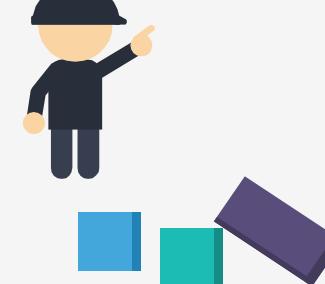


Uvod u izradu hibridnih mobilnih aplikacija Ionic frameworkom

Brežnjak Nikola

univ.mag.ing.comp
C TIM d.o.o.



Anketa ???

Let me get to know you first



Web development



AngularJS



Smartson



Vlastita aplikacija

Agenda Predavanja

Ilitiga, o čemu ćemo govoriti

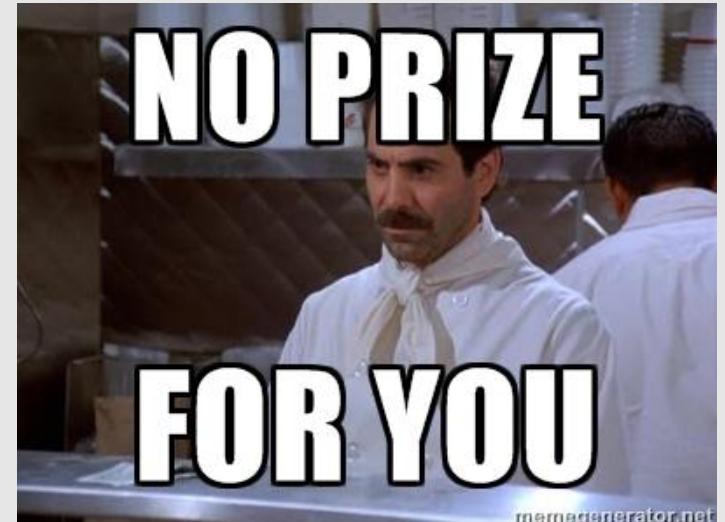
Osnovni pojmovi

Kako, što, zašto

Ionic framework



Izrada demo aplikacije



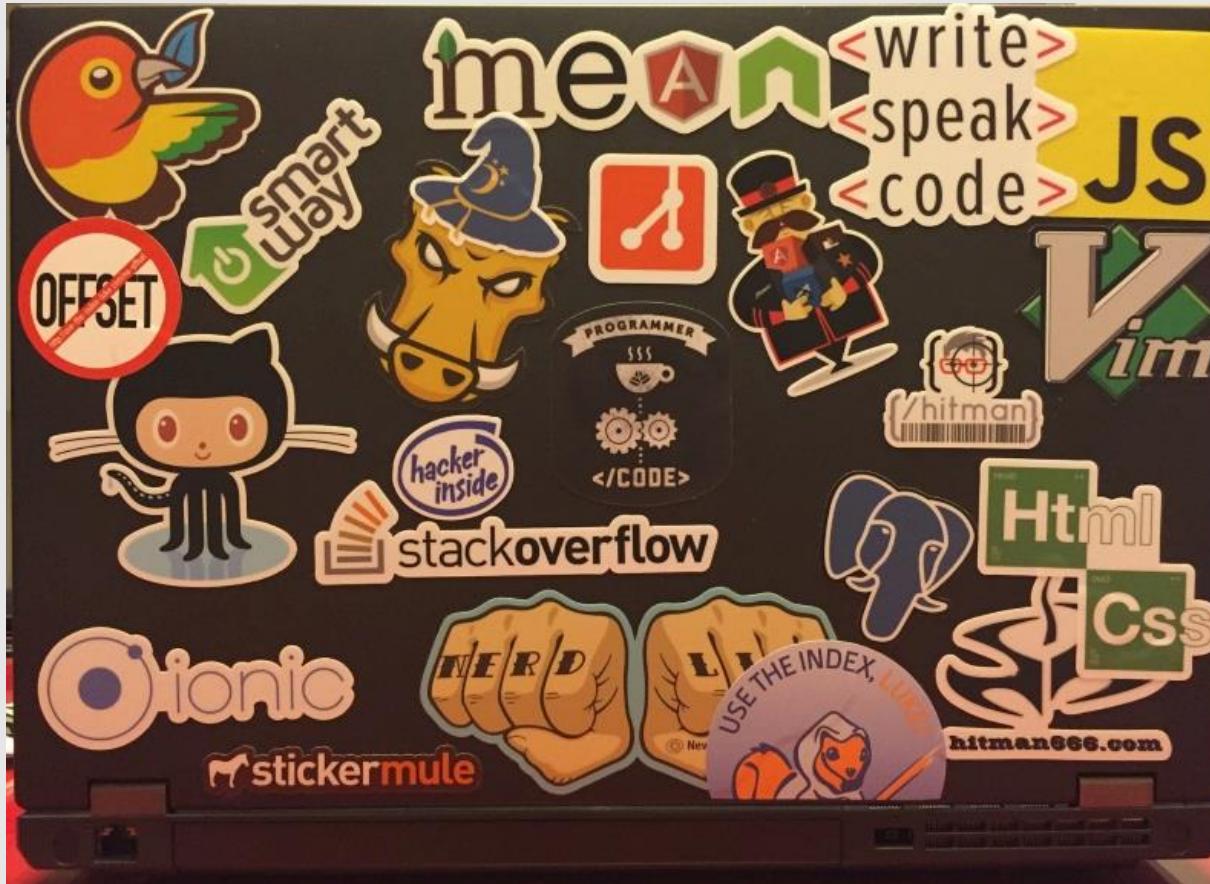
C TIM d.o.o

SW za kladionice



Questions FTW!

„Neki ljudi ugrađuju jače motore u aute, a neki stavljaju ALU felge i naljepnice“ 😊



Who are you, again?



Pluralsight tutorials

Aarently my writing is not that bad after all

How to get started with Ionic framework on Windows and Mac



How to create a calculator application with Ionic framework by using Ionic Creator for UI



How to polish, create icons and splash screen images, add ads, share and test our calculator application

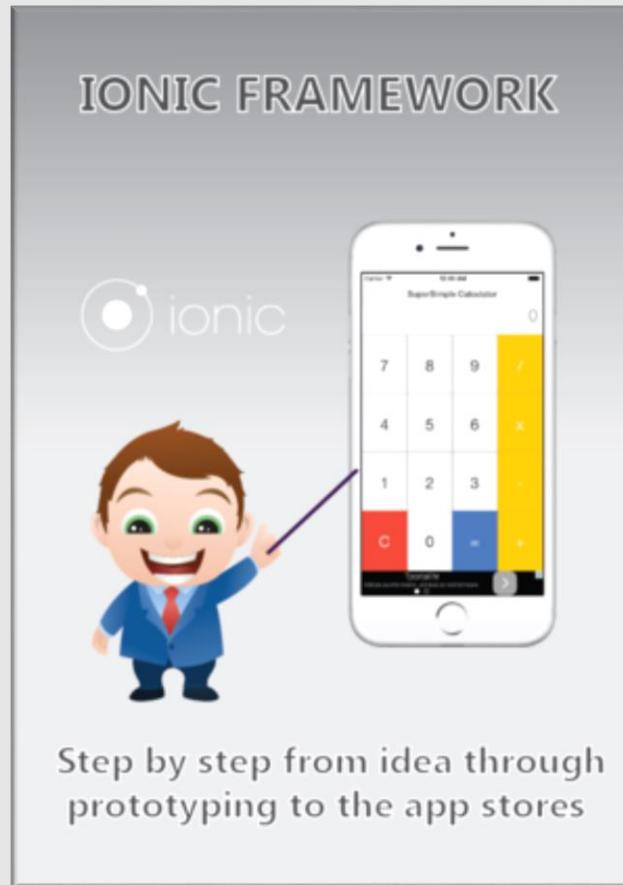


How to publish our calculator application to the Apple's App Store and Google's Play Store



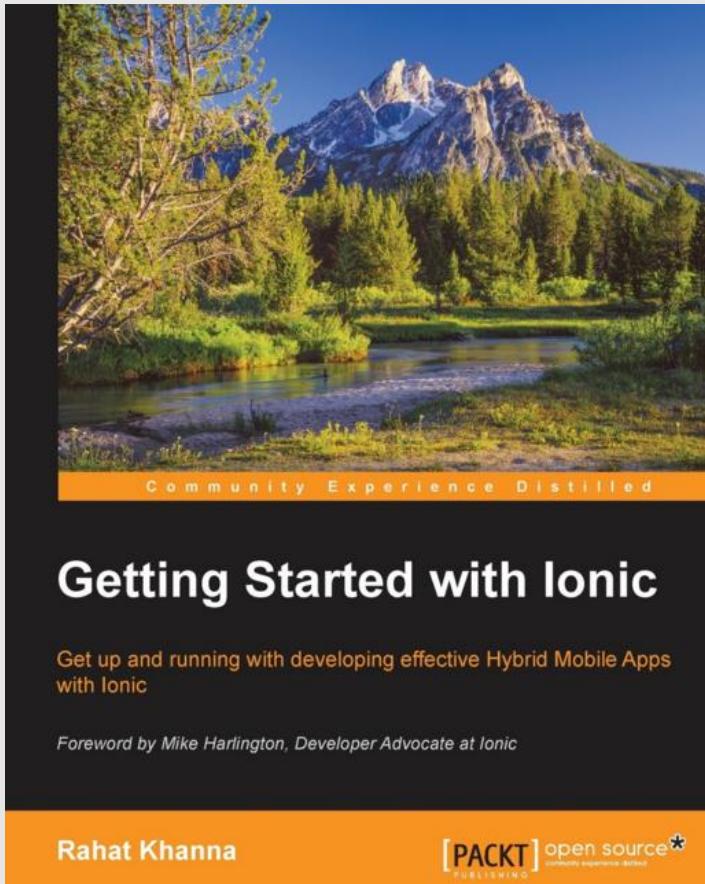
Blog2Book, via Leanpub

Look ma, I wrote a book: <https://leanpub.com/ionic-framework>



Getting started with Ionic

Technical editor for a book:



I'm a full StackOverflow developer

Sometimes I ask, a lot of times I answer

The screenshot shows the Stack Overflow 'Tag Info' page for the 'ionic-framework' tag. At the top, there's a navigation bar with the Stack Exchange logo, a search icon, a chart icon, and a user profile with 6,067 reputation, 11 gold badges, 50 silver badges, 108 bronze badges, and 24 posts. Below the header, the Stack Overflow logo is displayed, followed by a 'Questions' button.

The main section is titled 'Tag Info' and shows the following data:

| Time Period | Count | Percentage Unanswered |
|--------------|-------|-----------------------|
| Last 7 Days | 211 | 63% unanswered |
| Last 30 Days | 990 | 66.8% unanswered |
| All Time | 8,328 | 49.5% unanswered |

Below this, there are two tabs: 'Top' and 'Answerers'. The 'Top' tab is selected, showing a comparison between 'Last 30 Days' and 'All Time' for the top users:

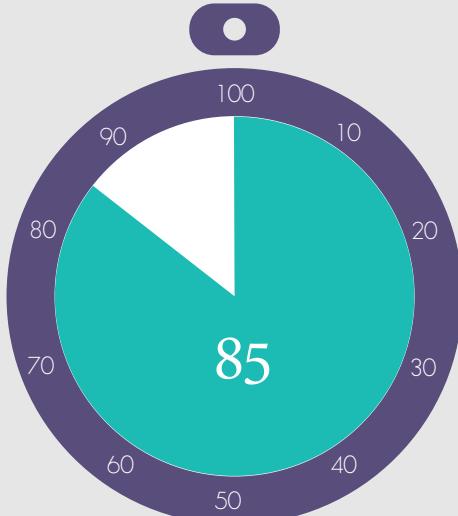
| Time Period | User ID | User Name | Reputation | Answers | Posts |
|--------------|---------|---------------|------------|---------|-----------|
| Last 30 Days | 23 | Pankaj Parkar | 48k | 14 | 6 28 69 |
| All Time | 223 | LeftyX | 18.9k | 98 | 15 69 129 |
| Last 30 Days | 12 | Tom | 136 | 9 | 6 |
| All Time | 183 | Jeremy Wilken | 2,449 | 58 | 5 12 |
| Last 30 Days | 11 | 刘文壮 | 181 | 9 | 7 |
| All Time | 129 | Nikola | 6,067 | 95 | 11 50 108 |
| Last 30 Days | 9 | kolli | 383 | 5 | 1 2 14 |
| All Time | 125 | Pankaj Parkar | 48k | 73 | 6 28 69 |

Mobile is everywhere

I love my mobile phone, and so should you



Aplikacije prevladavaju



85% vremena na mobitelima je provedeno u aplikacijama

Full stack developers

Will rule the world



HTML



CSS

SASS, LESS



JavaScript

AngularJS, Ember, React

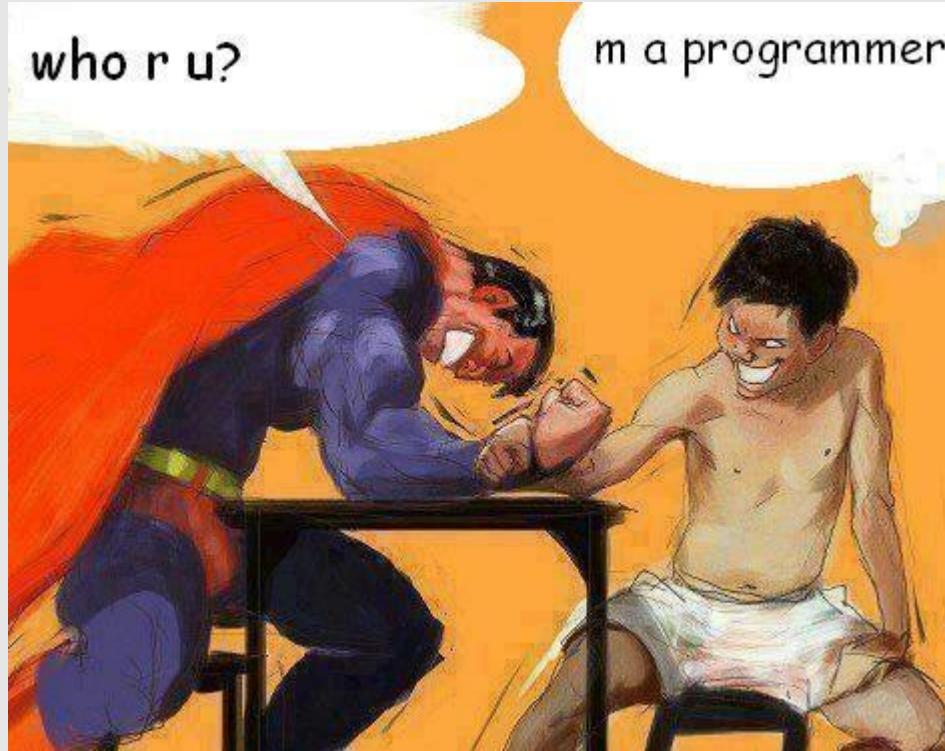


MEAN

MongoDB, Express.js, AngularJS,
Node.js

Full stack Superman

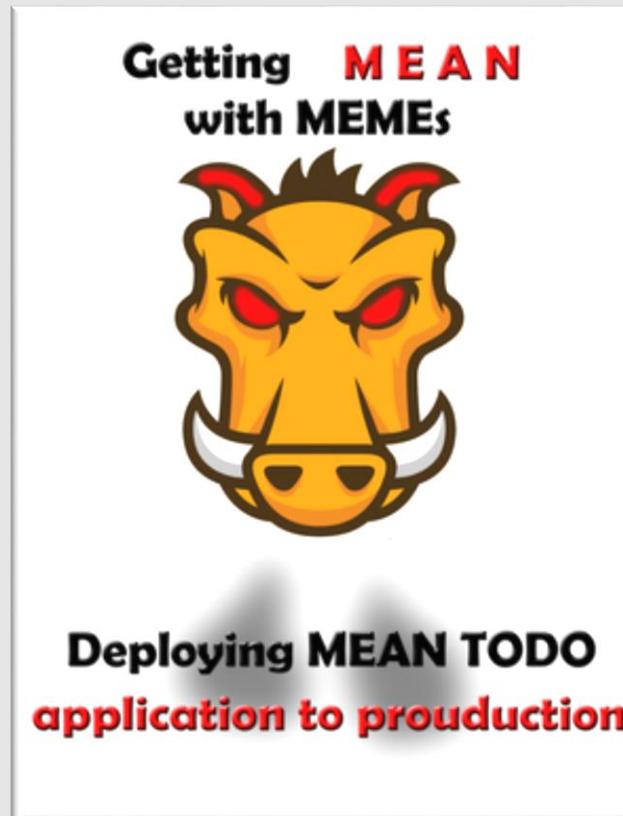
Wait, where's Batman?!

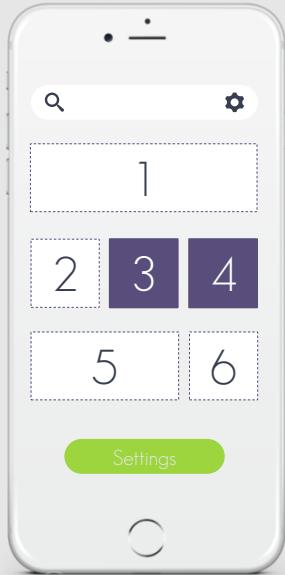


A što je s mobilnim aplikacijama?

Blog2Book, via Leanpub #2

Look ma, I wrote another book: <https://leanpub.com/meantodo>





„Nativne“ aplikacije za iOS i Android

Dvije verzije

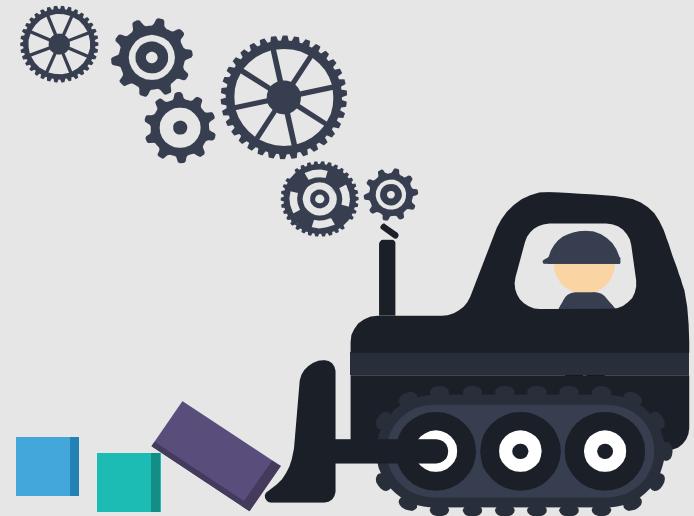
Solo developer?

Velike firme?

Ionic framework, PhoneGap, OnsenUI,...



Želite izraditi mobilnu aplikaciju?



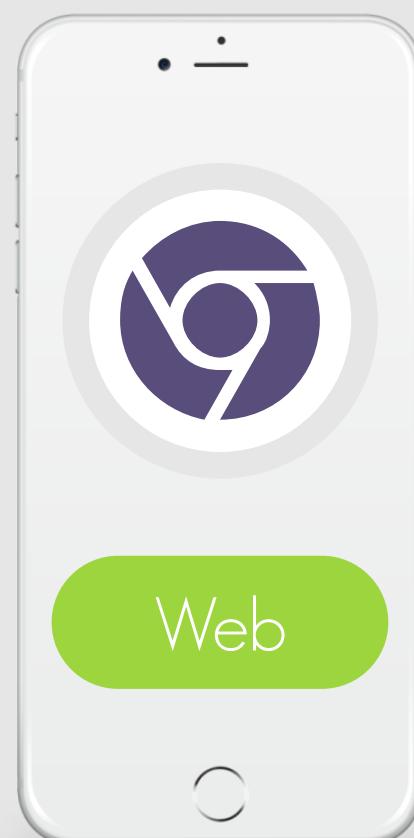
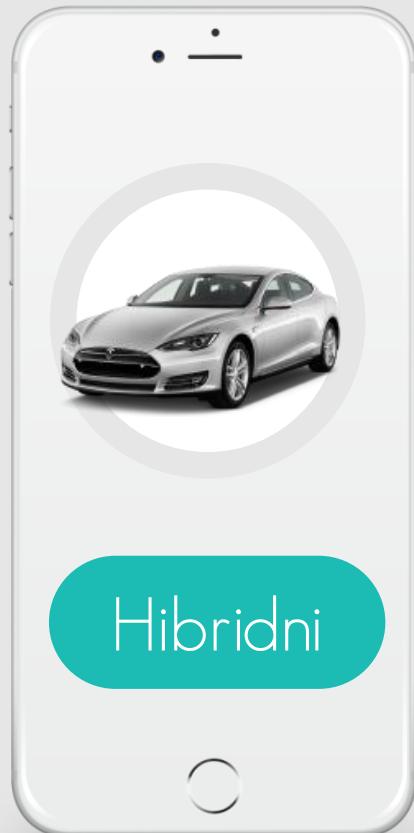
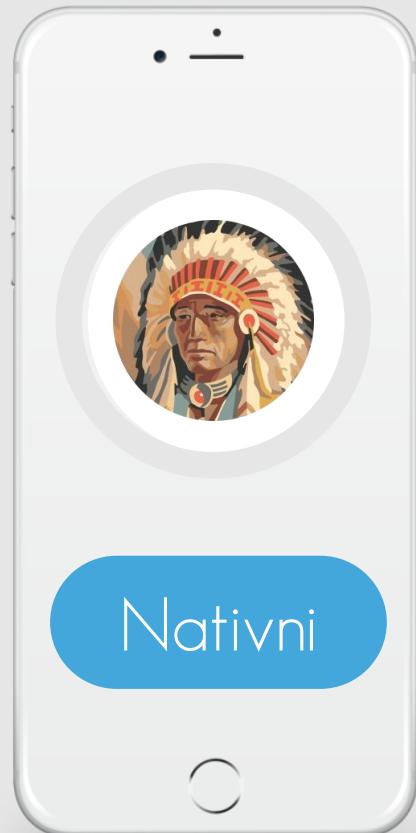
Yes 😊

Cool stroy bro



Načini izrade mobilnih aplikacija

„Valentino i Renato, tako slatka su mi oba, al odabrat neznam koga“ ~ Novi Fosili



Nativne aplikacije

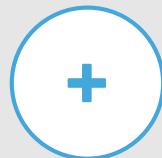
You never go full native 😊

Nativni SDK



iOS: { Mac, X Code, Dev licenca, Swift/Objective C }

Android: { Dev licenca }



Brzina, nativni API pristup



Dvije aplikacije, Cijena izrade



Mobilni web

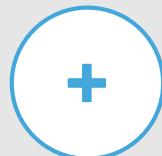
Once upon a time a big player, now a big neeh

„Obična“ web stranica



Koristenje opada, m.domena.com,

responzivni web dizajn, jQuery mobile



Update bilo kad



Opada korisnost, PN, kontakti, kamera



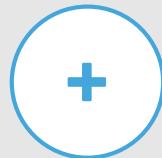
Hibridne aplikacije

A wolf in sheep's clothing



„Obična“ web aplikacija

WebView, Cordova

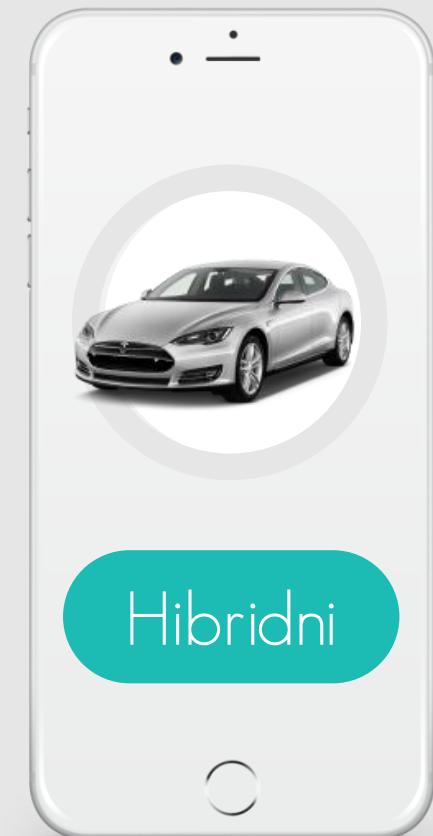


Pristup kontaktima, kamери

Web dev skillset, „izgleda“ native



Brzina WebView-a



Ionic framework

We're awesome, and we're free



Open-source front-end SDK



ionic resources



ionic build android / ios



ionic serve --lab



ionic emulate android / ios



ionic run android / ios

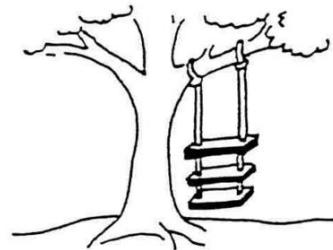


Svaki projekt svaki put

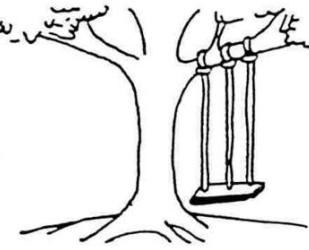
2

I'll just code now and worry about the domain architecture later, OK?

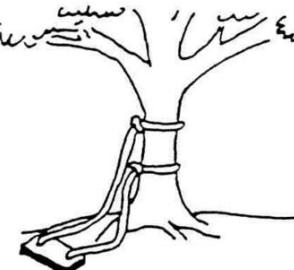
"Problem solving is an art form not fully appreciated by some"



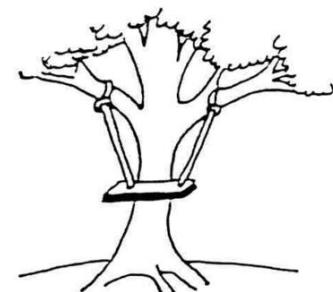
*As proposed by
the project sponsors*



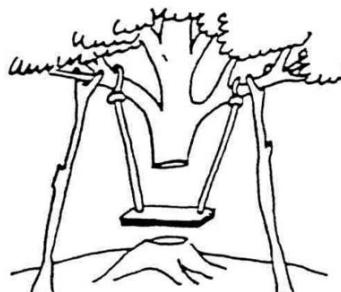
*As specified in
the project request*



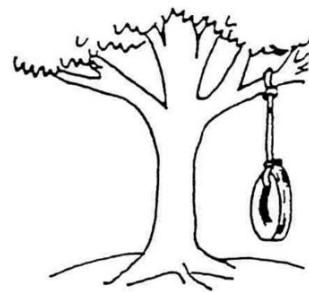
*As designed by
the senior analyst*



*As produced by
the programmers*



*As installed at
the user's site*



*What the user
wanted*

ionic share & Ionic View

2

Hey you, feedback please

The image shows two mobile devices displaying the Ionic View application. On the left, an iPhone displays a list of shared apps under 'MY APPS', including Facebook, Snapcat, Grumblr, and Slappy Bird. On the right, a Samsung Galaxy smartphone displays a similar list under 'My apps', showing Barkpark, Weather tracker, and Snapcat. Both screens show detailed information for each app, such as ID, size, and modification date.

ionicview

Share your apps with the world

Ionic View makes it easy to share your [Ionic](#) and Cordova apps with clients and testers around the world, all without ever going through the App Store.

App Store Google play

BETA

Ionic.io servisi

I like this Ionic thingy even more now



Deploy



Creator



Push



Package



Market



Lab

Apache Cordova & ngCordova

4

So many tools, so little time...



CORDOVA WITH THE POWER OF ANGULARJS

ngCordova is a collection of 70+ AngularJS extensions on top of the Cordova API that make it easy to build, test, and deploy Cordova mobile apps with AngularJS.



Ionic 2 & Angular 2

The force is strong with this one



Instalacija Ionic-a

Next, Next, Next, Yes to all malware, Finish



<http://nodejs.org/>

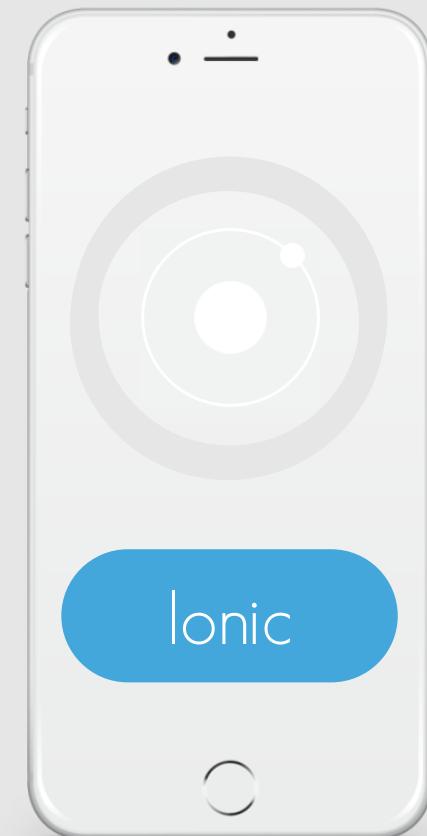


git

<http://git-scm.com>



`npm install -g cordova ionic`



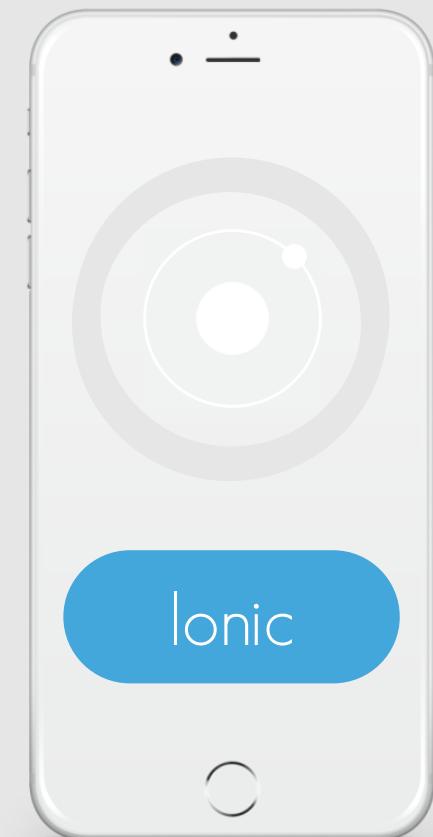
Pokretanje jednostavne Ionic aplikacije

Simple, you say?

```
ionic start devUg tabs
```

```
cd devUg
```

```
ionic serve --lab
```



DEMO

You know something is going to go wrong, don't you?



Kamo dalje?

?

I like it - I want to learn more!



Ionic in Action - <http://amzn.to/1P7TzoW>



Getting Started with Ionic - <http://amzn.to/1JkiyFf>



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



<http://www.nikola-breznjak.com/blog/ionic>



Eat first, ask later



CAME FOR THE
MEMES

AND
PIZZA!



LEARNED HOW TO USE IONIC TO BUILD
HYBRID APPS