
CZY MIAŁEŚ
MIŁY LUNCH?


UNLEASH YOUR
WEB SKILLS
ON NATIVE!


HULK


WEB DEVELOPER
MOOD COASTER

WEB DEVELOPER IN NATURAL HABITAT

WEB DEVELOPER

- HTML
- CSS
- JavaScript
- Sass
- Node Package Manager

WEB DEVELOPER
ON NATIVE IOS / ANDROID

WEB DEVELOPER & NATIVE

- App stores
- Provisioning files
- Java or Kotlin for Android
- Objective-C or Swift for iOS

WEB DEVELOPER WITH NATIVESCRIPT

WEB DEVELOPER & NATIVESCRIPT

- App stores
- Provisioning files
- NativeScript
- HTML, CSS, JavaScript
- Sass
- Node Package Manager

WEB DEVELOPER ❤ NATIVESCRIPT


WHO?

ROWDY RABOUW

» @rowdyrabouw

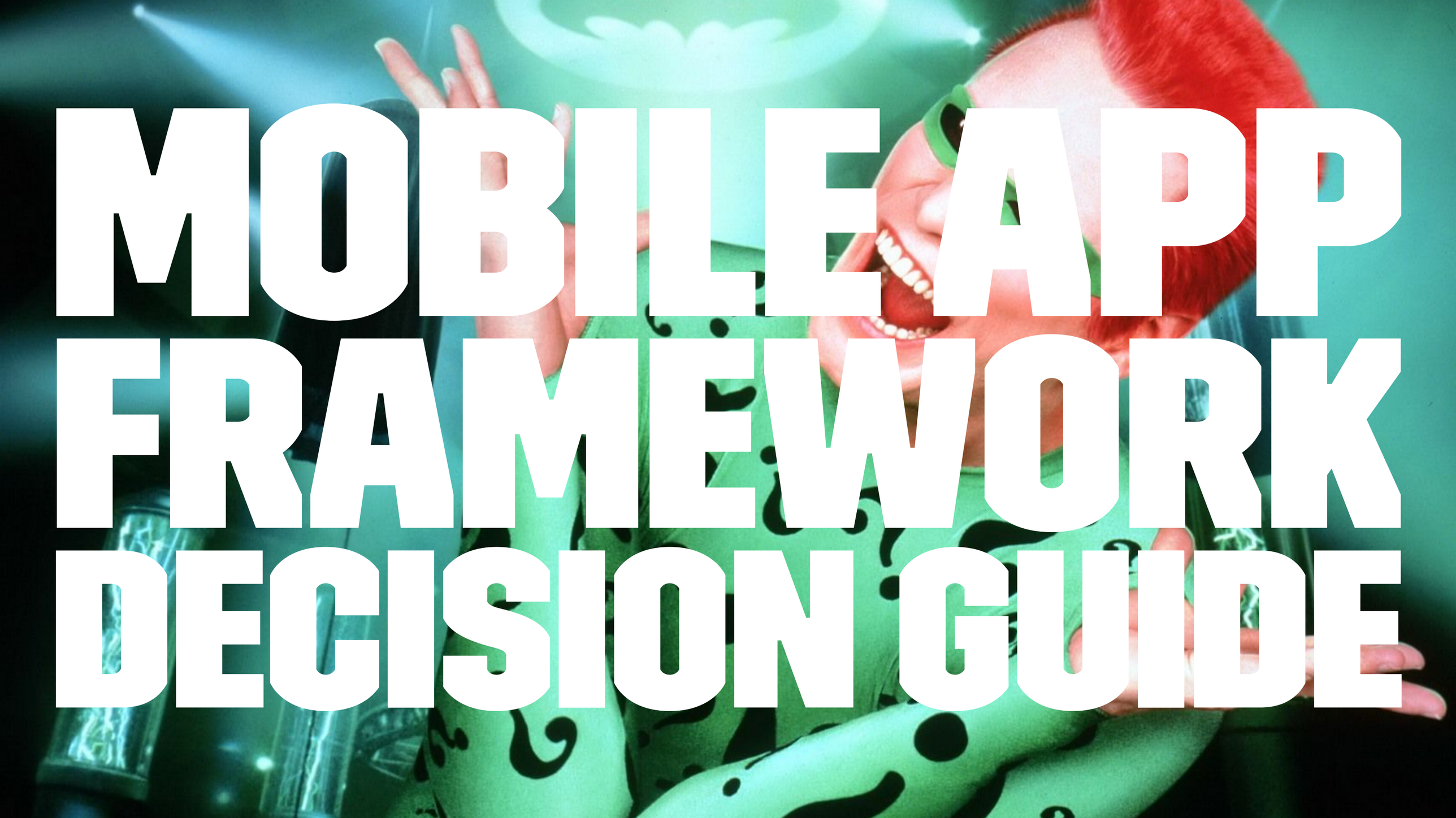
» Gouda, The Netherlands

» Freelance web and app developer

» Lead developer Nationale-Nederlanden Pension App

» Progress Developer Expert for Nativescript

» I ❤ superhero movies


MOBILE APP
FRAMEWORK
DECISION GUIDE

MOBILE APP FRAMEWORK DECISION GUIDE

Do you want/need a native User Interface and native performance?

No **Yes**

MOBILE APP FRAMEWORK DECISION GUIDE

Do you want/need a native User Interface and native performance?

No **Yes**

Phonegap / Cordova with Ionic

- WebView
- DOM to manipulate
- HTML **styled** like native

MOBILE APP FRAMEWORK DECISION GUIDE

Do you want/need a native User Interface and native performance?

No | **Yes**

Phonegap / Cordova with Ionic continue

- WebView
- DOM to manipulate
- HTML **styled** like native

MOBILE APP FRAMEWORK DECISION GUIDE

Do you have too much money and time?

Yes

No

MOBILE APP FRAMEWORK DECISION GUIDE

Do you have too much money and time?

Yes | **No**

Native iOS and Android

- Twice the work

MOBILE APP FRAMEWORK DECISION GUIDE

Do you have too much money and time?

Yes	No
Native iOS and Android	continue

- Twice the work

MOBILE APP FRAMEWORK DECISION GUIDE

Do you potentially want/need to share code with the web?

Or do you want/need to use web technologies?

No Yes

MOBILE APP FRAMEWORK DECISION GUIDE

Do you potentially want/need to share code with the web?

Or do you want/need to use web technologies?

No **Yes**

Xamarin

- .NET or C#
- Cross compiling
- Bindings to access native APIs

MOBILE APP FRAMEWORK DECISION GUIDE

Do you potentially want/need to share code with the web?

Or do you want/need to use web technologies?

No **Yes**

Flutter

- Dart
- Cross compiling

MOBILE APP FRAMEWORK DECISION GUIDE

Do you potentially want/need to share code with the web?

Or do you want/need to use web technologies?

No	**Yes**
Flutter	continue

- Dart
- Cross compiling

MOBILE APP FRAMEWORK DECISION GUIDE

Do you want to use modern JavaScript?

No **Yes**

MOBILE APP FRAMEWORK DECISION GUIDE

Do you want to use modern JavaScript?

No **Yes**

Titanium

- No ES6/ES2015 support
- Can't use NPM
- Old MVC framework (Alloy)

MOBILE APP FRAMEWORK DECISION GUIDE

Do you want to use modern JavaScript?

No	Yes
Titanium	continue

- No ES6/ES2015 support
- Can't use NPM
- Old MVC framework (Alloy)

MOBILE APP FRAMEWORK DECISION GUIDE

Do you know and like React?

Yes

No

MOBILE APP FRAMEWORK DECISION GUIDE

Do you know and like React?

Yes | **No**

React Native

- React
- Bridge to access native APIs

MOBILE APP FRAMEWORK DECISION GUIDE

Do you know and like React?

Yes **No**

React Native

- React
- Bridge to access native APIs
- **Hold my beer!**

MOBILE APP FRAMEWORK DECISION GUIDE

Do you know and like React?

Yes	No
React Native	continue

- React
- Bridge to access native APIs
- **Hold my beer!**

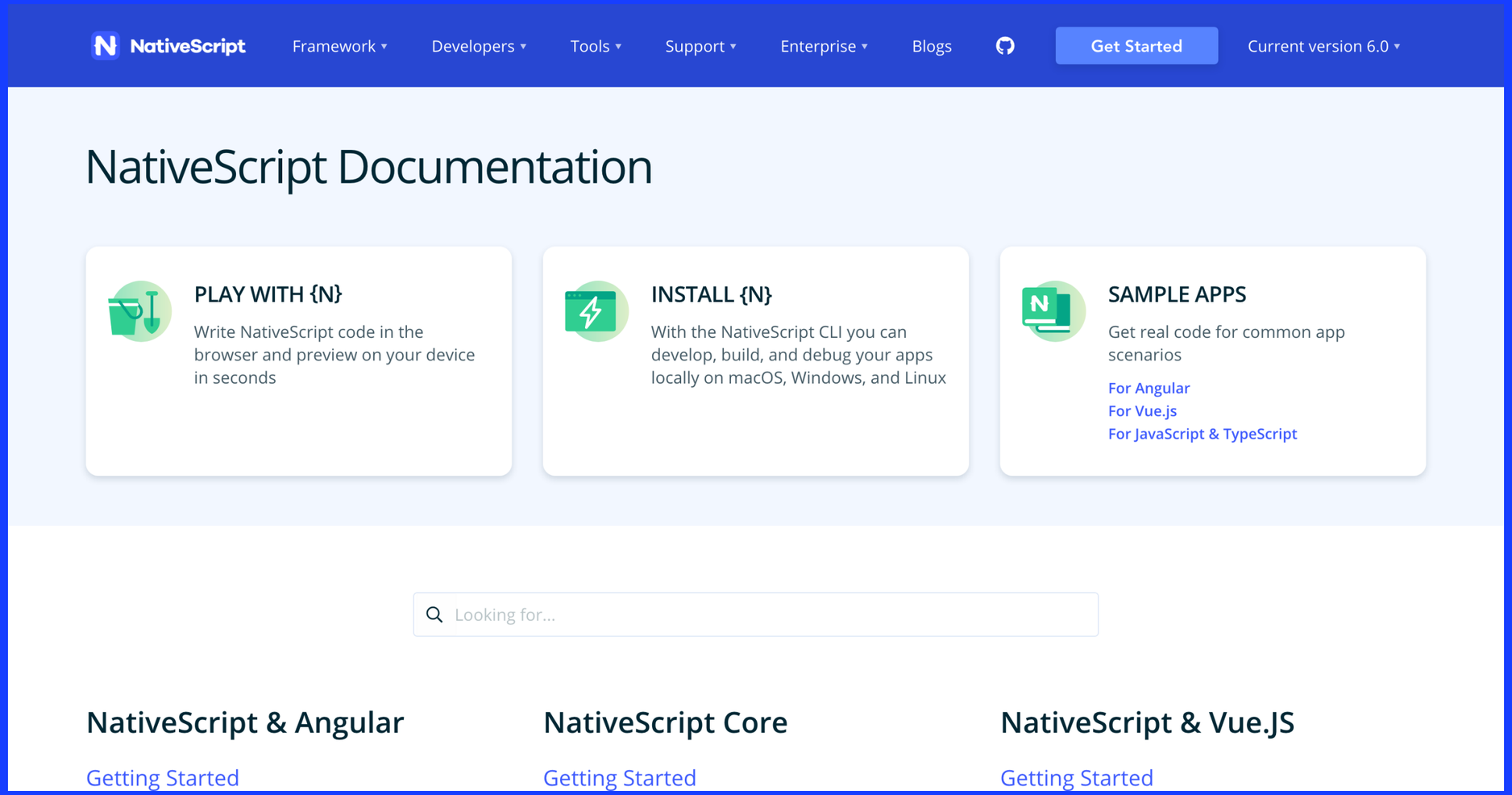

NATIVESCRIPT


NATIVESCRIPT

WHAT IS NATIVESCRIPT?

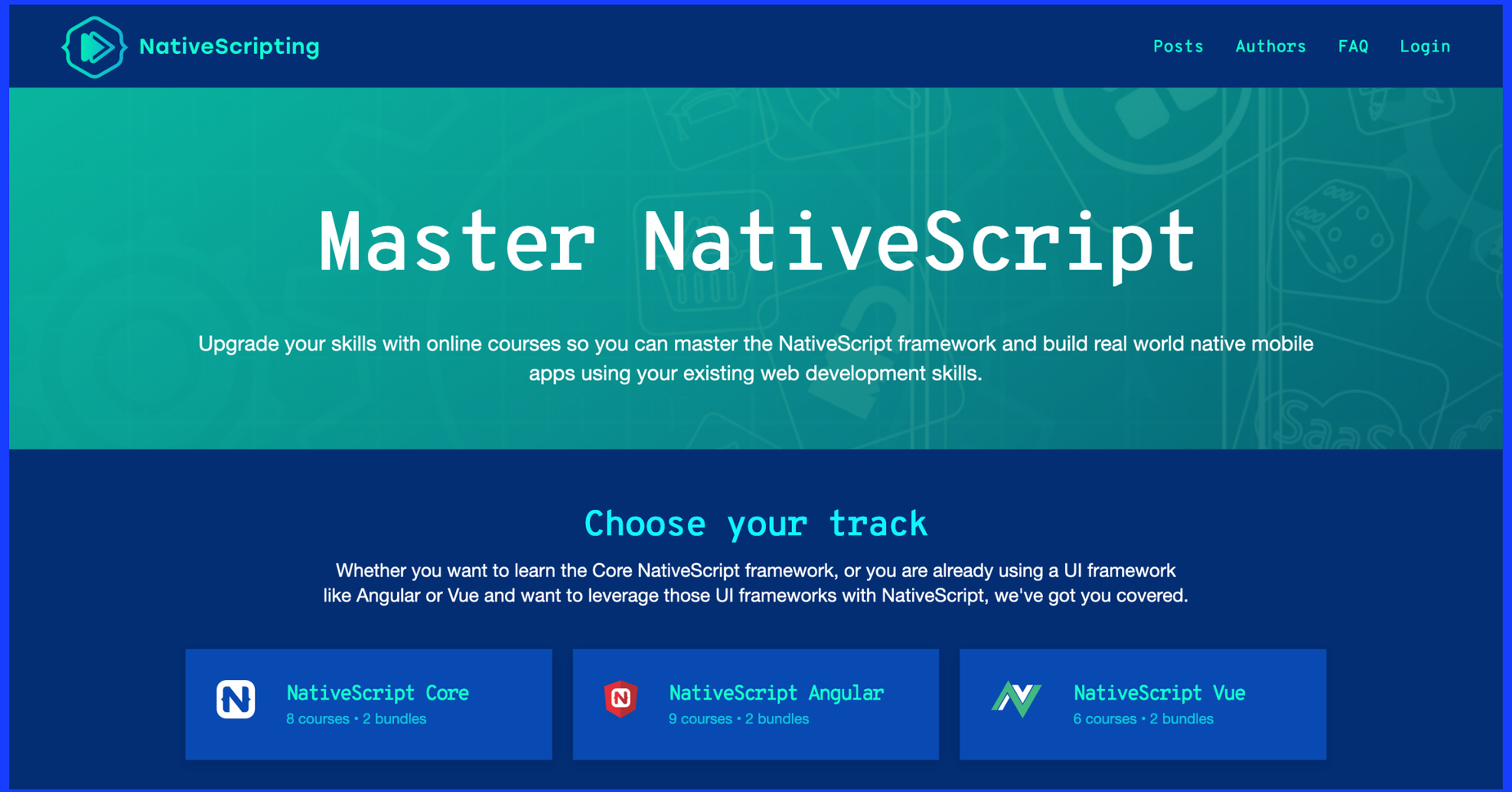
- Open source framework for building truly native mobile apps
- JavaScript, markup (XML/HTML) and CSS
- Native code inside your JavaScript if you want and dare
- Cross Platform: one codebase for iOS and Android
- Backed by software company Progress
- Android 4.2 or a later stable official release
- iOS 9.0 or later stable official release

DOCS.NATIVESCRIPT.ORG

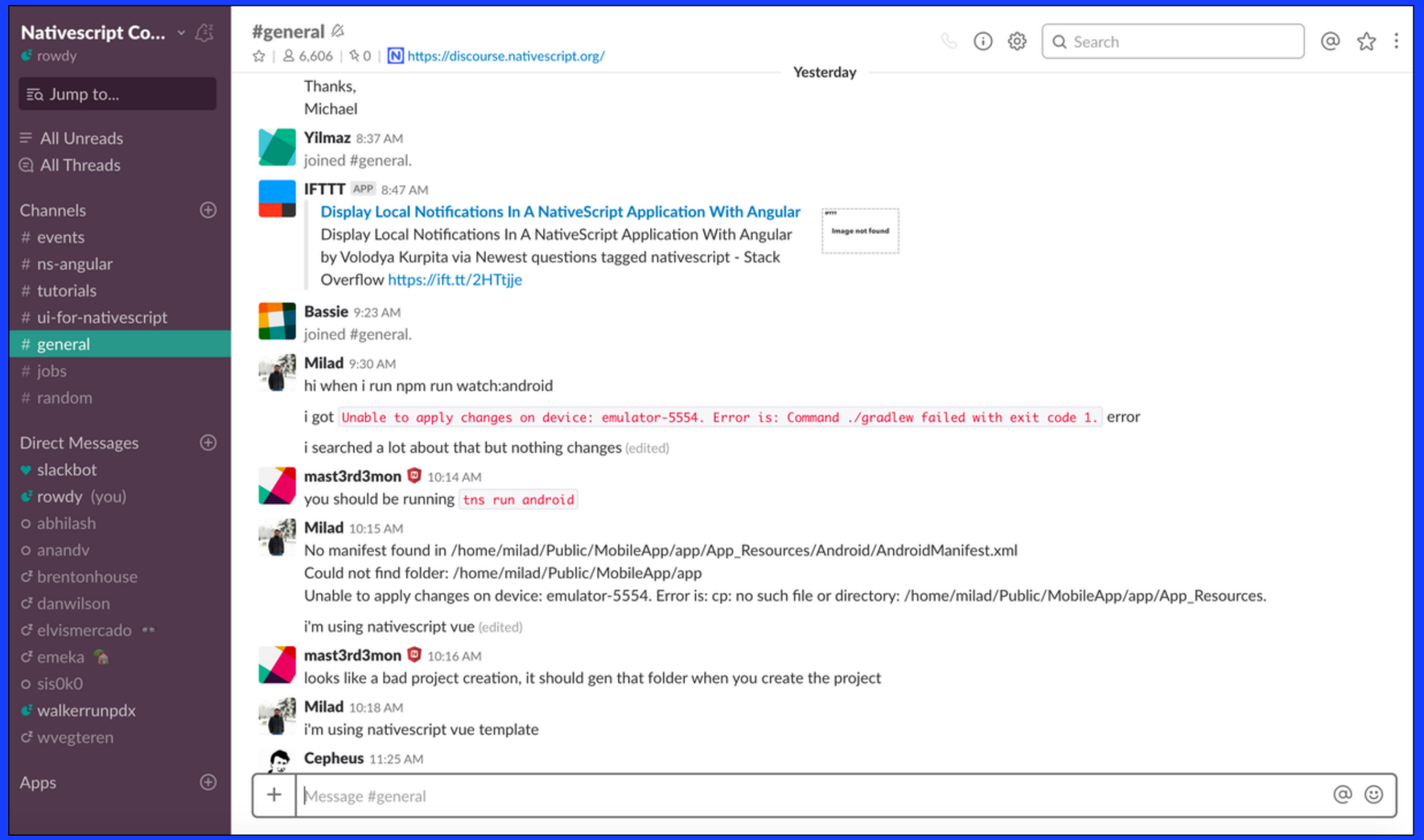


NATIVESCRIPT.ORG/GET-THE-NATIVESCRIPT-BOOK

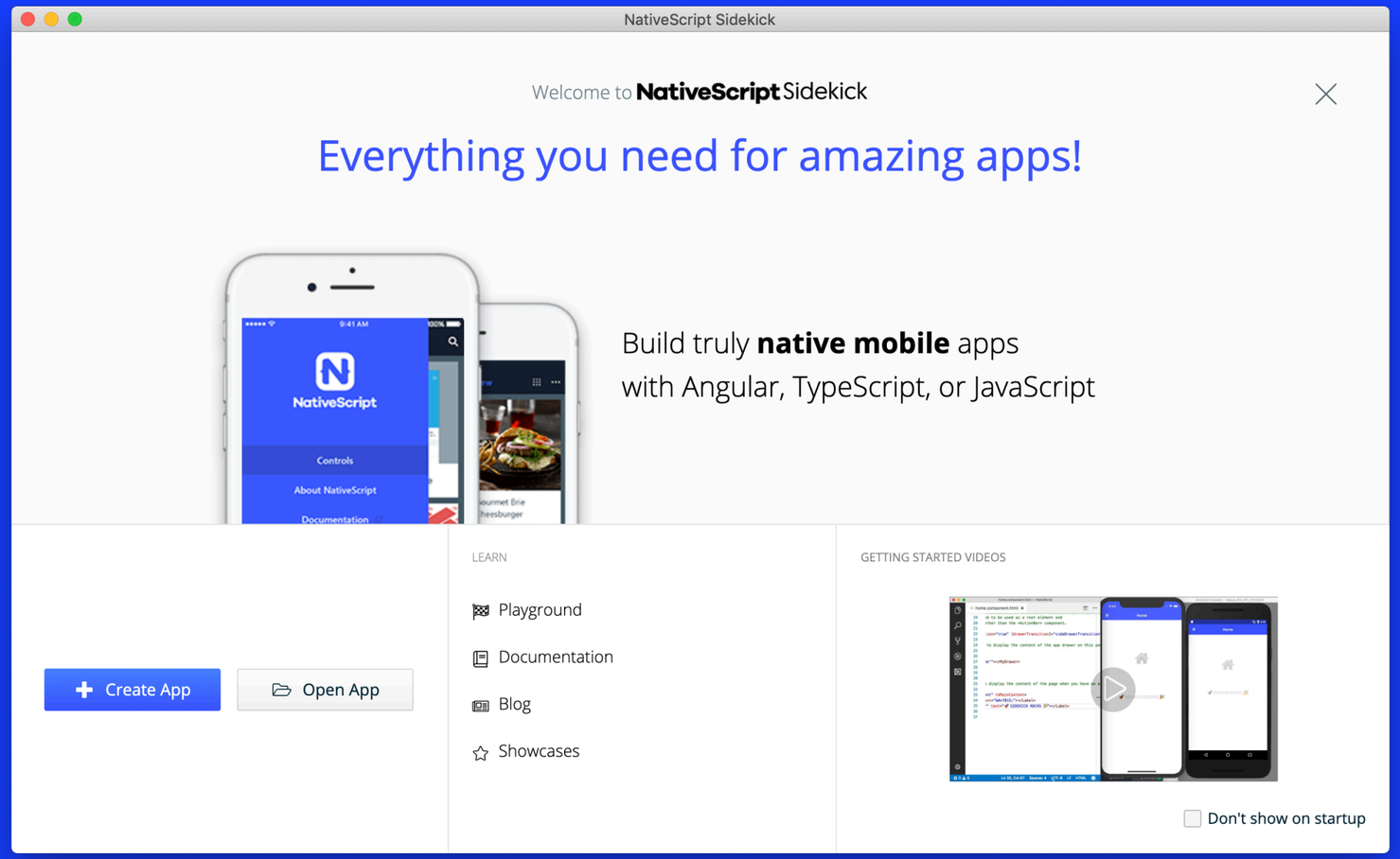
NATIVESCRIPTING.COM



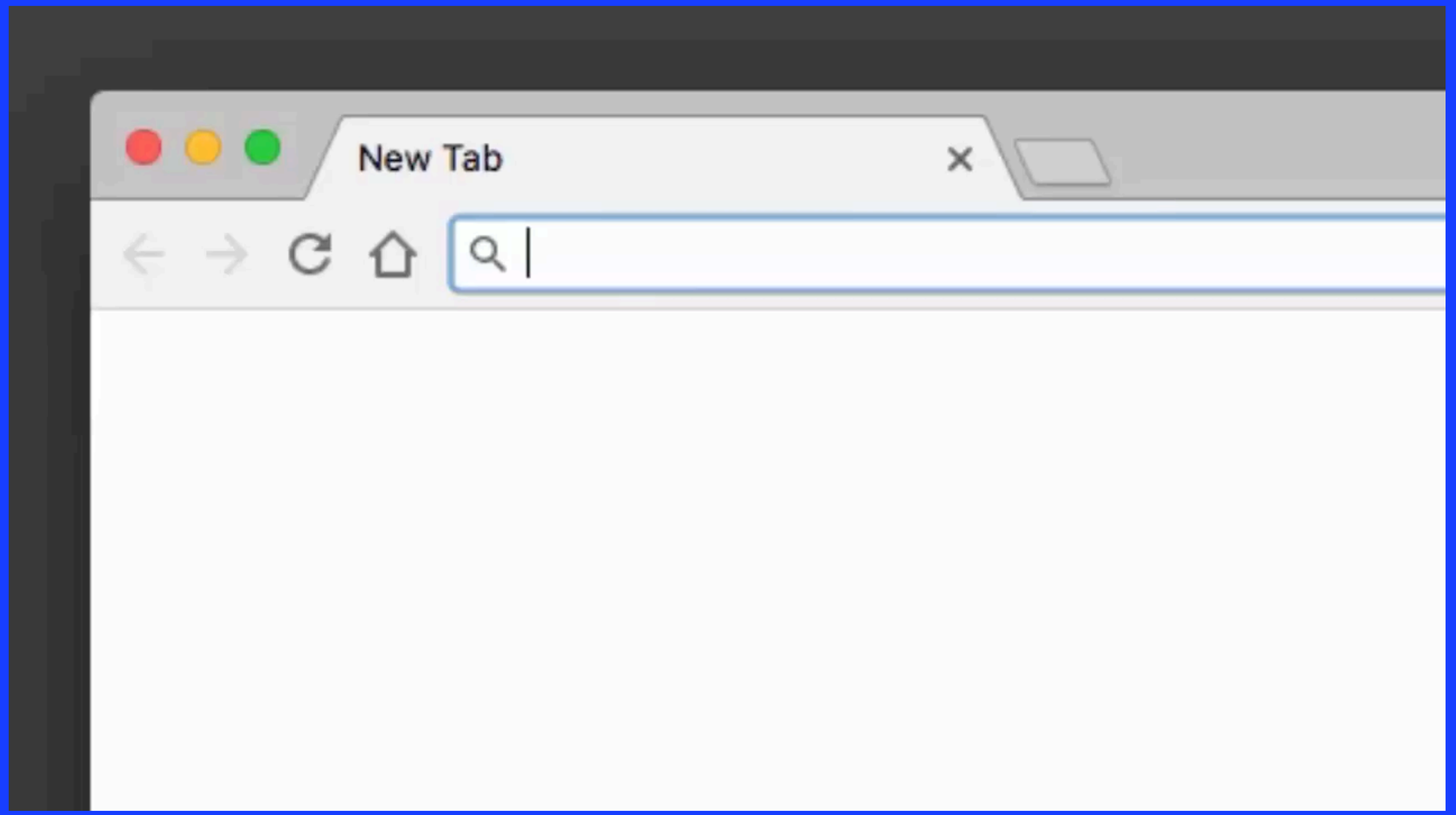
NATIVESCRIPTCOMMUNITY.SLACK.COM



NATIVESCRIPT.ORG/NATIVESCRIPT-SIDEKICK



PLAY.NATIVESCRIPT.ORG




MARKUP
LIKE ON THE WEB

MARKUP

http://2xr.nl/markup
https://docs.nativescript.org/ui/components

```
<ActionBar title="Native elements"/>
<StackLayout>
    <Button text="Button" tap="{{ onButtonTap }}"/>
    <Switch checked="false"/>
    <SegmentedBar items="{{ segmentedBarItems }}"/>
    <Progress value="0" maxValue="100"/>
    <Slider value="0" minValue="0" maxValue="100"/>
    <DatePicker year="2018" month="1" day="1"
        minDate="1970-01-01" maxDate="2100-12-31"/>
</StackLayout>
```

Native elements

BUTTON

ITEM 1 ITEM 2 ITEM 3

31	Dec	2017
01	Jan	2018
02	Feb	2019

Native elements

Button

Item 1 Item 2 Item 3

29	October	2015
30	November	2016
31	December	2017
1	January	2018
2	February	2019
3	March	2020
4	April	2021

TEXTFIELD

https://docs.nativescript.org/api-reference/modules/_ui_text_field_.textfield

```
<TextField/>

<TextField text=""/>

<TextField hint="Enter your name"/>
```

TEXTFIELD: AUTOCAPITALIZATION

https://docs.nativescript.org/api-reference/modules/_ui_text_field_.textfield

```
<TextField autocapitalizationType="allCharacters"/>

<TextField autocapitalizationType="sentences"/>

<TextField autocapitalizationType="words"/>
```

TEXTFIELD: AUTOCAPITALIZATION

https://docs.nativescript.org/api-reference/modules/_ui_text_field_.textfield

```
<TextField autocapitalizationType="allCharacters"/>

<TextField autocapitalizationType="sentences"/>

<TextField autocapitalizationType="words"/>

<TextField autocapitalizationType="none"/>
```

TEXTFIELD: AUTOCORRECT

https://docs.nativescript.org/api-reference/modules/_ui_text_field_.textfield

```
<TextField autocorrect="true"/>

<TextField autocorrect="false"/>
```

TEXTFIELD: KEYBOARDTYPE

http://2xr.nl/keyboardType
https://docs.nativescript.org/api-reference/modules/_ui_enums_.keyboardtype

```
<TextField keyboardType="number"/>
<TextField keyboardType="datetime"/>
<TextField keyboardType="phone"/>

<TextField keyboardType="email"/>

<TextField keyboardType="url"/>
```

keyboardType

- datetime
- number
- phone
- email
- url
- default

keyboardType

- datetime
- number
- phone
- email
- url
- default

TEXTFIELD: MORE ATTRIBUTES

https://docs.nativescript.org/api-reference/modules/_ui_text_field_.textfield

```
<TextField textAlignment=""/>

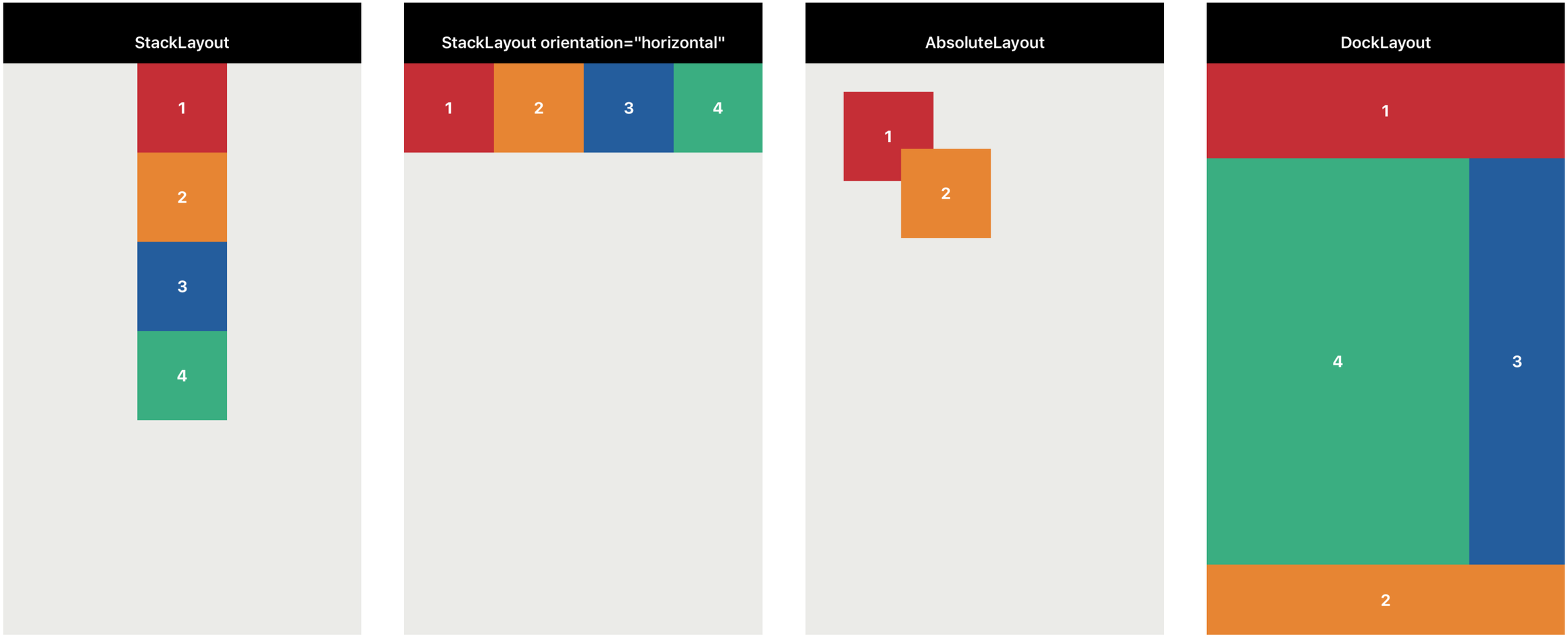
<TextField visibility=""/>

<TextField width=""/>

<TextField maxLength=""/>
```

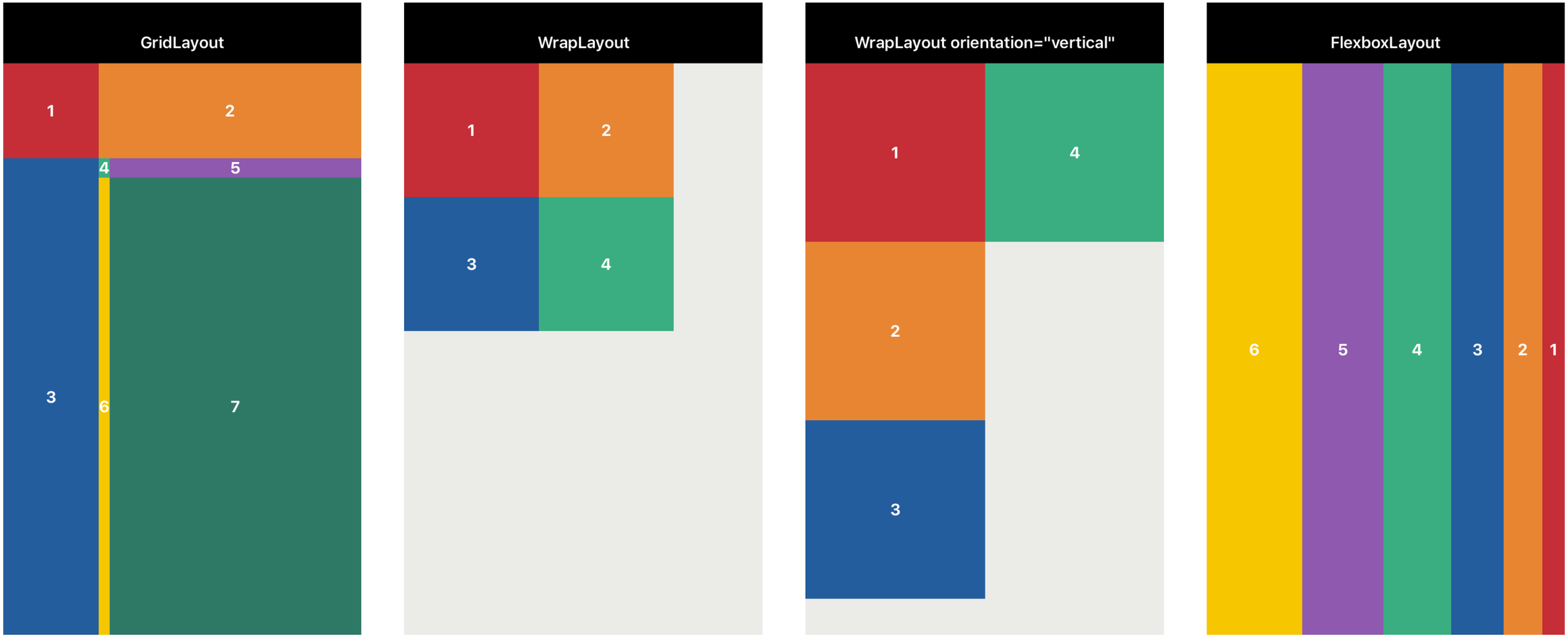
LAYOUTS

https://docs.nativescript.org/ui/layouts



LAYOUTS

https://docs.nativescript.org/ui/layouts



DOCKLAYOUT

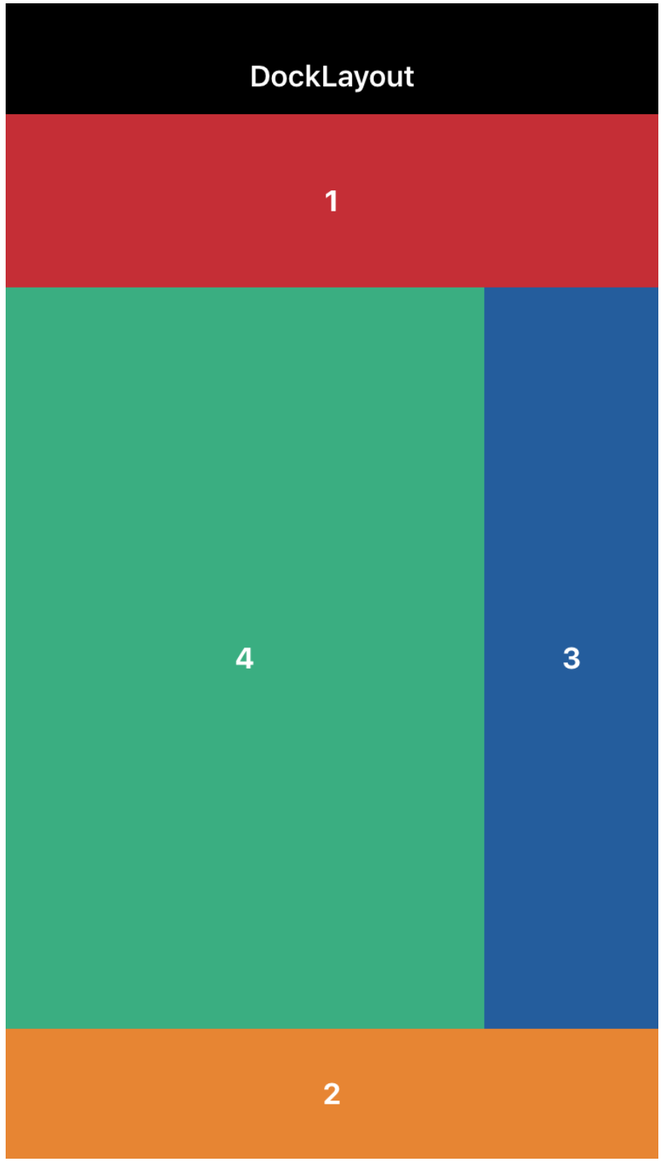
https://docs.nativescript.org/ui/layouts

```
<DockLayout height="100%"
    stretchLastChild="true">

    <Label text="1" dock="top"/>
    <Label text="2" dock="bottom"/>
    <Label text="3" dock="right"/>
    <Label text="4" dock="left"/>

</DockLayout>

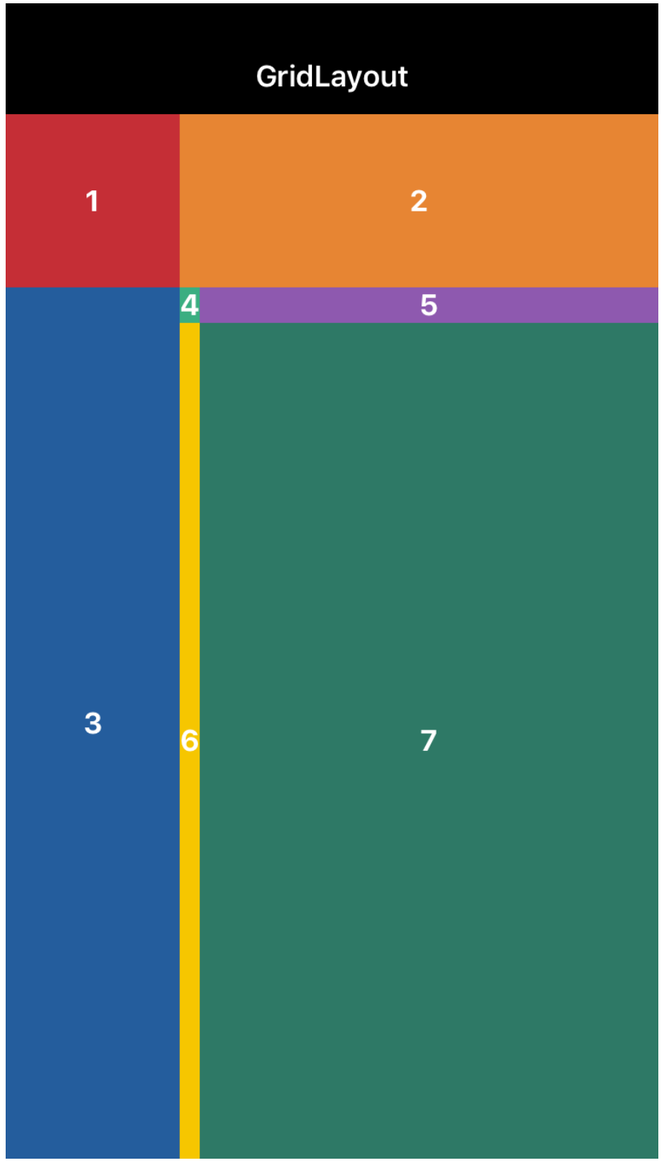
<!--
  1 + 2 have fixed height
  3 has fixed width
  4 will get all remaining space
-->
```



GRIDLAYOUT

https://docs.nativescript.org/ui/layouts

```
<GridLayout
    rows="100, auto, *"
    columns="100, auto, *">
    <Label text="1" row="0" col="0">
    <Label text="2" row="0" col="1"
        colSpan="2"/>
    <Label text="3" row="1" col="0"
        rowSpan="2"/>
    <Label text="4" row="1" col="1"/>
    <Label text="5" row="1" col="2"/>
    <Label text="6" row="2" col="1"/>
    <Label text="7" row="2" col="2"/>
</GridLayout>
```




CASCADING
STYLE SHEETS

CASCADING STYLE SHEETS

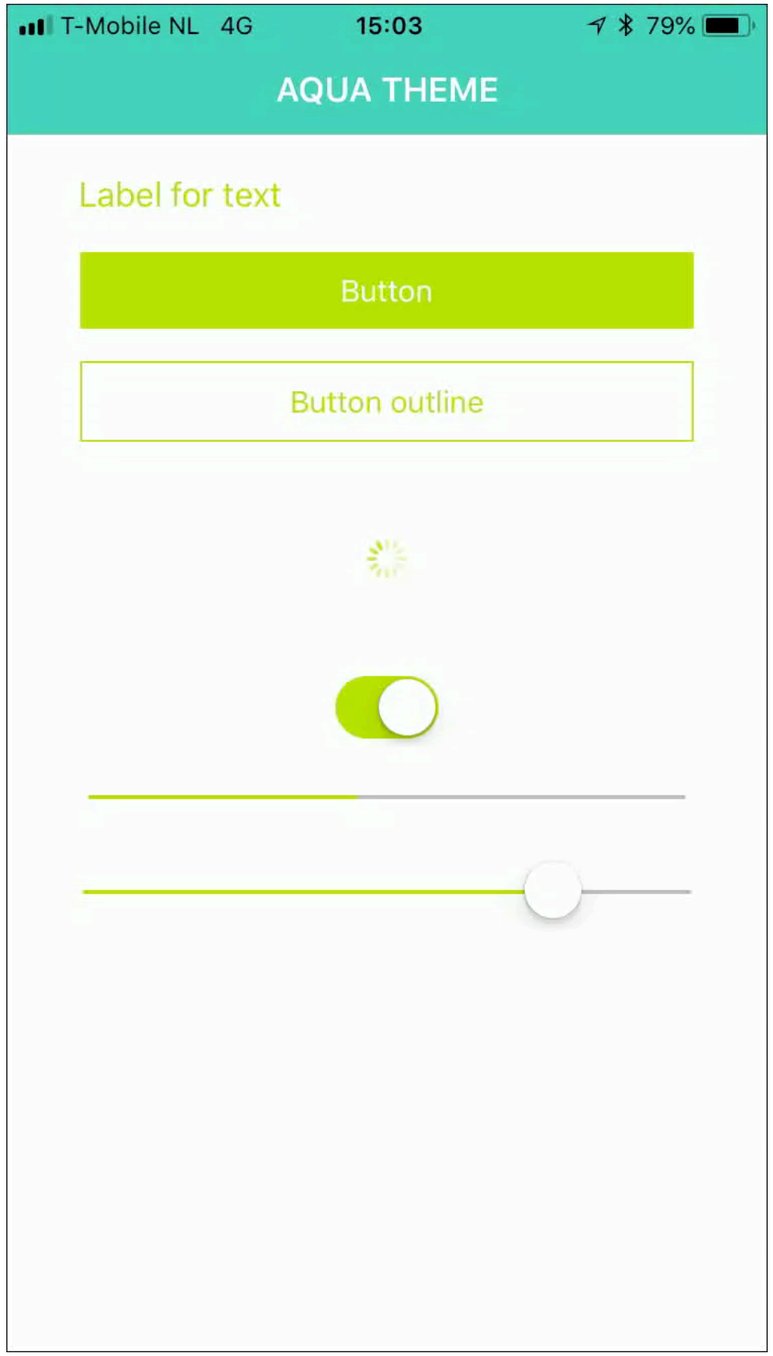
https://docs.nativescript.org/ui/styling

- a large subset of CSS properties is supported
- device-independent pixels
- application-wide, page-specific or inline
- platform-specific possible
- animations
- SASS

{N} CORE THEMES

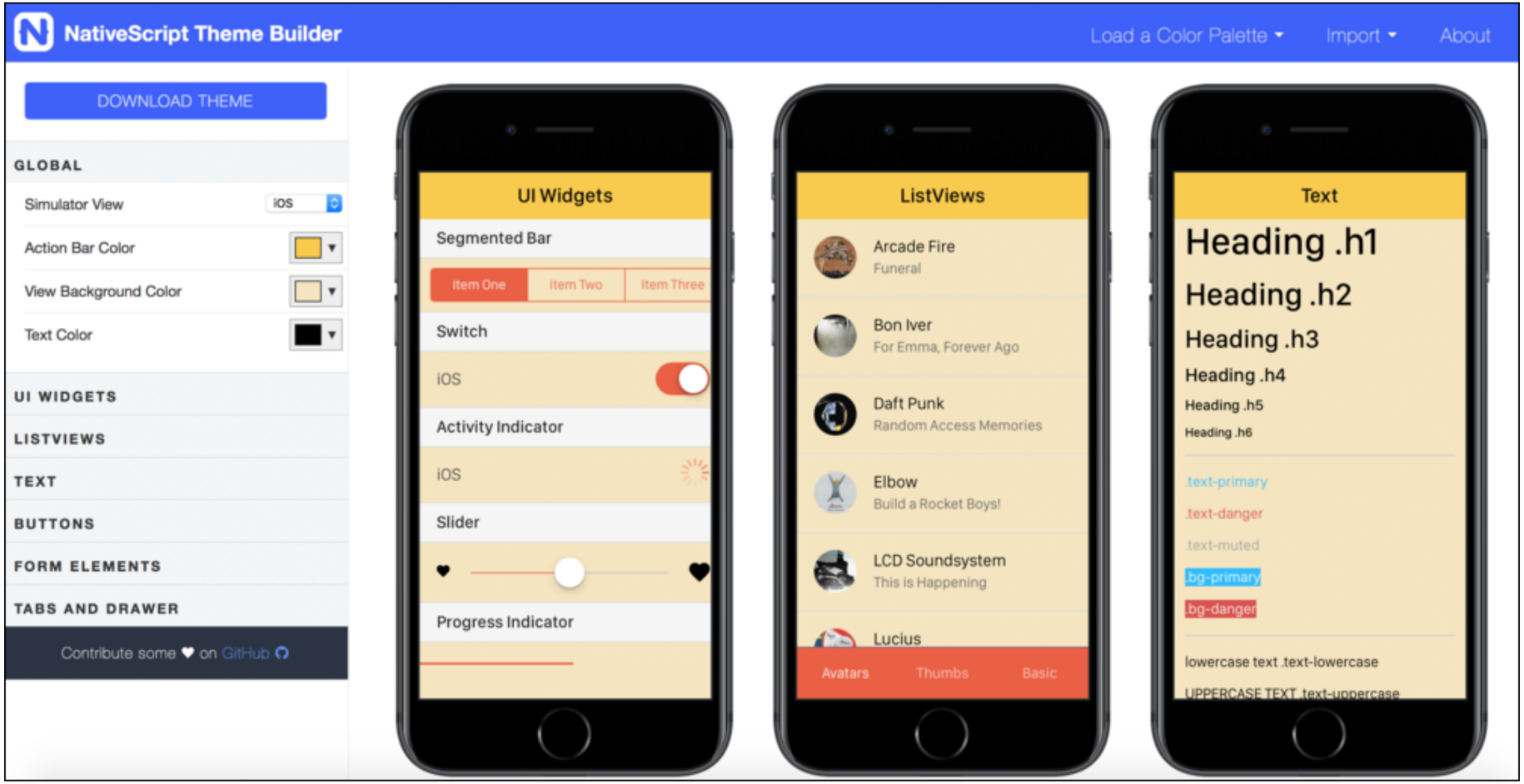
https://docs.nativescript.org/ui/theme

- ready to use color schemes
- tailored for iOS and Android



NATIVESCRIPT THEME BUILDER

https://www.nativescriptthemebuilder.com



TABVIEW

```
<TabView height="100%">
    <StackLayout *tabItem="{title: 'Rocket Raccoon'}" class="full rocket"/>
    <StackLayout *tabItem="{title: 'Harley Quinn'}" class="full harley"/>
    <StackLayout *tabItem="{title: 'Hulk'}" class="full hulk"/>
</TabView>
```

TABVIEW

```
.full {
  background-size: cover;
  background-position: center;
  background-repeat: no-repeat;
}

.rocket { background-image: url("~/images/rocket-raccoon.jpg"); }

.harley { background-image: url("~/images/harley-quinn.jpg"); }

.hulk { background-image: url("~/images/hulk.jpg"); }
```


TabView
ROCKET RACCOON
HARLEY QUINN
HULK


TabView
Rocket Raccoon
Harley Quinn
Hulk


4 FANTASTIC
CHOICES

6 BIG HEROES

JAVASCRIPT

TYPESCRIPT

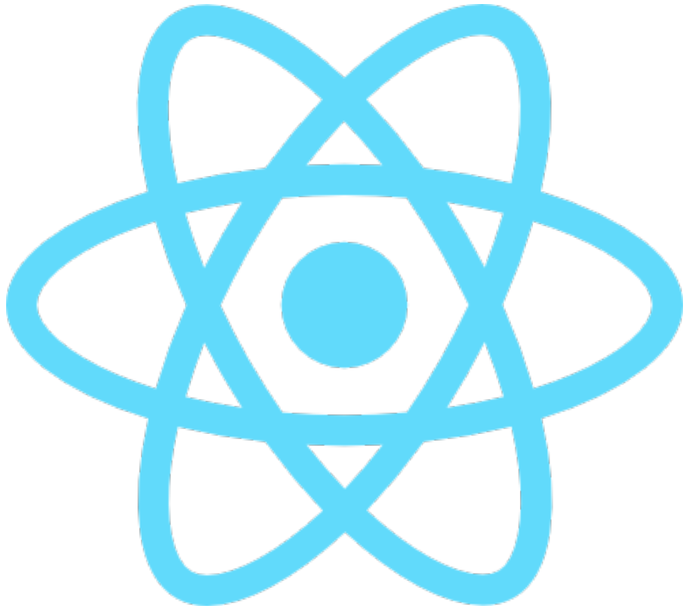
ANGULAR

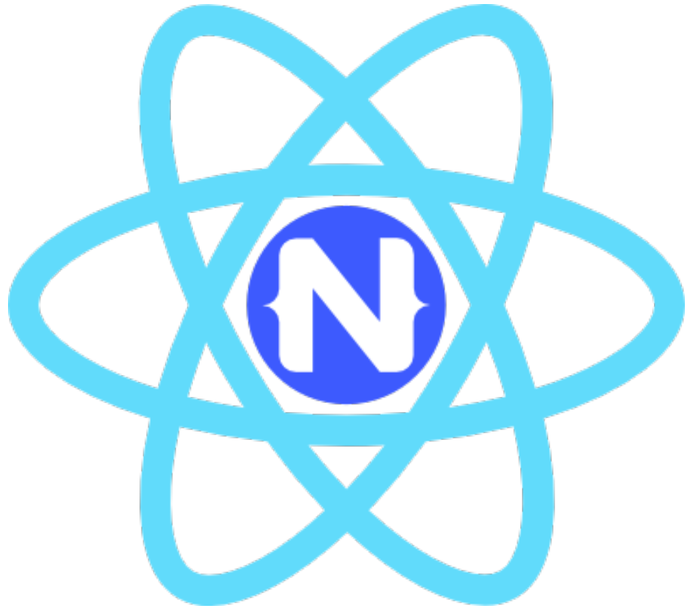
VUE.JS

IGOR RANDJELOVIC (NATIVESCRIPT-VUE)

SVELTE

DAVID PERSHOUSE (SVELTE NATIVE)





REACT

JAMIE BIRCH (REACT NATIVESCRIPT)


Damaged

NATIVE CODE
OBJECTIVE-C

{N} ANGULAR DIRECTORY STRUCTURE

```
app/components/slider/

    slider.component.html
    slider.component.css
    slider.component.ts

    slider-routing.module.ts
    slider-module.ts
```

SLIDER.COMPONENT.HTML

```
<ActionBar>
    <NavigationButton visibility="collapsed"></NavigationButton>
</ActionBar>
<StackLayout>
    <Slider></Slider>
</StackLayout>
```

SLIDER.COMPONENT.CSS

```
ActionBar {
    background-color: #FFFFFF;
}

StackLayout {
    padding: 50;
}
```

SLIDER.COMPONENT.TS

```
import { Component } from "@angular/core";

@Component({
  selector: "app-slider",
  moduleId: module.id,
  templateUrl: "slider.component.html",
  styleUrls: ["slider.component.css"]
})
export class SliderComponent {
  constructor() {}
}
```

SLIDER-ROUTING.MODULE.TS

```
import { NgModule } from "@angular/core";
import { Routes } from "@angular/router";
import { NativeScriptRouterModule } from "nativescript-angular/router";

import { SliderComponent } from "./slider.component";

const routes: Routes = [{ path: "", component: SliderComponent }];

@NgModule({
  imports: [NativeScriptRouterModule.forChild(routes)],
  exports: [NativeScriptRouterModule]
})
export class SliderRoutingModule {}
```

SLIDER.MODULE.TS

```
import { NgModule, NO_ERRORS_SCHEMA } from "@angular/core";
import { NativeScriptModule } from "nativescript-angular/nativescript.module";

import { SliderRoutingModule } from "./slider-routing.module";
import { SliderComponent } from "./slider.component";

@NgModule({
  imports: [NativeScriptModule, SliderRoutingModule],
  declarations: [SliderComponent],
  schemas: [NO_ERRORS_SCHEMA]
})
export class SliderModule {}
```


09:41
100%

SLIDER.COMPONENT.HTML

```
<ActionBar>
    <NavigationButton visibility="collapsed"></NavigationButton>
</ActionBar>
<StackLayout>
    <Slider slider-icon></Slider>
</StackLayout>
```

- attribute directive
- changes the appearance or behavior of an element

SLIDER.DIRECTIVE.TS

```
import { Directive, ElementRef } from "@angular/core";
import { isIOS } from "platform";

@Directive({
  selector: "[slider-icon]"
})
export class SliderIconDirective {
  constructor(private el: ElementRef) {
    if (isIOS) {
      const uiSlider = this.el.nativeElement.ios;
      uiSlider.setThumbImageForState(
        UIImage.imageNamed("image.png"), UIControlState.Normal);
    }
  }
}
```

SLIDER.DIRECTIVE.TS

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import { Directive, ElementRef } from "@angular/core";
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SLIDER.DIRECTIVE.TS

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})
export class SliderIconDirective {
  constructor(private el: ElementRef) {
    if (isIOS) {
      const uiSlider = this.el.nativeElement.ios;
      uiSlider.setThumbImageForState(
        UIImage.imageNamed("image.png"), UIControlState.Normal);
    }
  }
}
```

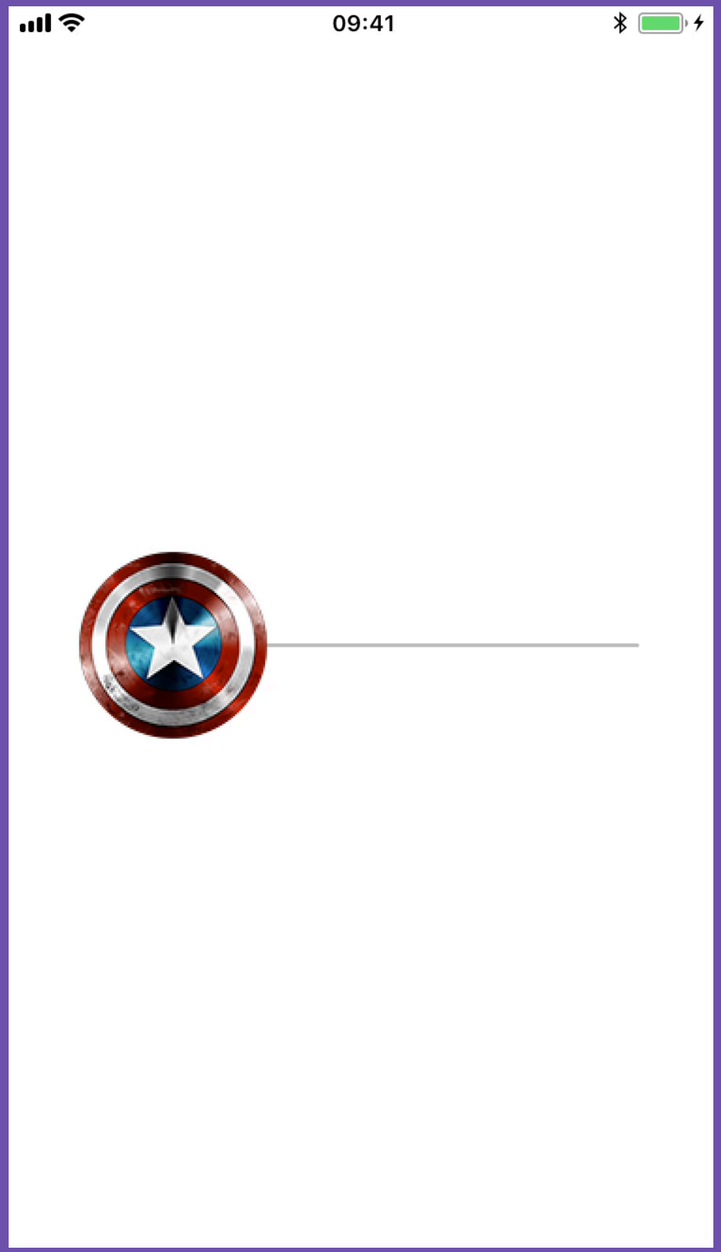
SLIDER.MODULE.TS

```
import { NgModule, NO_ERRORS_SCHEMA } from "@angular/core";
import { NativeScriptModule } from "nativescript-angular/nativescript.module";

import { SliderIconDirective } from "./slider.directive";

import { SliderRoutingModule } from "./slider-routing.module";
import { SliderComponent } from "./slider.component";

@NgModule({
  imports: [NativeScriptModule, SliderRoutingModule],
  declarations: [SliderComponent, SliderIconDirective],
  schemas: [NO_ERRORS_SCHEMA]
})
export class SliderModule {}
```


09:41

SLIDER.COMPONENT.HTML

```
<ActionBar>
    <NavigationButton visibility="collapsed"></NavigationButton>
</ActionBar>
<StackLayout>
    <AbsoluteLayout>
        <StackLayout #background class="captain" top="0" left="0"></StackLayout>
        <FlexboxLayout class="flexcontainer" top="0" left="0">
            <Slider slider-icon (valueChange)="onSliderChange($event)"></Slider>
        </FlexboxLayout>
    </AbsoluteLayout>
</StackLayout>
```

SLIDER.COMPONENT.CSS

```
.captain {
  background-image: url("~/assets/images/captain-america.jpg");
  background-repeat: no-repeat;
  background-position: center;
  background-size: cover;
  height: 100%;
  width: 100%;
  opacity: 0;
}
```

SLIDER.COMPONENT.CSS

```
.flexcontainer {
  justify-content: center;
  align-items: center;
  height: 100%;
  width: 100%;
}

Slider {
  width: 80%;
  background-color: #BC1A0F;
}
```

SLIDER.COMPONENT.TS

```
import { Component, OnInit, ViewChild, ElementRef } from "@angular/core";
import { Page } from "ui/page";
import { Slider } from "ui/slider";
import { StackLayout } from "ui/layouts/stack-layout";
import { TNSPlayer } from "nativescript-audio";

@Component({
  selector: "app-slider",
  moduleId: module.id,
  templateUrl: "slider.component.html",
  styleUrls: ["slider.component.css"]
})
```

SLIDER.COMPONENT.TS

```
export class SliderComponent implements OnInit {
  @ViewChild("background") background: ElementRef;
  private viewStack: StackLayout;
  private player: TNSPlayer;

  constructor(private page: Page) {}

  ngOnInit() {
    this.page.actionBarHidden = true;
    this.viewStack = this.background.nativeElement;
    this.player = new TNSPlayer();
    this.player.initFromFile({
      audioFile: "~/assets/audio/captain.mp3",
      loop: false
    });
  }
```

SLIDER.COMPONENT.TS

```
  onSliderValueChange(args) {
    let slider = <Slider>args.object;
    // opacity and volume range is 0 - 1
    let sliderValue = slider.value / 100;
    this.viewStack.opacity = sliderValue;
    if (Math.round(slider.value) > 0) {
      this.player.play();
      this.player.volume = sliderValue;
    } else {
      this.player.seekTo(0);
      this.player.pause();
    }
  }
}
```


PACKAGES
& LIBRARIES

NODE PACKAGE MANAGER

- commonly known as npm
- ready to use JavaScript modules
- about 650.000 packages of free, reusable code

ANDROID ARSENAL

- libraries for Android (Java / Kotlin)

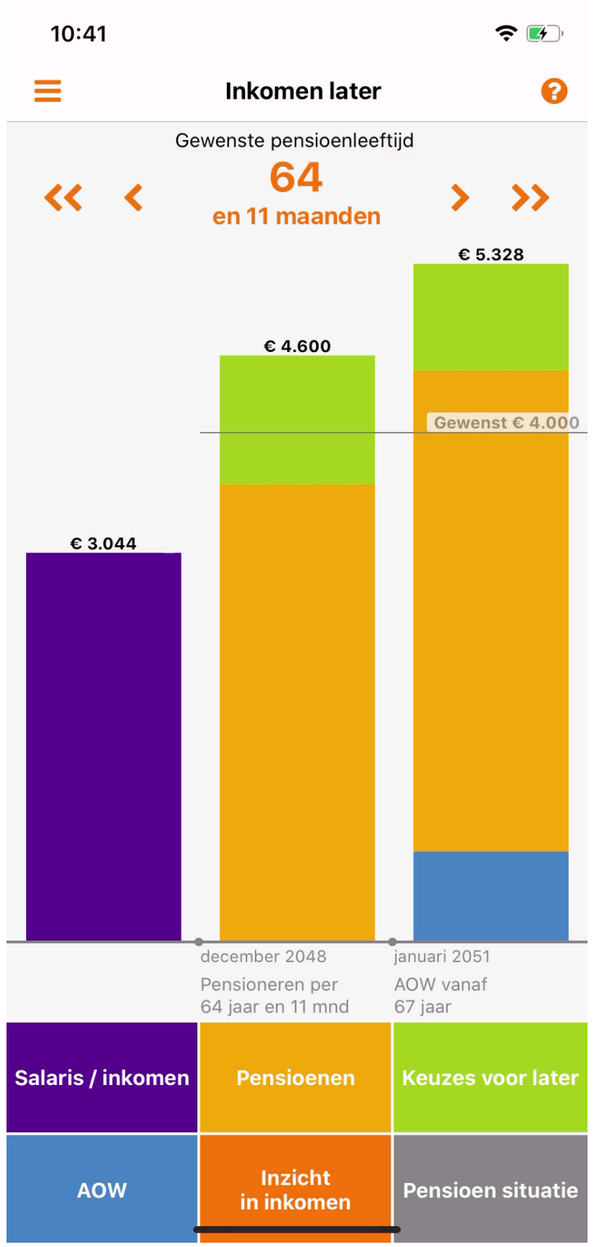
COCOAPODS

- libraries for iOS (Objective-C / Swift)


NGX-TRANSLATE

MULTILINGUAL: NGX-TRANSLATE

- internationalization library for Angular 2+
- define translations in different languages
- switch between them easily
- no hardcoded text/labels, all in one place
- start directly, even with one language


10:41
Inkomen later
Gewenste pensioenleeftijd
64
en 11 maanden
€ 5.328
€ 4.600
Gewenst € 4.000
€ 3.044
december 2048
Pensioneren per
64 jaar en 11 mnd
januari 2051
AOW vanaf
67 jaar
Salaris / inkomen
Pensioenen
Keuzes voor later
AOW
Inzicht
in inkomen
Pensioen situatie

MULTILINGUAL: NGX-TRANSLATE


```
{
  "CHART": {
    "BUTTONS": {
      "SALARY": "Salaris / inkomen",
      "PENSIONS": "Pensioenen",
      "CHOICES": "Keuzes voor later",
    },
  },
}
```

MULTILINGUAL: NGX-TRANSLATE


```
{
  "CHART": {
    "BUTTONS": {
      "SALARY": "Salary / income",
      "PENSIONS": "Pensions",
      "CHOICES": "Choices for later",
    },
  },
}
```

MULTILINGUAL: NGX-TRANSLATE


```
<Button [text]="'CHART.BUTTONS.SALARY' | translate" ></Button>
<Button [text]="'CHART.BUTTONS.PENSIONS' | translate"></Button>
<Button [text]="'CHART.BUTTONS.CHOICES' | translate"></Button>
```

[] = one way data binding in Angular

| = display-value transformations


NATIVESCRIPT
PLUGINS

WHAT ARE {N} PLUGINS?

When the NativeScript core modules do not provide the native device or platform capability that you need, you can use plugins.

- **usually for both iOS and Android**
- **JavaScript interface to native platform code**


VERSION-NUMBER
PLUGIN

VERSION-NUMBER PLUGIN

- version-number.d.ts
- version-number.ios.ts
- version-number.android.ts
- package.json

VERSION-NUMBER.D.TS

```
export declare class VersionNumber {
    constructor();

    getVersion(): string;
}
```

VERSION-NUMBER.IOS.TS

```
declare let NSBundle: any;

export class VersionNumber {
    constructor() {}

    getVersion(): string {
        let version = NSBundle.mainBundle.objectForInfoDictionaryKey(
            "CFBundleShortVersionString"
        );
        return version;
    }
}
```

VERSION-NUMBER.IOS.TS

```
declare let NSBundle: any;

export class VersionNumber {
    constructor() {}

    getVersion(): string {
        let version = NSBundle.mainBundle.objectForInfoDictionaryKey(
            "CFBundleShortVersionString"
        );
        return version;
    }
}
```

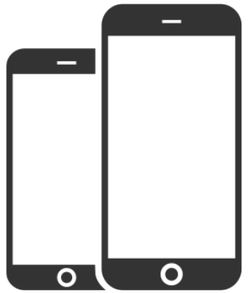
NSBUNDLE

NSView, NSStackView, NSButton, NSImageView, NSSwitch, NSMenu, NSStatusBar, NSPanel, NSWindowTab, NSAlert, NSColorPicker, NSAnimationEffect, NSSpeechRecognizer, NSHapticFeedbackPerformer, ...


NEXT STEP
SIDESTEP


next


tv




CERN
World Wide Web Initiative
About the Laboratory:
Hot News
Activities:
EIZO


21
AMMO
45%
HEALTH
2 3 4
5 6 7
ARMS
4%
ARMOR
BULL 0 / 200
SHEL 21 / 50
RCKT 1 / 50
CELL 20 / 300

VERSION-NUMBER.ANDROID.TS

```
import * as application from "tns-core-modules/application";

declare let android: any;
declare let java: any;

export class VersionNumber {
    constructor() {}

    getVersion(): string {
        let PackageManager = android.content.pm.PackageManager;
        let pkg = application.android.context
            .getPackageManager()
            .getPackageInfo(
                application.android.context.getPackageName(),
                PackageManager.GET_META_DATA
            );
        return java.lang.Integer.toString(pkg.versionCode);
    }
}
```

VERSION-NUMBER.ANDROID.TS

```
import * as application from "tns-core-modules/application";

declare let android: any;
declare let java: any;

export class VersionNumber {
    constructor() {}

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            .getPackageInfo(
                application.android.context.getPackageName(),
                PackageManager.GET_META_DATA
            );
        return java.lang.Integer.toString(pkg.versionCode);
    }
}
```

ANDROIDMANIFEST.XML

```
<?xml version="1.0" encoding="utf-8"?>
<manifest
   xmlns:android="http://schemas.android.com/apk/res/android"
   android:versionCode="2">
   ....
</manifest>
```

PACKAGE.JSON

```
{
  "name": "nativescript-version-number",
  "version": "1.0.0",
  "main": "version-number",
  "typings": "version-number.d.ts",
  "nativescript": {
    "platforms": {
      "android": "6.0.0",
      "ios": "6.0.1"
    }
  }
  ....
}
```

INSTALL

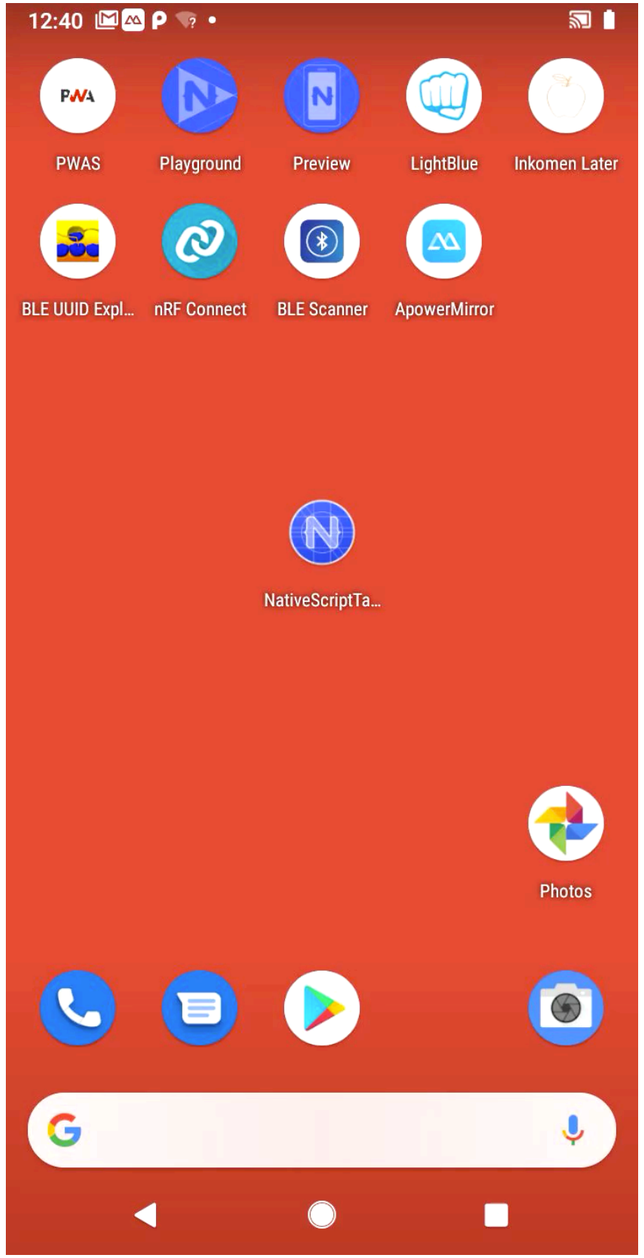
```
# install from NPM
tns plugin add nativescript-version-number


# install from local
tns plugin add ../nativescript-version-number
```

USAGE

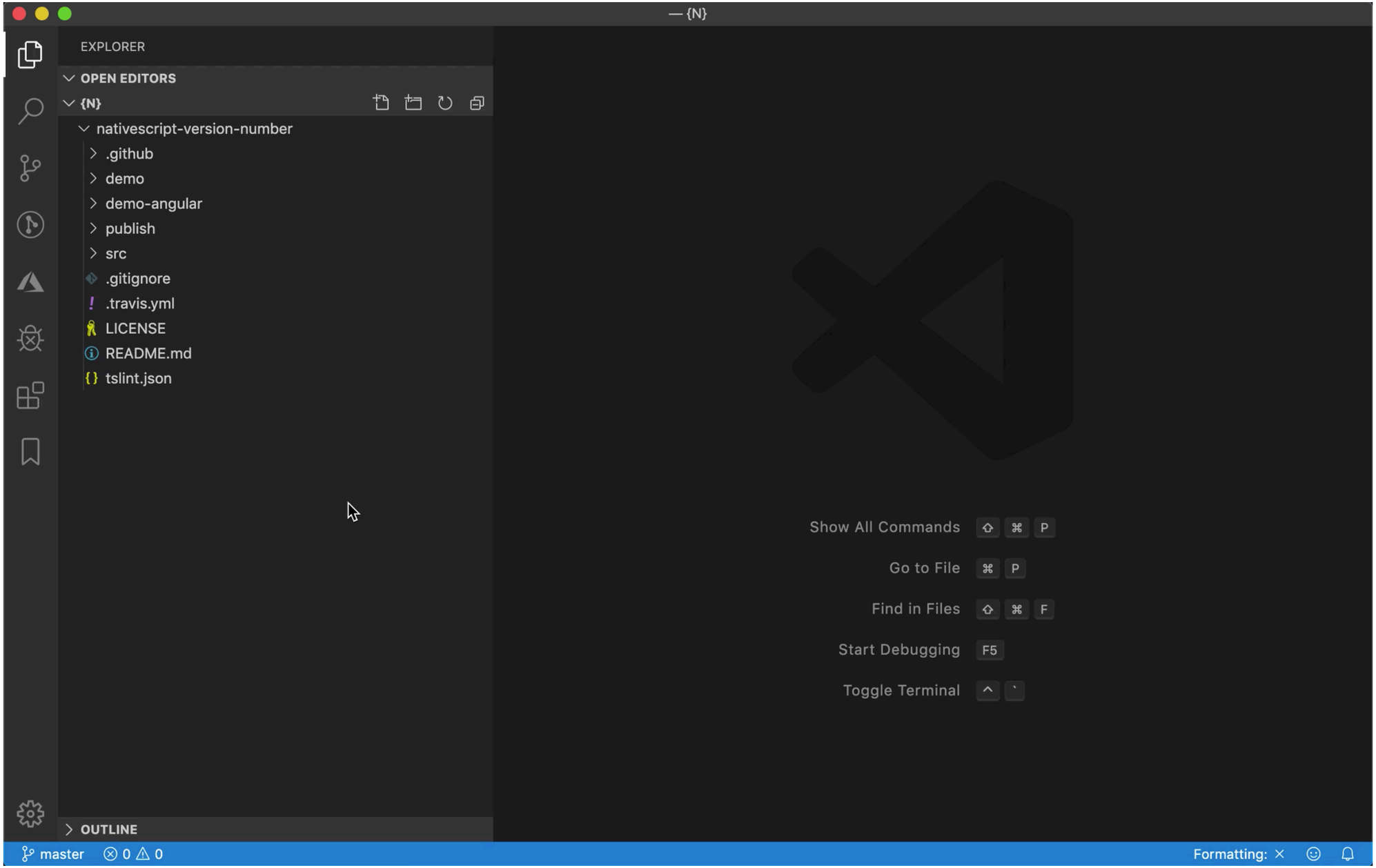
```
import { VersionNumber } from "nativescript-version-number";

const version = new VersionNumber().getVersion();
```

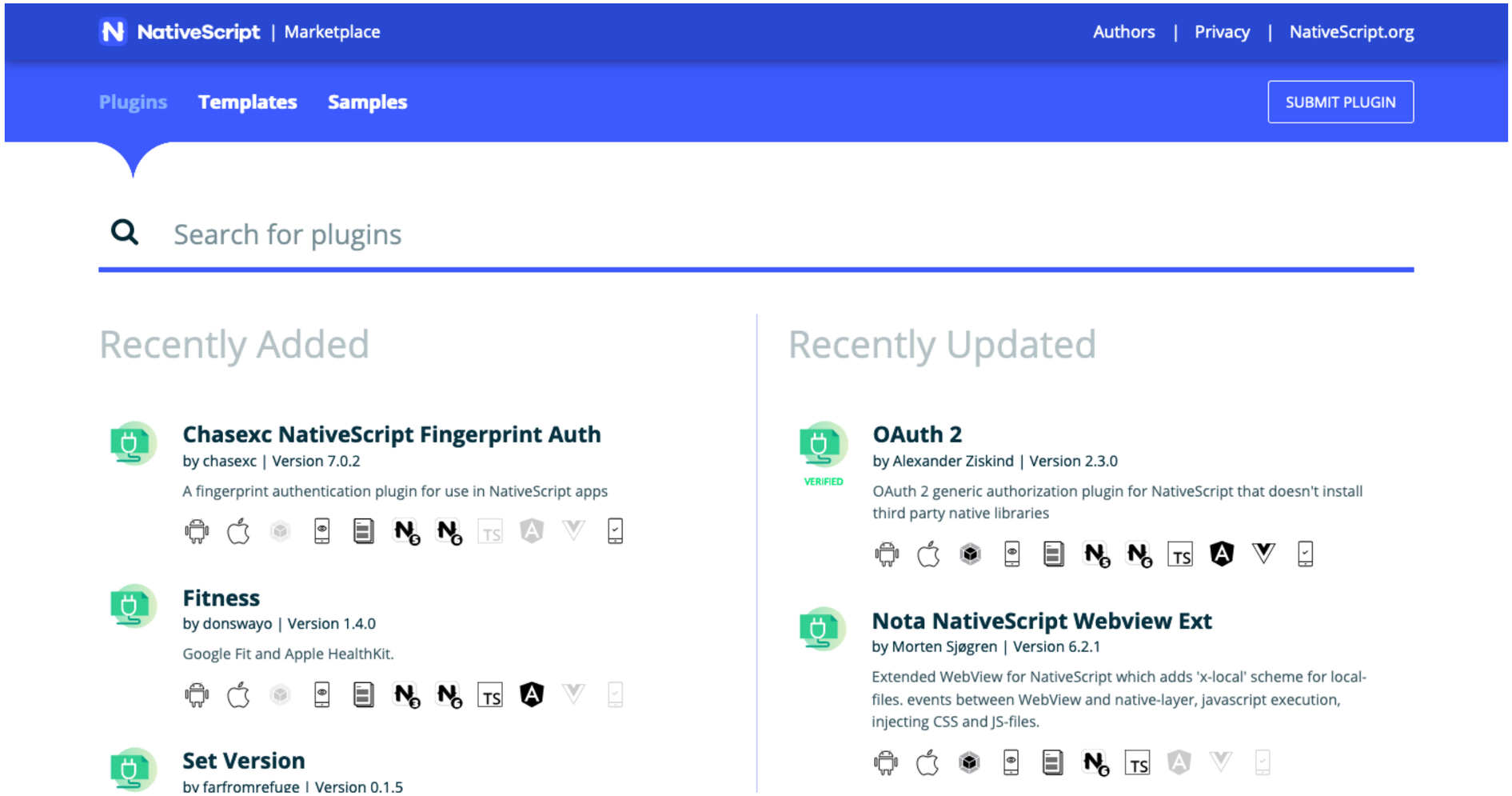

12:40
PWAS
Playground
Preview
LightBlue
Inkomen Later
BLE UUID Expl...
nRF Connect
BLE Scanner
ApowerMirror
NativeScriptTa...
Photos


PLUGIN
BOILERPLATE


Skynet-2:{N} rowdy$ tns plugin create nativescript-version-number


— {N}
EXPLORER
OPEN EDITORS
{N}
nativescript-version-number
.github
demo
demo-angular
publish
src
.gitignore
.travis.yml
LICENSE
README.md
tslint.json
OUTLINE
Show All Commands ⇧ ⌘ P
Go to File ⌘ P
Find in Files ⇧ ⌘ F
Start Debugging F5
Toggle Terminal ^ `
master
0 0
Formatting:

NATIVESCRIPT MARKETPLACE



NATIVESCRIPT MARKETPLACE

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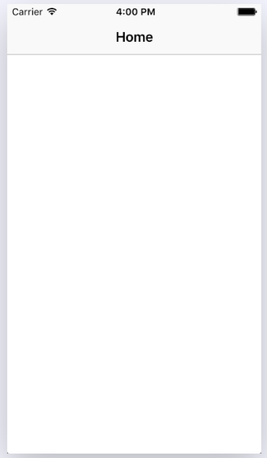
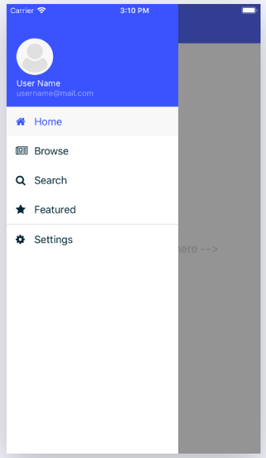
ALL **GENERAL** HEALTHCARE



Blank

by NativeScript Team | Version 6.2.4

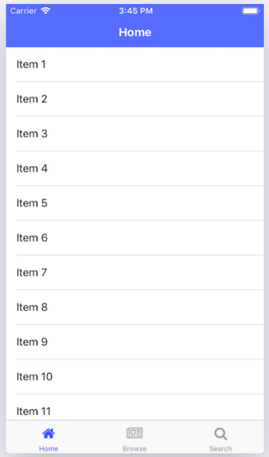
Blank template for NativeScript apps using Angular



Drawer Navigation

by NativeScript Team | Version 6.2.4

Side navigation template



Tab Navigation

by NativeScript Team | Version 6.2.4

Tabbed interface template

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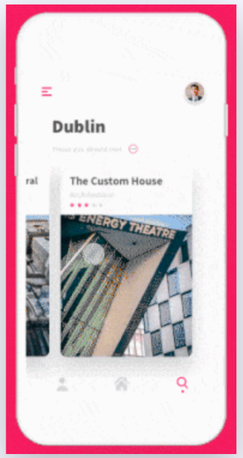
FRAMEWORKS

All Angular Vue Core React

CATEGORIES

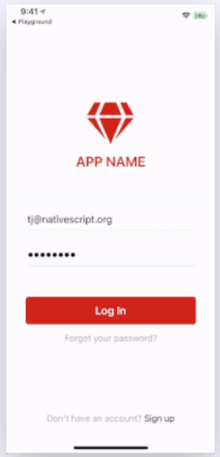
All Layouts & Pages Forms & Data Interaction Animations Media



Animated Search

by Clément Roche

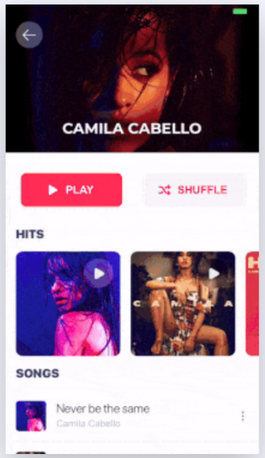
Rich animations power this city guide sample app, including a card-based UI.



Building a Good-Looking Login Form

by Multiple authors

A good looking login/registration experience is a must have for any app. Here is a simple yet elegant looking login form example.



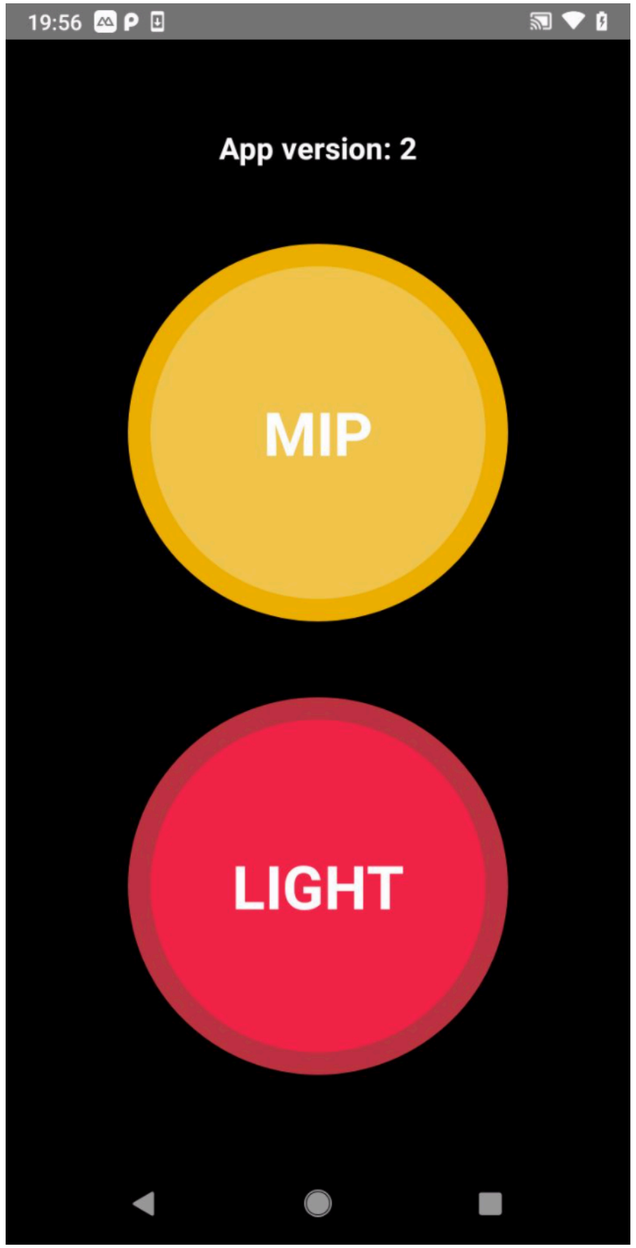
Music Streaming App

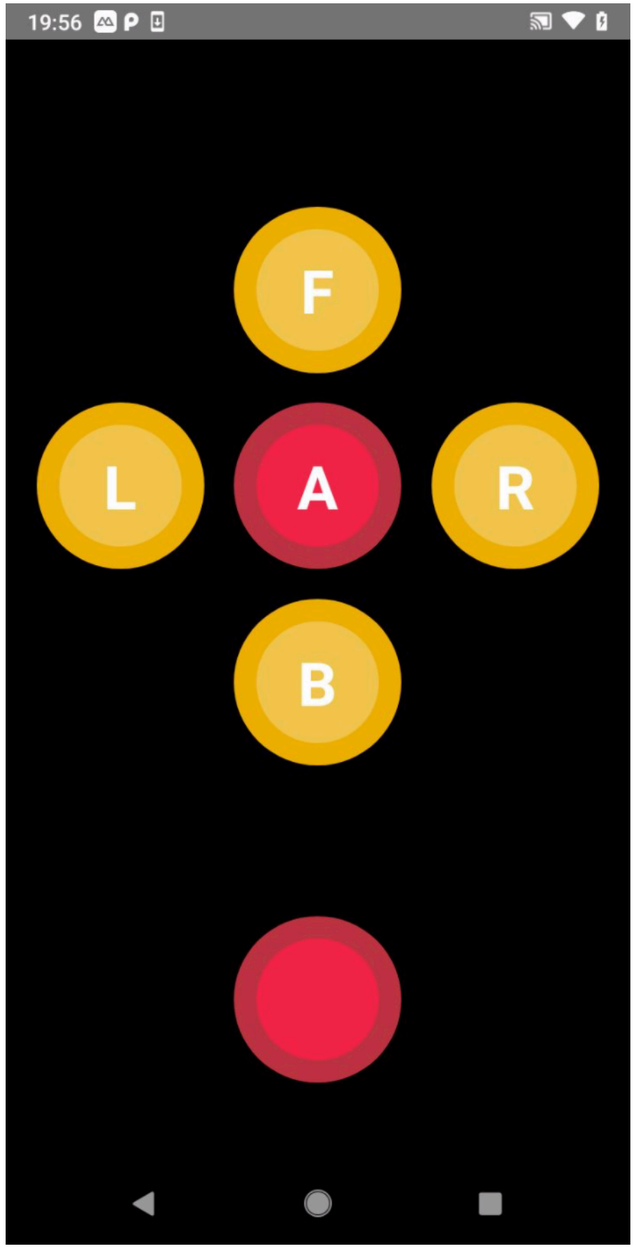
by Yassine Zanina

This sample app contains an amazing design for to help boostrap the next great music streaming app.

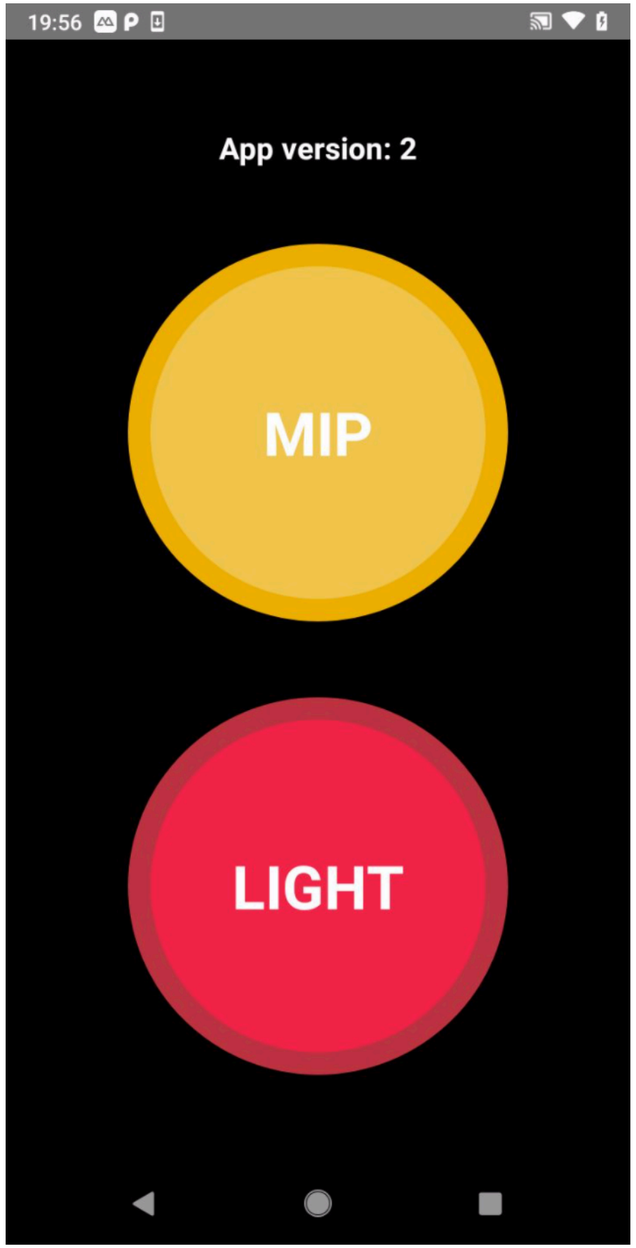

{N} PLUGINS
DEMO

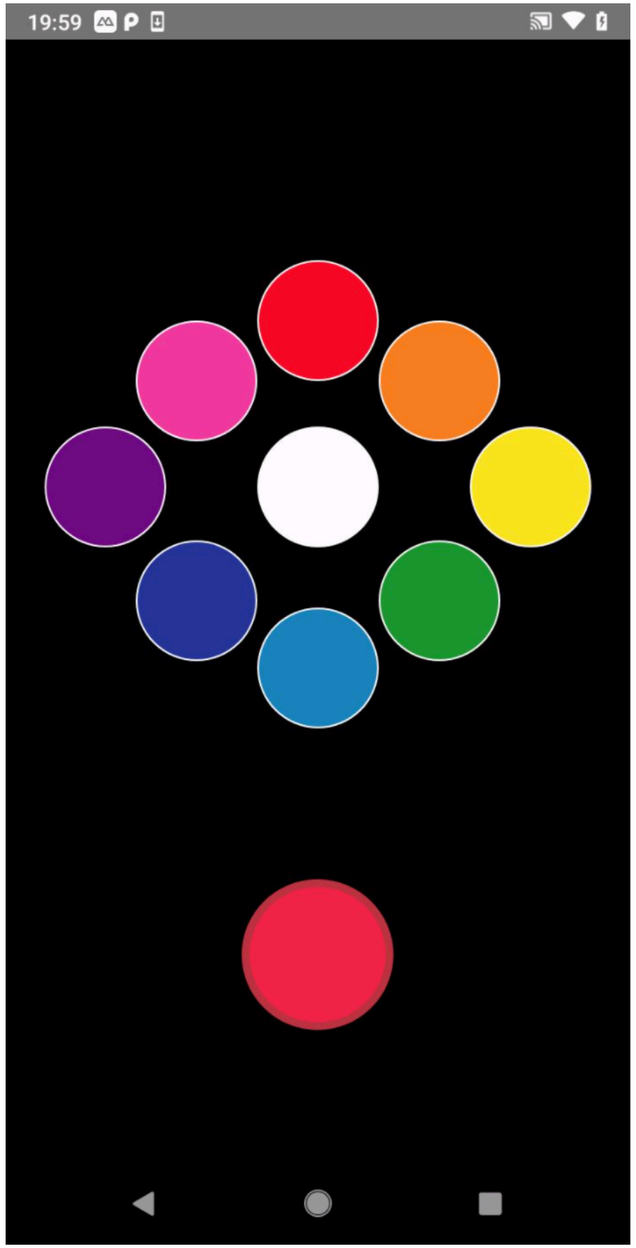

MiP
WowWee


19:56
App version: 2
MIP
LIGHT


19:56
F
L
A
R
B


PHILIPS
Hue white
and color


19:56
App version: 2
MIP
LIGHT


19:59

NATIVESCRIPT-BLUETOOTH

```
import * as bluetooth from "nativescript-bluetooth";

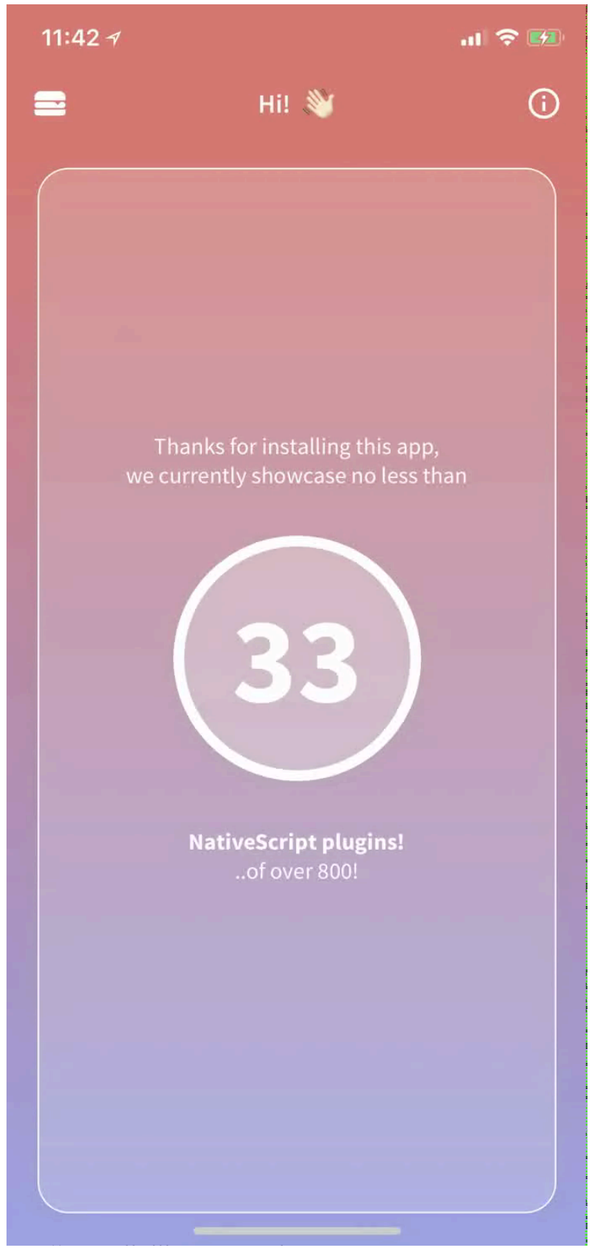
bluetooth.startScanning({
  seconds: 4,
  onDiscovered: peripheral => {
    if (peripheral.UUID == "CA9F644C-1920-4572-8833-1D137A6T2A05") {
      bluetooth.connect({
        UUID: peripheral.UUID,
        onConnected: peripheral => {
          bluetooth.stopScanning();
          // do stuff
        }
      });
    }
  }
});
```

NATIVESCRIPT-ACCELEROMETER

```
import { startAccelerometerUpdates } from "nativescript-accelerometer";

startAccelerometerUpdates(data => {
  // lean left (0 to -1) / right (0 to 1)
  let leftOrRight = data.x;
  // lean forward (0 to -1) / back (0 to 1)
  let forwardOrBack = data.y;
  // do stuff
});
```


GITHUB.COM
EDDYVERBRUGGEN
NATIVESCRIPT-PLUGINSHOWCASE


11:42
Hi!
Thanks for installing this app,
we currently showcase no less than
33
NativeScript plugins!
..of over 800!

#FrontendCon 2019 - @rowdyrabouw

#FrontendCon 2019 - @rowdyrabouw


#FrontendCon 2019 - @rowdyrabouw