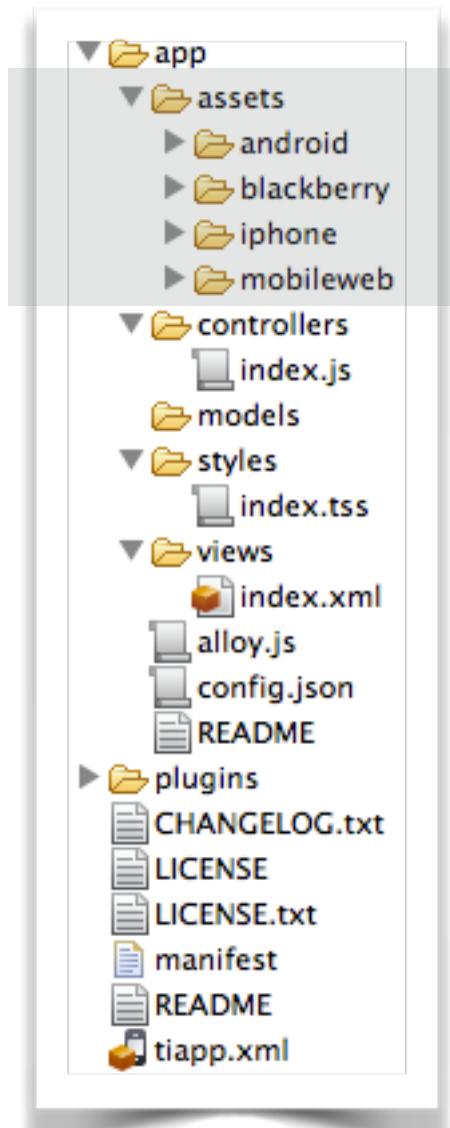
```
$.index.open();
```

index.js

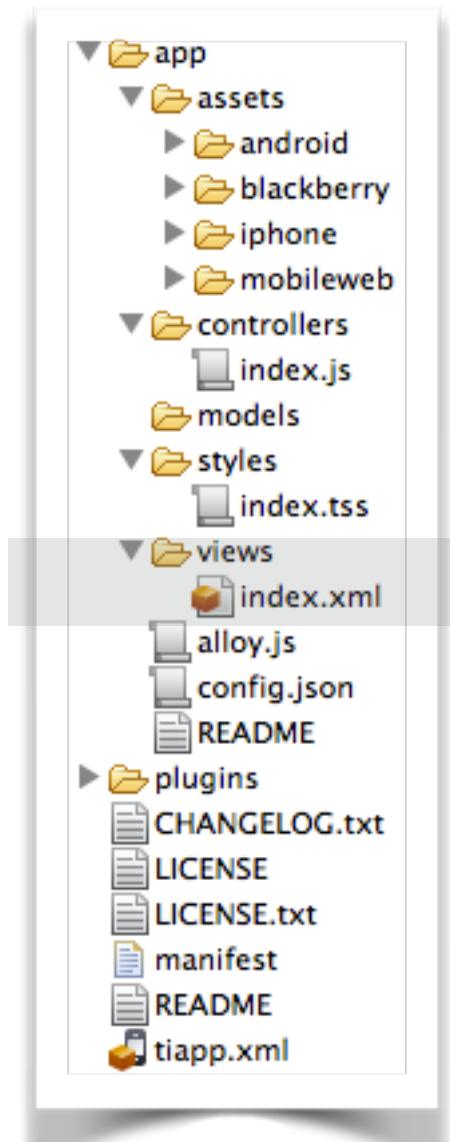
# Estrutura do Projeto



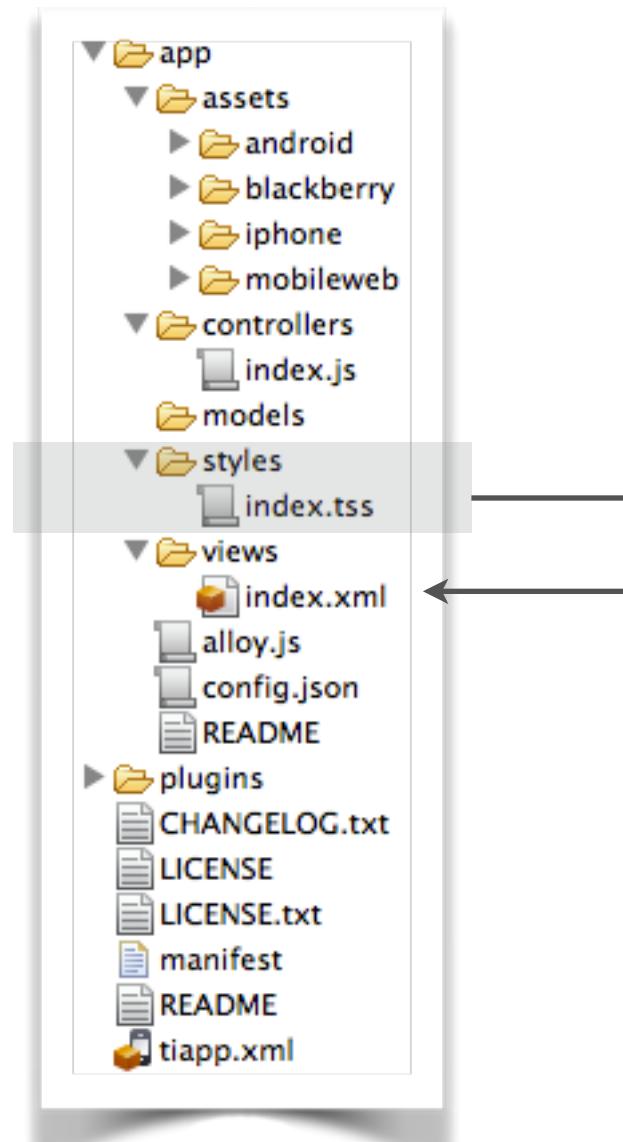
# Estrutura do Projeto



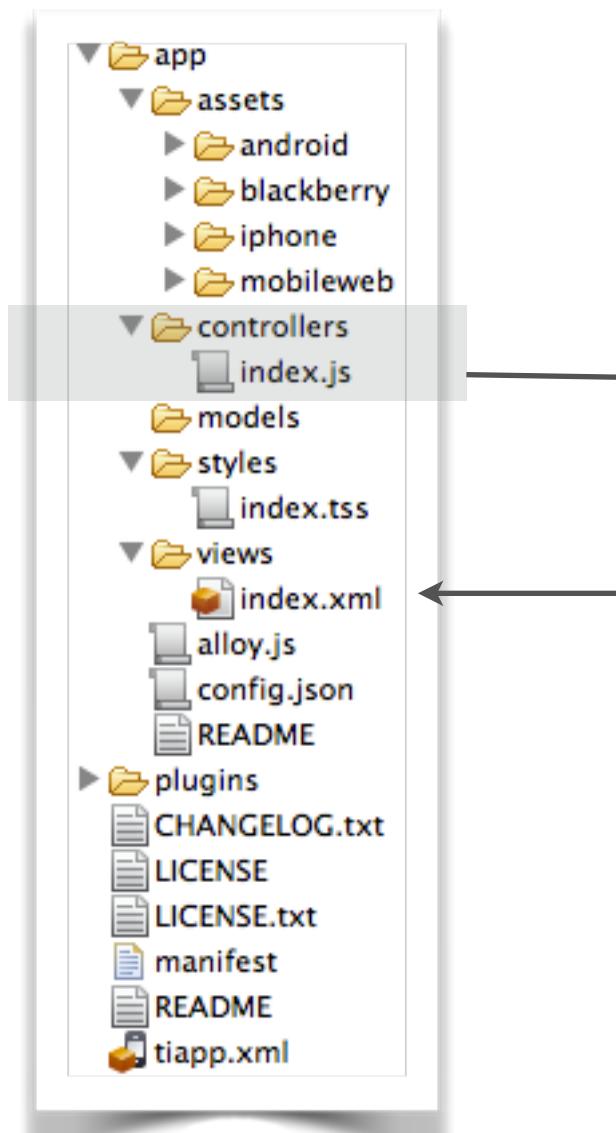
# Estrutura do Projeto



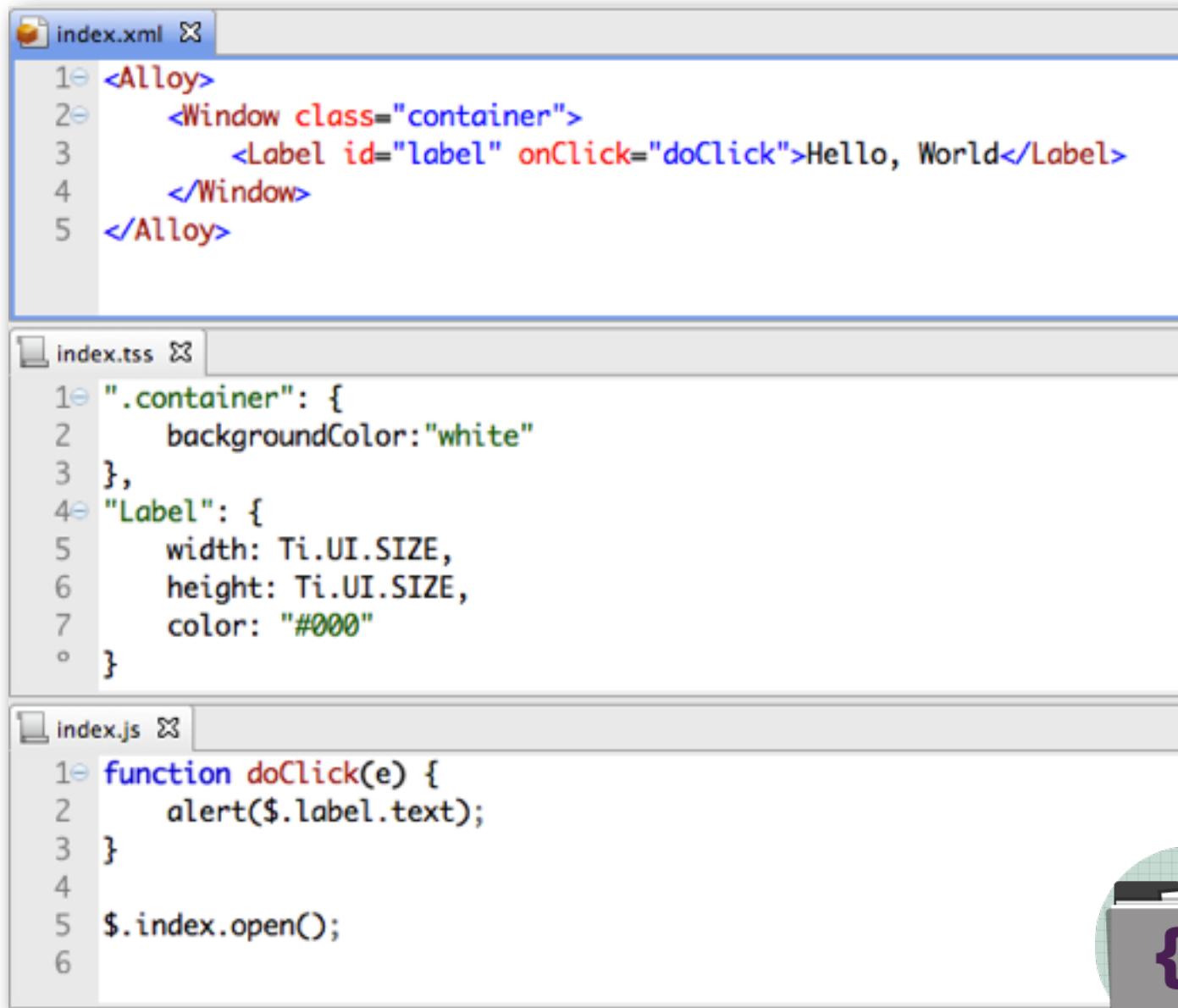
# Estrutura do Projeto



# Estrutura do Projeto



# Alloy



```
index.xml
1<Alloy>
2  <Window class="container">
3    <Label id="label" onClick="doClick">Hello, World</Label>
4  </Window>
5 </Alloy>
```

```
index.tss
1 ".container": {
2   backgroundColor:"white"
3 },
4 "Label": {
5   width: Ti.UI.SIZE,
6   height: Ti.UI.SIZE,
7   color: "#000"
8 }
```

```
index.js
1 function doClick(e) {
2   alert($.label.text);
3 }
4
5 $.index.open();
```

Executando código específico para uma  
**plataforma**  
(ALLOY)

```
if (OS_ANDROID) {  
    ...  
} else {  
    ...  
}
```

[OS\_IOS, OS\_ANDROID, OS\_MOBILEWEB, ENV\_DEV, ENV\_TEST, ENV\_PRODUCTION]

UI específico para uma  
**plataforma**  
(ALLOY)

```
<Alloy>
  <Window>
    <View ns="Ti.Map" id="mapview">
      <Annotation title="Cupertino" platform='ios' formFactor='tablet'
latitude='37.3231' longitude='-122.0311'/>
      <Annotation title="Redwood City" platform='ios' formFactor='handheld'
latitude='37.4853' longitude='-122.2353'/>
      <Annotation title="Mountain View" platform='android' latitude='37.3861'
longitude='-122.0828'/>
      <Annotation title="Palo Alto" platform='android,ios,mobileweb'
latitude='37.4419' longitude='-122.1419'/>
      <Annotation title="San Francisco" platform='mobileweb' latitude='37.7750'
longitude='-122.4183'/>
    </View>
  </Window>
</Alloy>
```

UI específico para uma  
**plataforma**  
(ALLOY)

```
<Alloy>
  <Window>
    <View ns="Ti.Map" id="mapview">
      <Annotation title="Cupertino" platform='ios' formFactor='tablet'
latitude='37.3231' longitude='-122.0311'/>
      <Annotation title="Redwood City" platform='ios' formFactor='handheld'
latitude='37.4853' longitude='-122.2353'/>
      <Annotation title="Mountain View" platform='android' latitude='37.3861'
longitude='-122.0828'/>
      <Annotation title="Palo Alto" platform='android,ios,mobileweb'
latitude='37.4419' longitude='-122.1419'/>
      <Annotation title="San Francisco" platform='mobileweb' latitude='37.7750'
longitude='-122.4183'/>
    </View>
  </Window>
</Alloy>
```

[android, ios, mobileweb, windows]

[tablet, handheld]

# ALLOY TSS

## Platform-Specific styles

```
// iPhone
"Label[platform=ios formFactor=handheld)": {
    backgroundColor: "#f00",
    text: 'iPhone'
},
// iPad and iPad mini
"Label[platform=ios formFactor=tablet)": {
    backgroundColor: "#0f0",
    text: 'iPad'
},
// Android handheld and tablet devices
"Label[platform=android)": {
    backgroundColor: "#00f",
    text: 'Android'
},
// Any Mobile Web platform
"Label[platform=mobileweb)": {
    backgroundColor: "#f0f",
    text: 'Mobile Web'
}
```

# Alloy Temas

- app
  - assets
    - appicon.png
    - background.png
  - controllers
  - styles
    - index.tss
    - window.tss
  - themes
    - mytheme
      - assets
        - background.png
      - styles
        - app.tss
  - views
    - index.xml
    - window.xml

# Backbone

## no alloy

### Models

Mantém o controle  
dos seus dados

### Collections

Gerencia listas/  
array desses seus  
dados

### Sync/Adapters

SQLite, Properties,  
REST, ACS,  
CouchDB...

# Alloy Models

```
exports.definition = {
  config: {
    "columns": {
      "title": "String",
      "author": "String"
    },
    "adapter": {
      "type": "sql",
      "collection_name": "books"
    }
  },
  extendModel: function(Model) {
    _.extend(Model.prototype, {
      // extended override or implement Backbone.Model
    });
    return Model;
  },
  extendCollection: function(Collection) {
    _.extend(Collection.prototype, {
      // extended override or implement Backbone.Collection
    });
    return Collection;
  }
}
```

# Instanciando o Model

```
var book = Alloy.createModel('book',
    {title:'A Game of Thrones', author:'George R.R. Martins'});
book.save();
```

# Instanciando a Collection

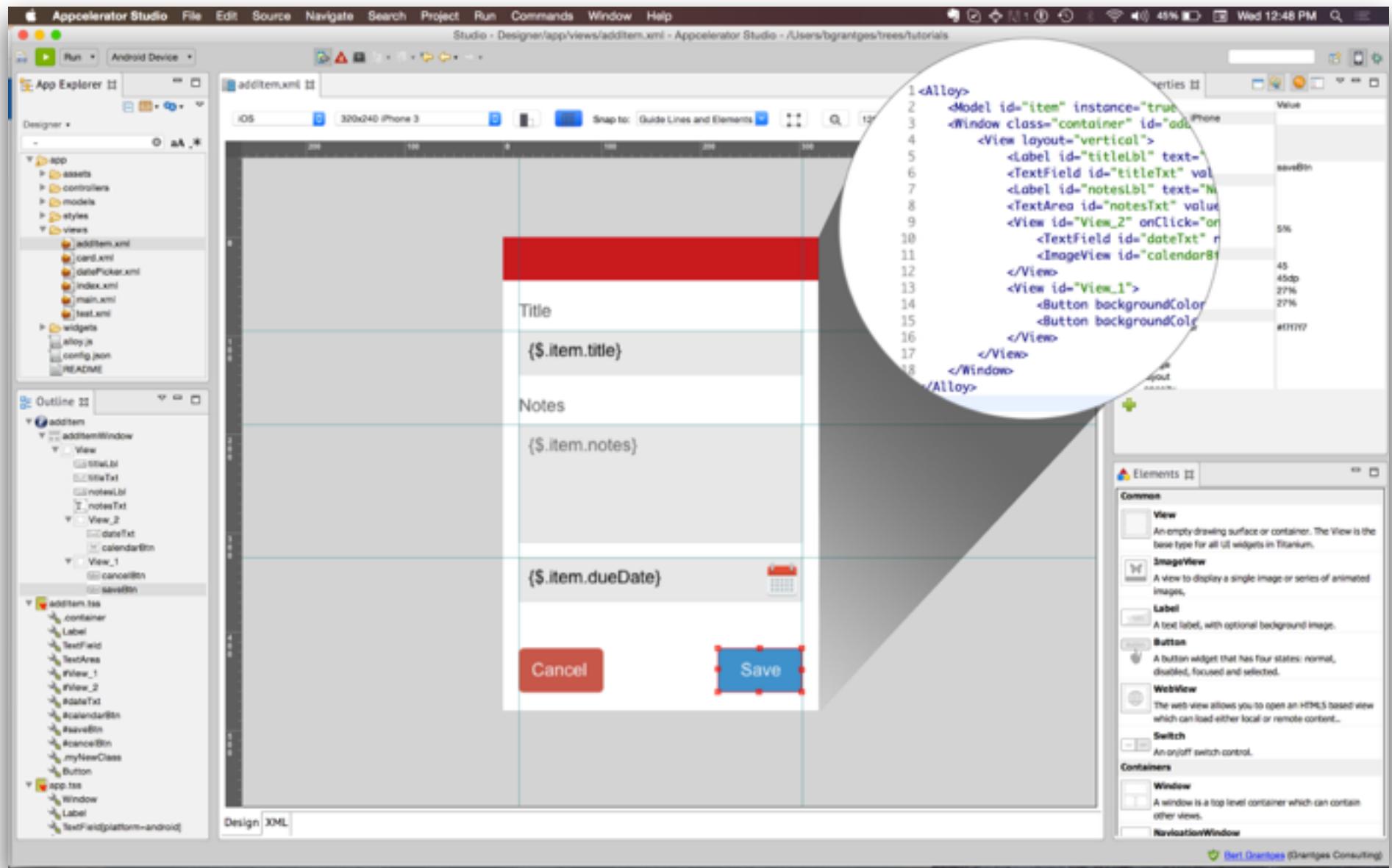
```
var library = Alloy.createCollection('book');
library.fetch(); // Grab data from persistent storage
```

# Alloy Widgets



# Demo

# App Designer (beta)



Quero saber mais?

# tidev

TIDev - Your resource for A X

Eric

www.tidev.io

#tiDev Categories Roundups Sources Resources DevMap Contact Search

# tIDev

Mining the Best Appcelerator Titanium Resources

Featured Video: Optimize Your Code with the Appcelerator Studio Profiler

Need help navigating Appcelerator's mobile capabilities? We're here to make sure you get the most out of Titanium, Arrow and the Platform. That's why we're continually expanding the new [...]

Appcelerator

July 10th, 2015 15:30

[www.tidev.io/2015/07/08/how-to-migrate-from-node-acs-to-sails-js/](http://www.tidev.io/2015/07/08/how-to-migrate-from-node-acs-to-sails-js/)

How to migrate from Node.ACS to Sails.js

Manuel Conde wrote a very nice piece about migrating from Node.ACS to Sails.js. As Node.ACS will See the post here.

Appcelerator

July 8th, 2015 15:30

Appcelerator Arrow: Server Processing Example for Faster Apps

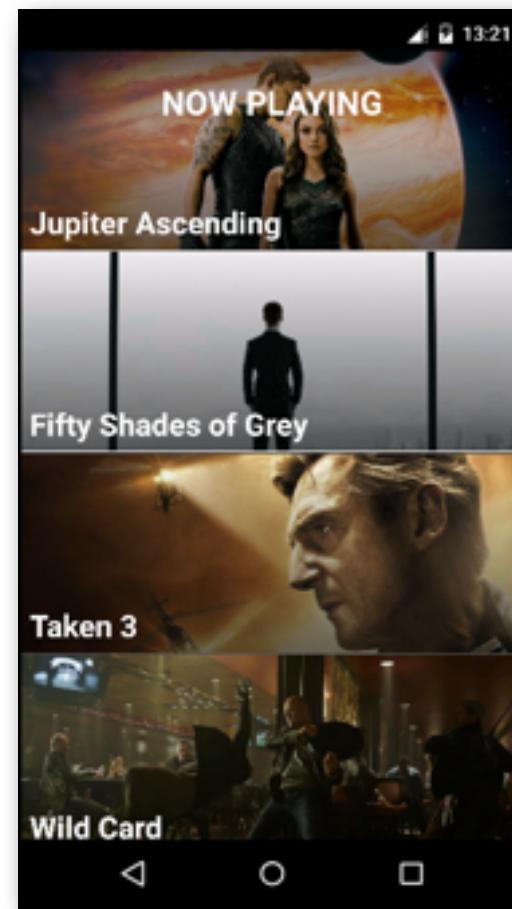
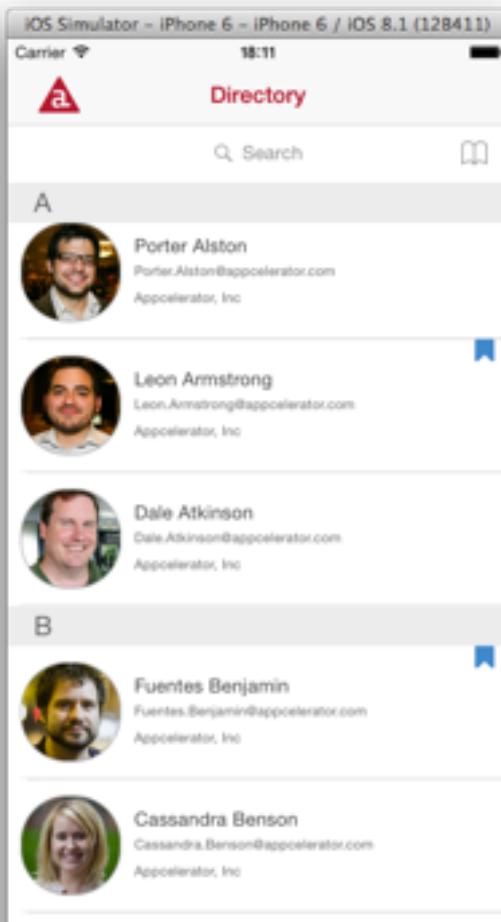
In addition to being able to easily create integrations to backend data sources, Arrow provides several facilitates for moving data manipulation and processing operations from the client app to the [...]

Appcelerator

July 8th, 2015 15:30

<http://www.tidev.io/>

# sample apps



# widgets e modules

The screenshot shows the homepage of the gitTio website. At the top, there is a navigation bar with links: gitTio, @gitNotified, CLI, FAQ, Contributors, Contact, and Stat(u)s. Below the navigation bar, the title "gitTio!" is displayed in large white font on a teal background. A subtitle "Search & Install all 677 Titanium Modules and 193 Alloy Widgets on GitHub" follows. A search bar with the placeholder "What do you need?" and a green search button are present. The main content area is divided into two sections: "New modules" and "New widgets".

### New modules

	TiMessage	1.0	Mar 28
	packagemanager	1.0	Mar 27
	InstallReferrer	1	Mar 27
	androidimodule	1.1.3	Mar 26
	DtectorGeoFencing	0.1	Mar 26

### New widgets

	grid View	0.1	Mar 21
	NappDrawer Widget	1.0.1	Mar 17
	header	1.0	Mar 8
	ti-stl-viewer	0.0.1	Mar 3
	FormattedViewRow	1.0	Mar 3

<http://gitt.io/>

# Titanium documentation

<http://docs.appcelerator.com>

The screenshot shows a web browser window displaying the Appcelerator Titanium Mobile documentation at [docs.appcelerator.com/titanium/2.1/index.html#](http://docs.appcelerator.com/titanium/2.1/index.html#). The page has a red header with the Appcelerator logo and a search bar labeled "Find API". Below the header, there's a section titled "Titanium SDK & Titanium Studio" which describes the mobile SDK and studio. To the right of this text is a collage of four mobile devices (two phones and two tablets) showing various app interfaces. At the bottom of the page, there are sections for "What's New", "Get Started", and "Appcelerator Cloud Services", along with footer links for platform, cloud services, marketplace, think mobile, get help, partners, company, developers, privacy policy, and legal information.

**Titanium SDK & Titanium Studio**

The Titanium Mobile SDK lets you develop native, hybrid and mobile web applications from a single codebase.

Titanium Studio is an extensible, Eclipse-based IDE for building Titanium Mobile applications and web applications.

**What's New**

Titanium Mobile SDK 2.1.0 and Titanium Studio 2.1.0 released!

- Titanium Mobile SDK 2.1.0 Release

**Get Started**

- Get Up to Speed with the Quick Start Guide
- Download Titanium Studio & the Titanium Mobile SDK

**Appcelerator Cloud Services**

Appcelerator Cloud Services provide a wide array of automatically scaled network features and data objects for your app.

platform | cloud services | marketplace | think mobile | get help | partners | company | developers  
Privacy Policy | Legal Information © 2008–2012 Appcelerator Inc. All rights reserved. Appcelerator is a registered trademark  
We believe in the power of open source. This site is generated using the Simple JavaScript Documentation generator — JS-Duck

# University

<https://university.appcelerator.com/>

The screenshot shows a web browser window for 'Appcelerator University'. The title bar says 'Appcelerator University' and the address bar shows the URL 'https://university.appcelerator.com/'. The page has a red header with the 'a' logo, the word 'University', and buttons for 'Get started for FREE!' and 'Sign In'. A large video player in the center displays a group of people in a meeting room, with a play button overlay. Below the video, the text reads 'Getting Started with Appcelerator' and 'A brief introduction to the platform, Titanium, and amazing cross-platform application development'. Below the video player, there's a section titled 'Featured Videos' with five thumbnail images. From left to right, the thumbnails are: 'Salesforce in Minutes: Part 2, Composite Model', 'Salesforce in Minutes: Part 1, Creating a Model', 'Appcelerator Platform 4.0 Announcement', 'Alloy Concepts', and 'Introduction to Alloy'. Each thumbnail has a play button icon. Navigation arrows are located at the bottom of the video player section.

Eric

University

Get started for FREE!

Sign In

Getting Started with Appcelerator

A brief introduction to the platform, Titanium, and amazing cross-platform application development

Featured Videos

< >

Salesforce in Minutes: Part 2, Composite Model

Salesforce in Minutes: Part 1, Creating a Model

Appcelerator Platform 4.0 Announcement

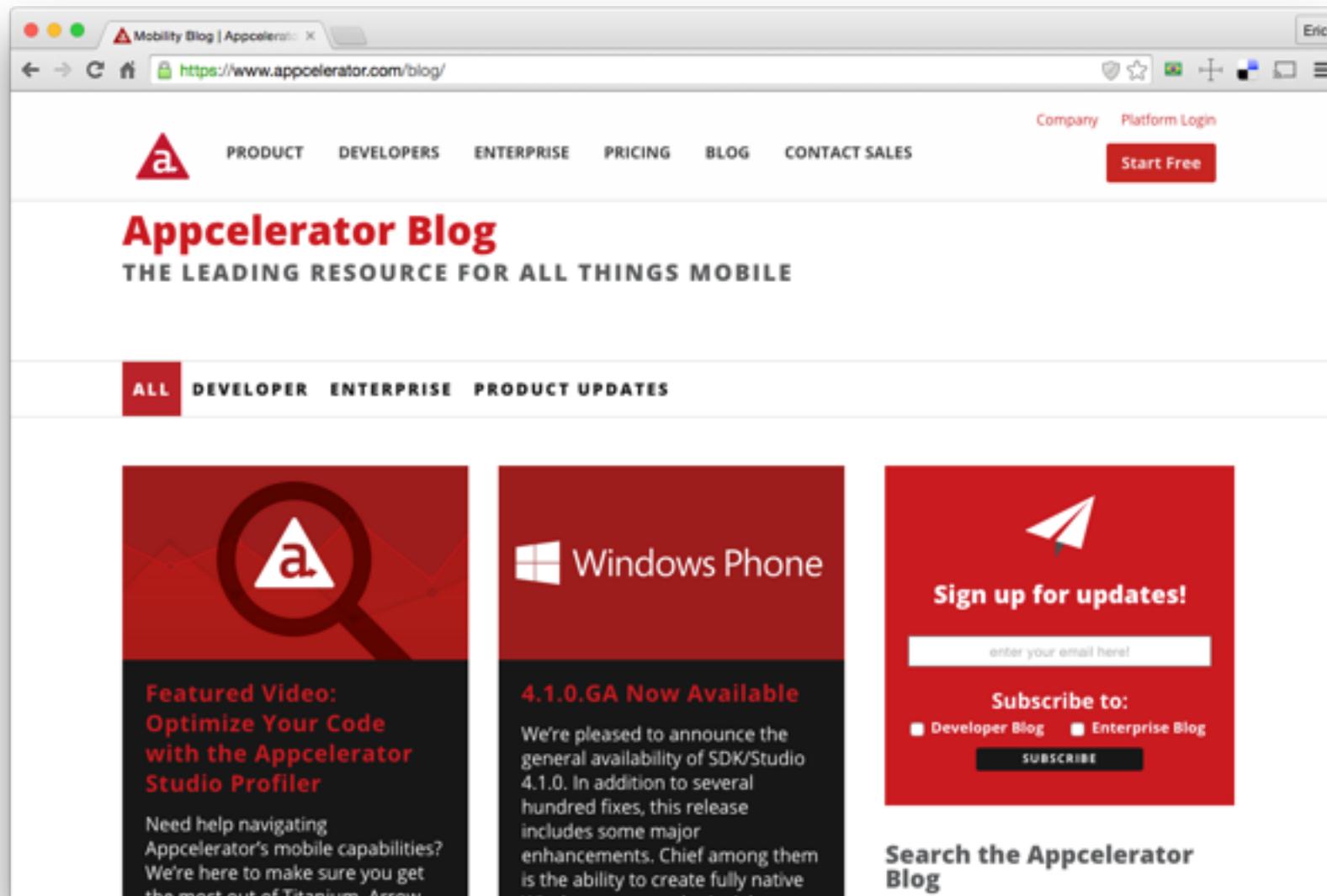
Alloy Concepts

Introduction to Alloy

4.0.4 © 2015 Request a Video

# Appcelerator blog

<https://www.appcelerator.com/blog/>



The screenshot shows a web browser displaying the Appcelerator Blog at <https://www.appcelerator.com/blog/>. The page has a white header with a red 'a' logo, navigation links for Product, Developers, Enterprise, Pricing, Blog, and Contact Sales, and a 'Start Free' button. Below the header, the title 'Appcelerator Blog' and subtitle 'THE LEADING RESOURCE FOR ALL THINGS MOBILE' are displayed. A navigation bar below the title includes 'ALL', 'DEVELOPER', 'ENTERPRISE', and 'PRODUCT UPDATES'. Three main content blocks are visible: one featuring a video about optimizing code with the Appcelerator Studio Profiler; another for Windows Phone 4.1.0.GA; and a third for sign-up updates with a paper airplane icon.

Mobility Blog | Appcelerator

Eric

https://www.appcelerator.com/blog/

Company Platform Login

Start Free

## Appcelerator Blog

THE LEADING RESOURCE FOR ALL THINGS MOBILE

ALL DEVELOPER ENTERPRISE PRODUCT UPDATES

Featured Video:  
Optimize Your Code  
with the Appcelerator  
Studio Profiler

Need help navigating  
Appcelerator's mobile capabilities?  
We're here to make sure you get  
the most out of Titanium. Arrow

Windows Phone

4.1.0.GA Now Available

We're pleased to announce the general availability of SDK/Studio 4.1.0. In addition to several hundred fixes, this release includes some major enhancements. Chief among them is the ability to create fully native

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Developer Blog Enterprise Blog

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# Community Questions & Answers

<https://community.appcelerator.com/>

The screenshot shows the homepage of the Appcelerator Community Q&A website. At the top, there's a red navigation bar with the title "Community Q&A". Below the bar, there are several topic categories represented by icons and numbers:

- Announcements**: 11 posts. Description: Announcements regarding the Appcelerator community.
- University**: 65 posts. Description: How To's and Appcelerator University Videos.
- Getting Started Q&A**: 254 posts. Description: Community support for getting from zero to your first app.
- Mobile Apps Q&A**: 563 posts. Description: Community support for developing apps.
- Arrow Q&A**: 120 posts. Description: Community support for using Arrow.
- Off-Topic**: 50 posts. Description: A place to talk about whateeeeever you want.

At the bottom, there are sections for "Recent Topics" and "Popular Topics".

**Recent Topics**

- 4.1.0.GA Now Available (2 days ago)

**Popular Topics**

- Getting remote images (about 21 hours ago)

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**CODE STRONG!**

Obrigado!