



Ionic Framework

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Ionic Framework

Open source SDK for developing hybrid mobile application by using all power of:



IF - beautiful example of combinations Cordova and AngularJS



Cooking:

Before starting we have to install:

NodeJS - nodejs.org



npm - just install lasted stable NodeJS version



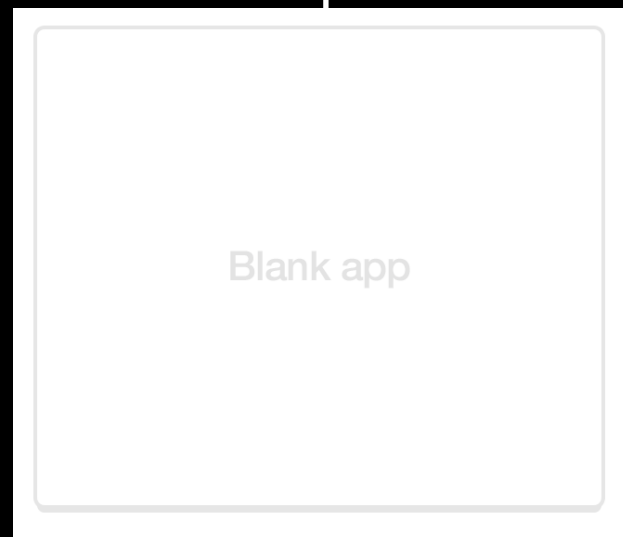
Install Cordova + Ionic

```
MacBook-Pro-Evgenij:~ Yauheni$ npm install -g cordova ionic
```

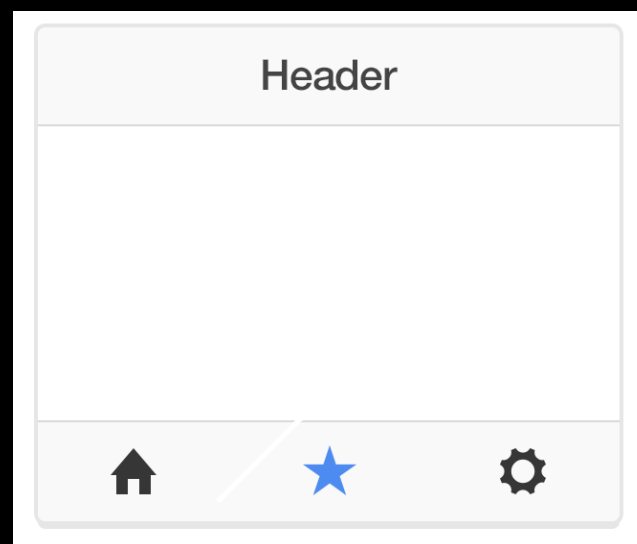
Create project

Here everything is simple: IF offers a choice of 3 templates for application:

```
MacBook-Pro-Evgenij:~ Yauheni$ ionic start myFirstApp blank
```



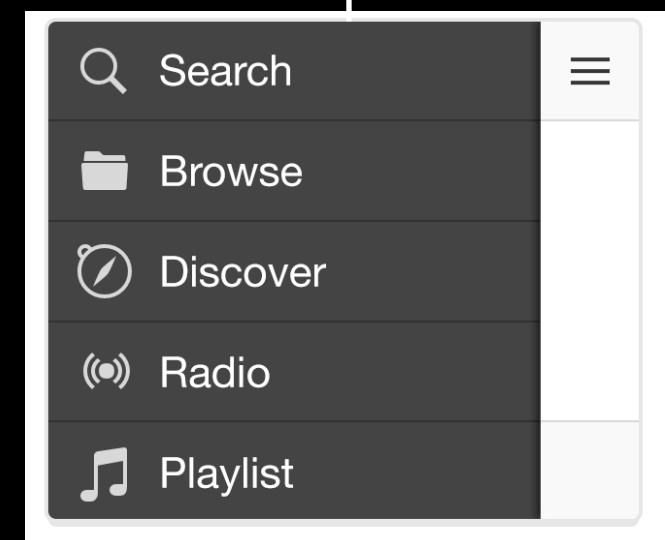
blank



tabs

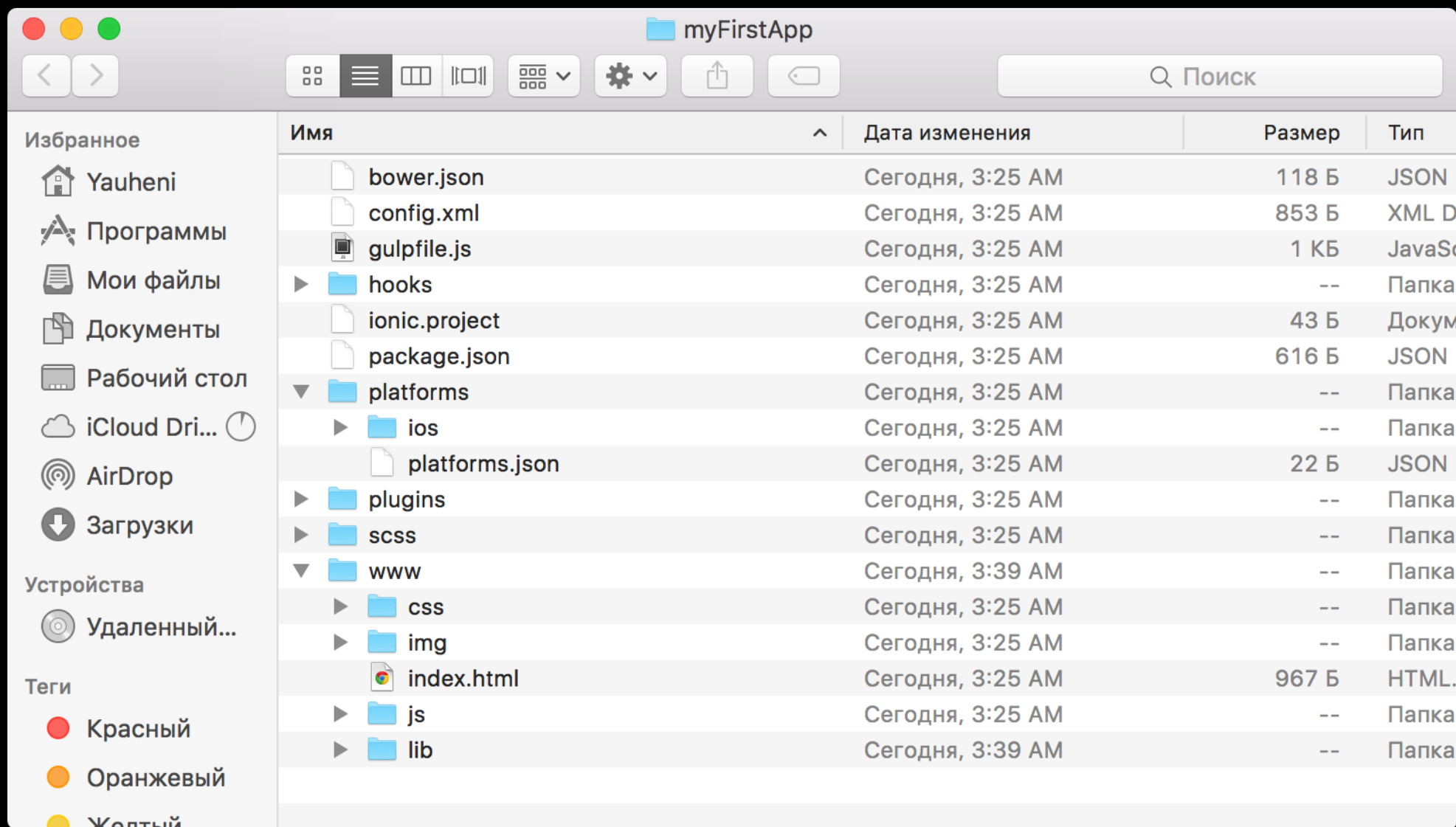
```
MacBook-Pro-Evgenij:~ Yauheni$ ionic start myFirstApp tabs
```

```
MacBook-Pro-Evgenij:~ Yauheni$ ionic start myFirstApp sidemenu
```



sidemenu

Structure



Structure

bower.json - Used for managing your app's dependencies via the bower package management tool.

config.xml - This is the configuration file for Cordova. It's used for Cordova plugin management and app settings.

gulpfile.js - This file is used for compiling SASS and other Ionic Framework specific tasks via the gulp task runner.

ionic.project - This is used for the configuration of the ionic CLI tool.

package.json - All of your npm dependencies are stored in this file.

/hooks - This directory stores any Cordova Hooks that you may have.

/platforms - Here Ionic keeps builds for each platform.

/plugins - Any Cordova Plugins that you install will be saved in this folder.

/scss - Stores Ionic's SCSS file, but you can (optionally) put your own SCSS files in there too.

/www - This contains the meat of our Ionic application; you'll be spending most of your time in here.

Components

Here we have two classifications of components: CSS and Angular



```
<div class="bar bar-header bar-stable">  
  <h1 class="title">Ionic Blank Starter</h1>  
</div>
```

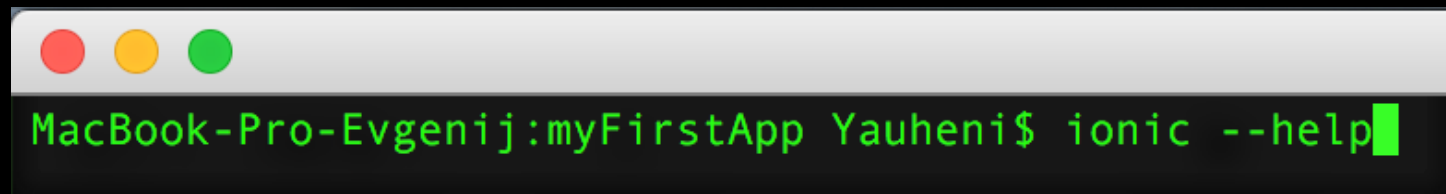


```
<ion-header-bar class="bar-stable">  
  <h1 class="title">Ionic Blank Starter</h1>  
</ion-header-bar>
```

Ionic CLI

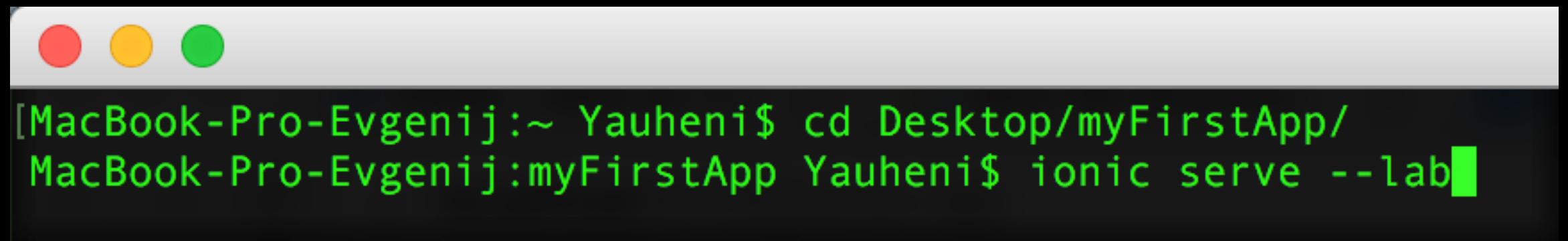
The Ionic Framework command line utility makes it easy to start, build, run, and emulate Ionic apps. In the future, it will also have support for our mobile development services and tools that make Ionic even more powerful.

For more detail:

A screenshot of a macOS terminal window. The window has a title bar with three colored buttons (red, yellow, green) on the left. The terminal text is green on a black background. It shows the prompt 'MacBook-Pro-Evgenij:myFirstApp Yauheni\$' followed by the command 'ionic --help' and a green cursor block at the end.

```
MacBook-Pro-Evgenij:myFirstApp Yauheni$ ionic --help
```


Let's try to use one of the CLI command

A screenshot of a macOS terminal window. The window has a title bar with three colored buttons (red, yellow, green) on the left. The terminal text is as follows:

```
[MacBook-Pro-Evgenij:~ Yauheni$ cd Desktop/myFirstApp/  
MacBook-Pro-Evgenij:myFirstApp Yauheni$ ionic serve --lab
```

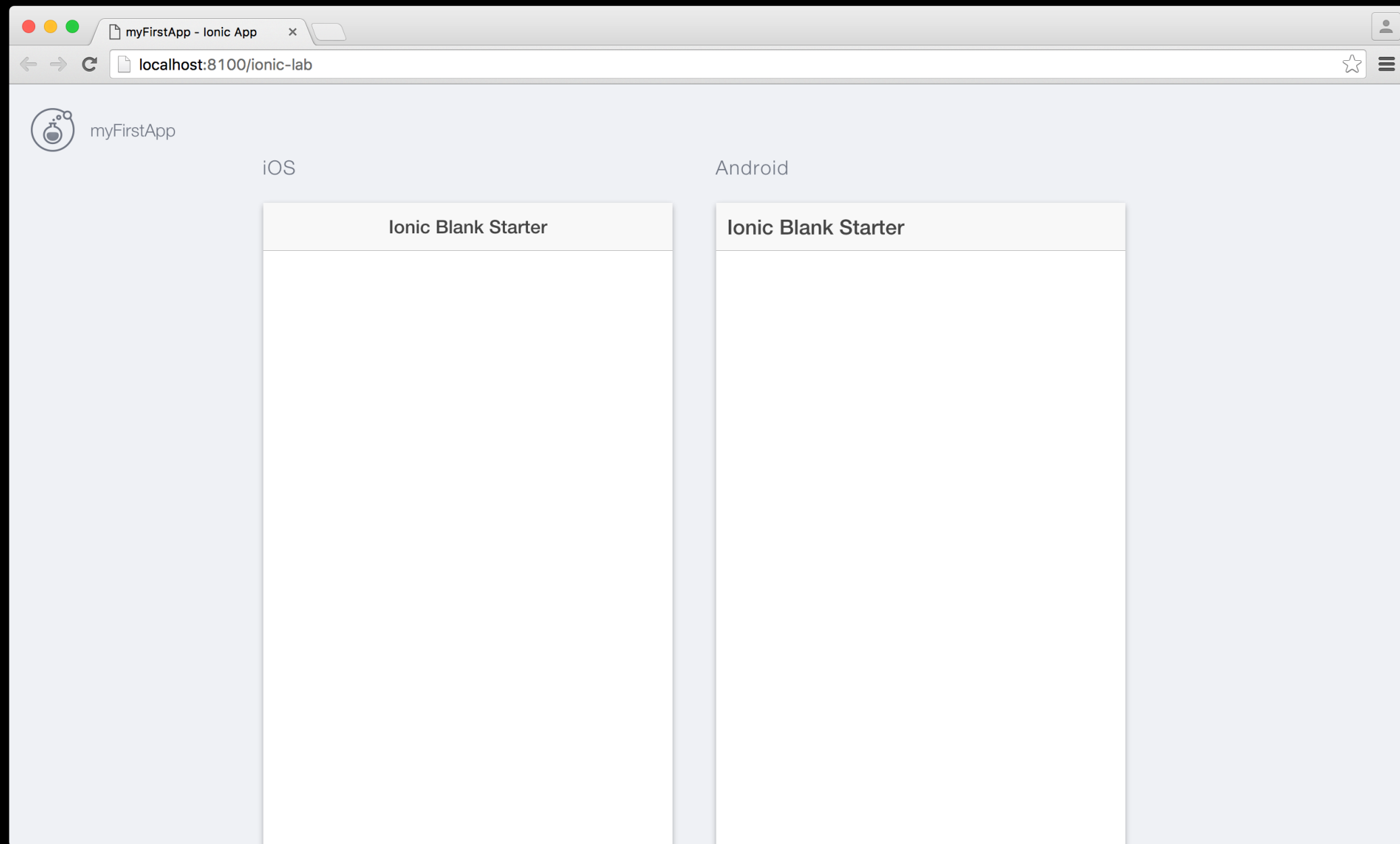
The text is in a light blue font on a dark background. A cursor is visible at the end of the second line.

```
[MacBook-Pro-Evgenij:~ Yauheni$ cd Desktop/myFirstApp/  
MacBook-Pro-Evgenij:myFirstApp Yauheni$ ionic serve --lab
```

We asking Ionic CLI to open local server and run our application on a browser. Also lab open for us both of **iOS** and **Android** devices.

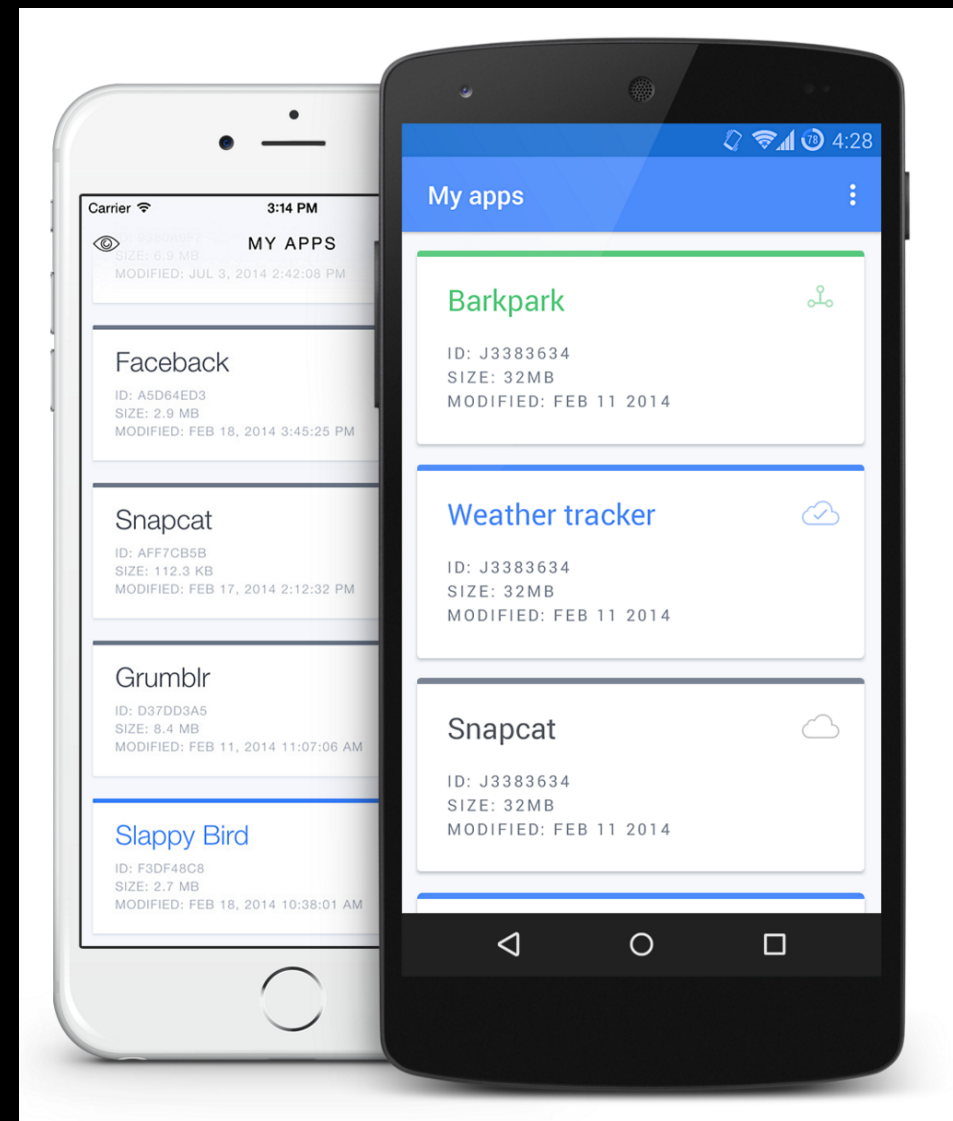
It is great way to testing your application without emulators.

It's looks like that:



Ionic View

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.



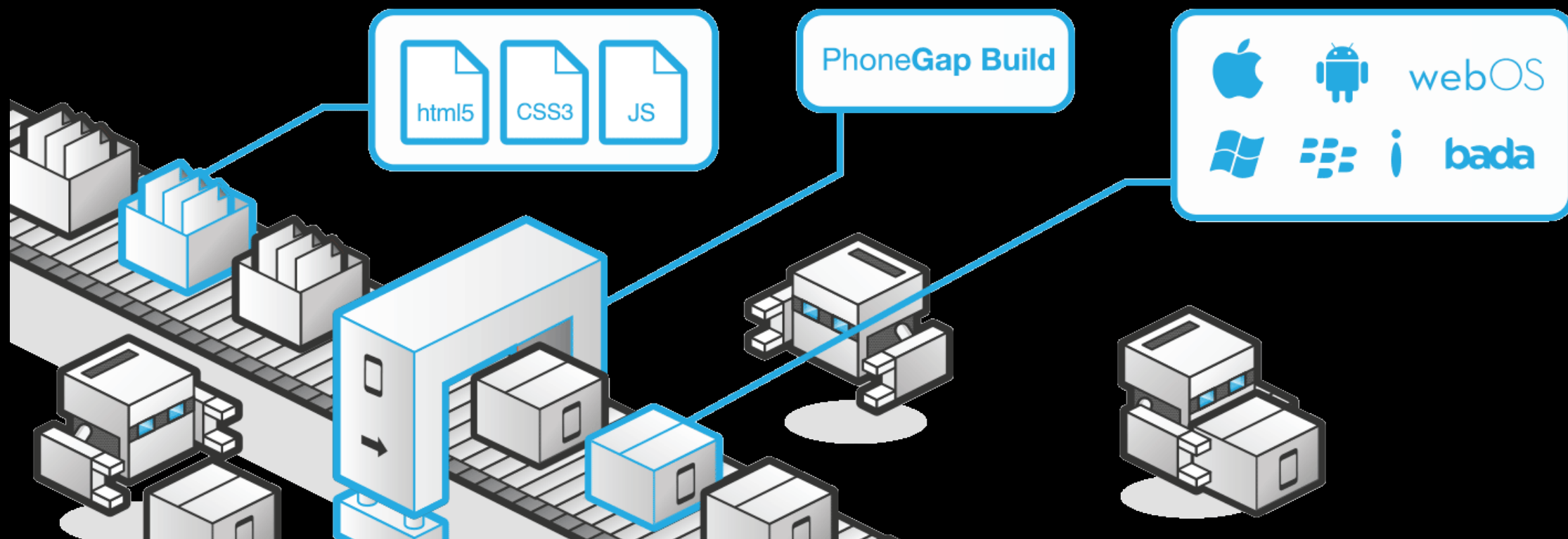
Does it Better than native?

In general it depends from Project. Also its great topic for «holywars»

!!My choice is Hybrid mobile application because it is cross platform solution and result very close with native. And of course it is my favorite web!



Build diagram



Thanks for attention

Prepared for Vistula Web Warsaw #2

Slides:

<https://github.com/Yauheni-blr/Ionic-presentation>