da web a mobile nativo in zero secondi

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{N}ativeScript

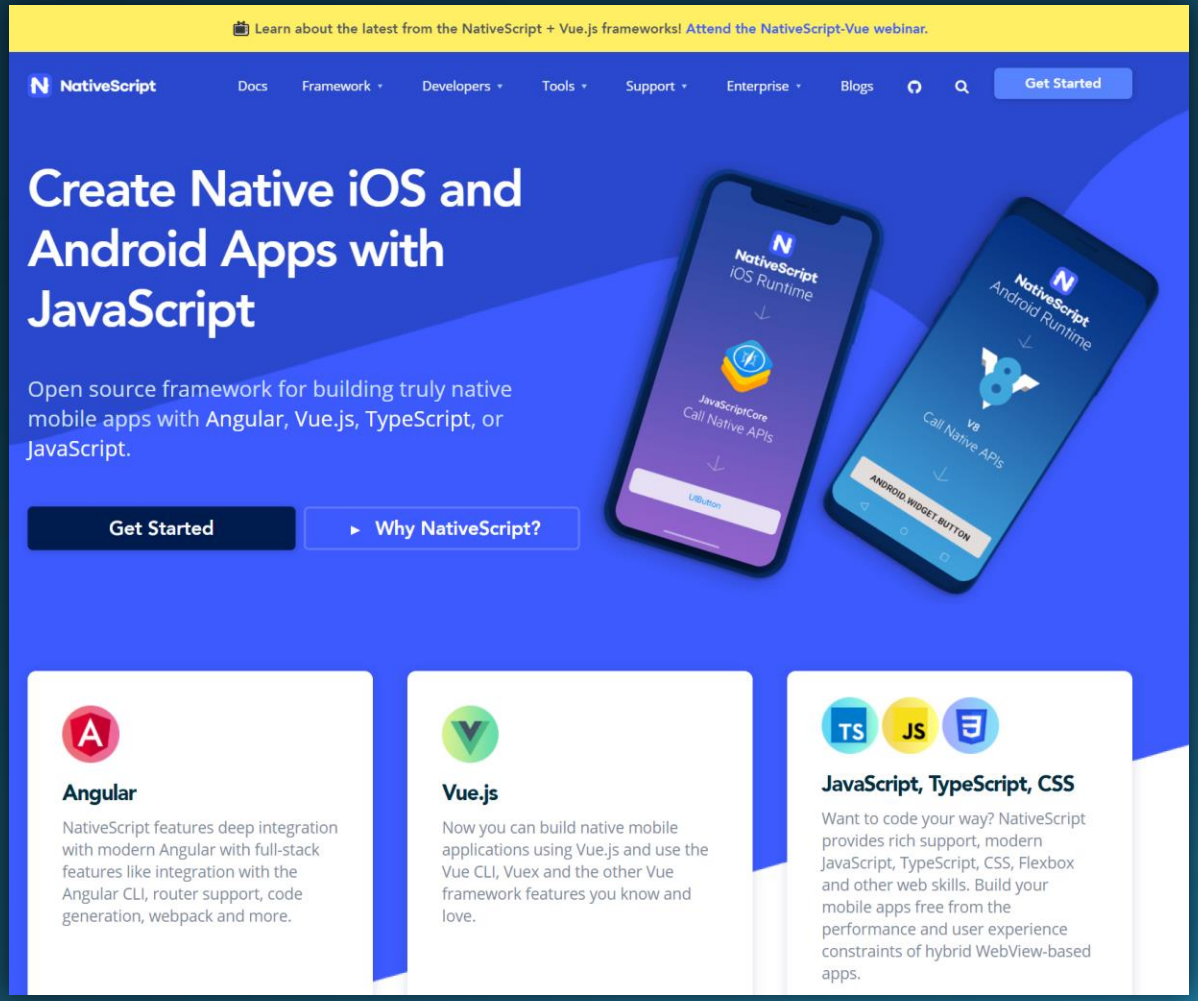
Prima di iniziare

Conoscete NativeScript?

Capitolo 1

Introducendo NativeScript

https://www.nativescript.org



- App native iOS e Android

- Angular
- Vue.js
- JavaScript
- TypeScript

Perchè?

- Performance native
- Cross-Platform
- Estensibile (*100% accesso diretto alle API iOS e Android*)
- Free e Open Source
- Facile da imparare (*JavaScript, CSS e Native UI markup*)
- Plugins marketplace and Templates ☺

Cosa serve

- Windows 10 (Win7 min)
- macOS High Sierra 10.13 (10.12 min)
- Ubuntu 16.04
- iOS 11 SDK (Xcode 9)
- Android 6.0 SDK API level 23 (4.2 – level 17 min)
- Android Studio, SDK build tools 28> e virtual Devices

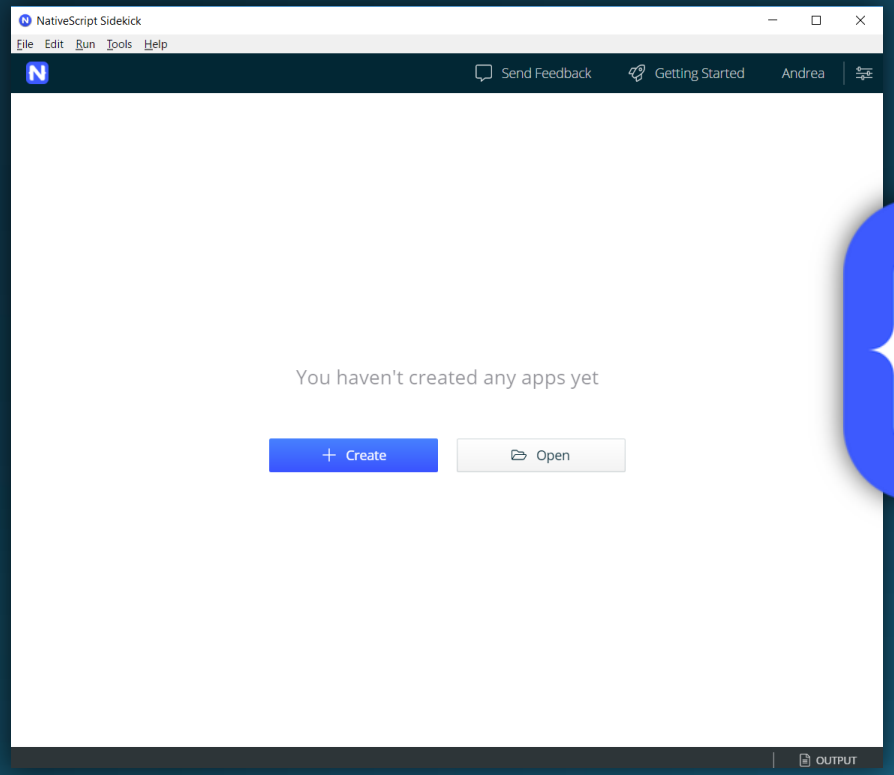
- Node.js
- NativeScript CLI
  - `npm install -g nativescript`

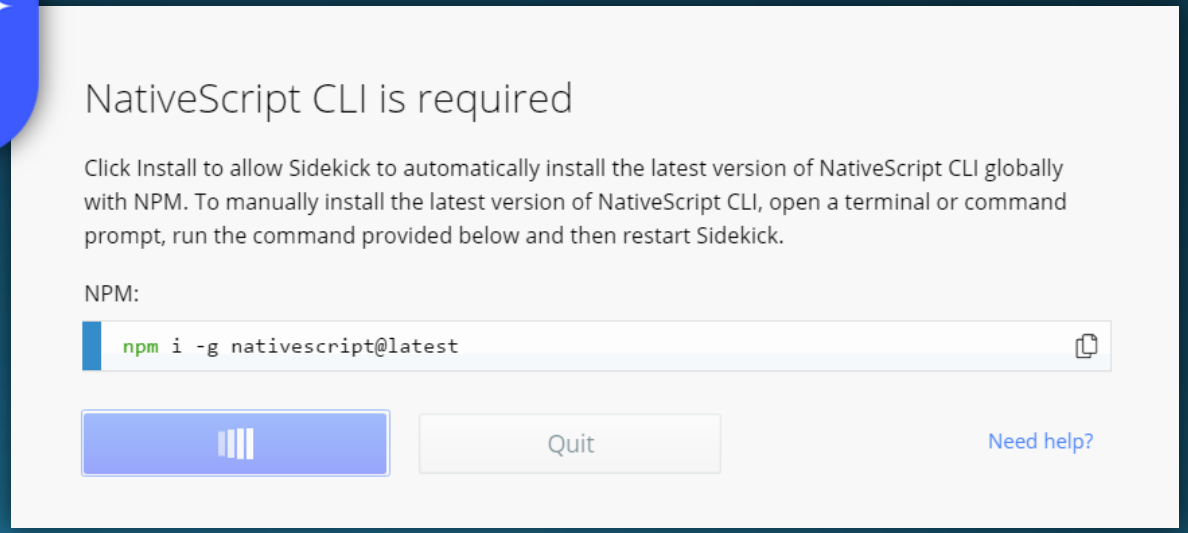
Come funziona

Dalla CLI a NativeScript Sidekick

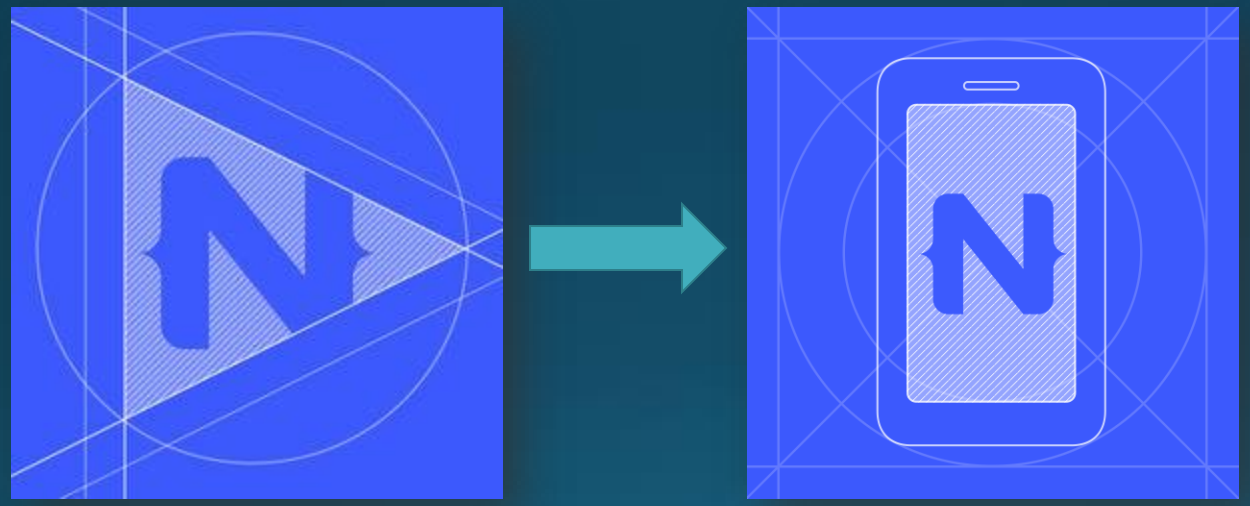
```
tns create HelloWorld –template tns-template-blank-ng
```

```
tns preview
```





Apps a supporto



Playground

Preview

DEMO

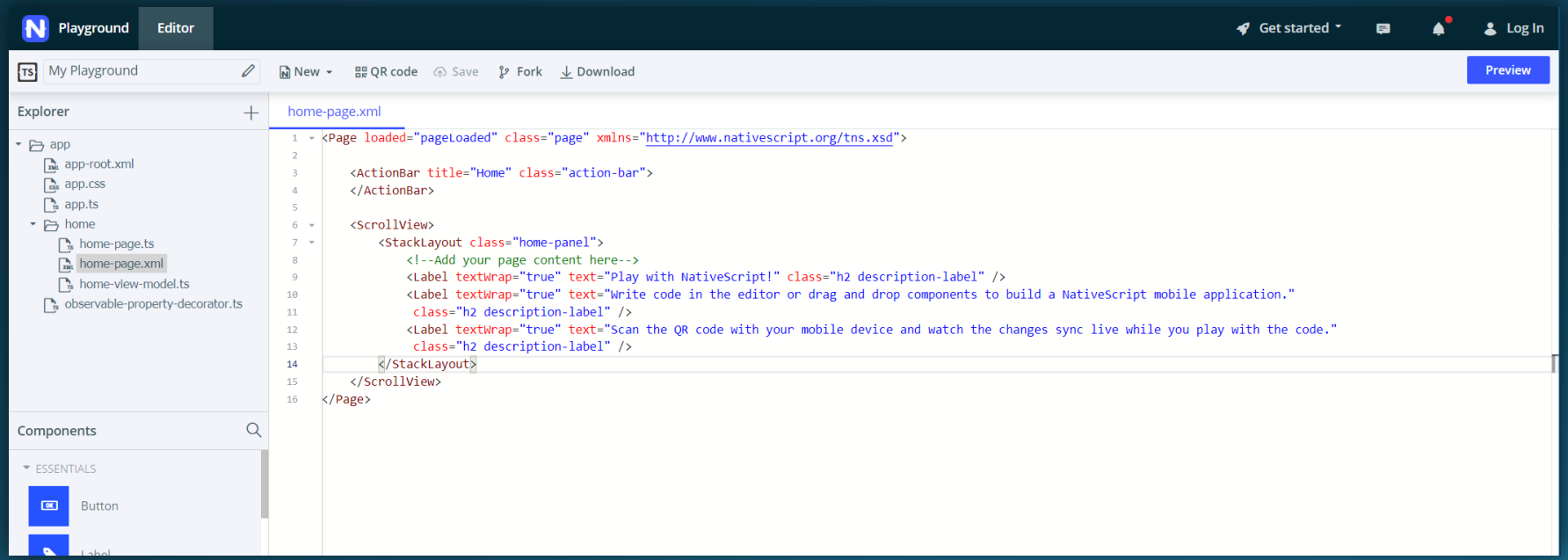
NativeScript Sidekick Playground & Preview

Capitolo 2

Visual Studio Code & NativeScript

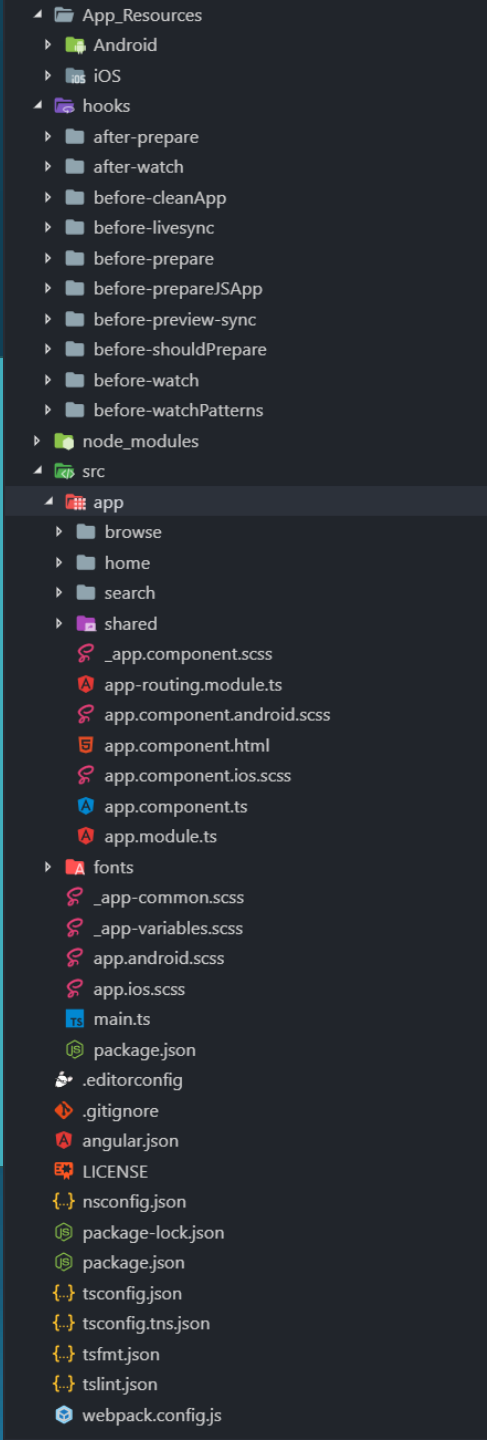
NativeScript Playgroud

- Editor online
- Preview su app “NativeScript Playground”
- Build online Android e iOS



Struttura del progetto

- App_Resources
  - Android
  - iOS
- hooks
- node_modules
- src



Concetti di base

- Navigazione
- Data Binding
- Markup
- Plugins
- Accesso alle API native
- Error Handling

Capitolo 3

NativeScript Markup

Markup

Layouts

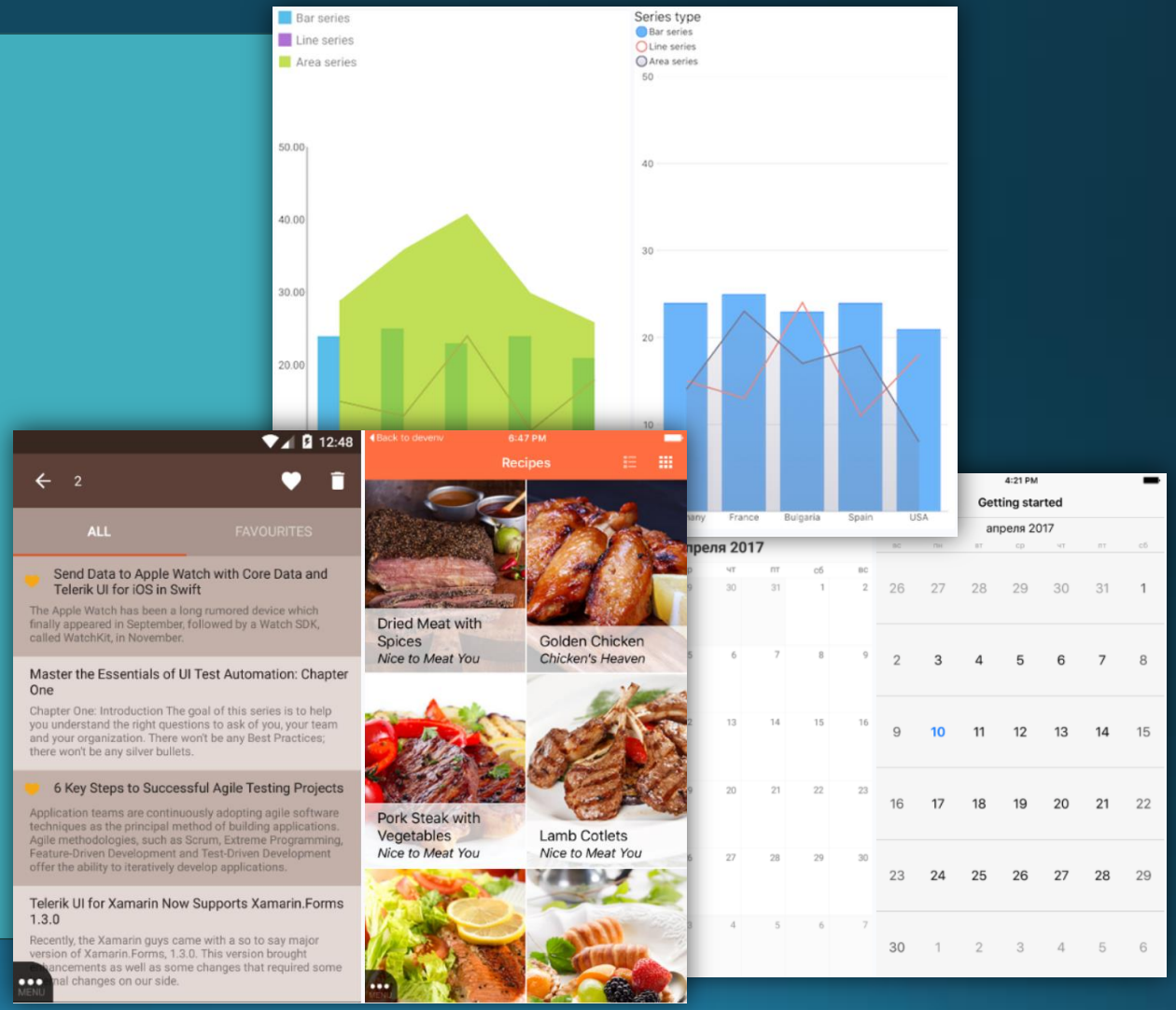
- FlexboxLayout
- AbsoluteLayout
- DockLayout
- GridLayout
- StackLayout
- WrapLayout

UI Widgets

- ActionBar
- ActivityIndicator
- Animations
- Button
- DatePicker
- Dialogs
- FormattedString
- Gestures
- HtmlView
- Image
- Label
- ListPicker
- ListView
- Progress
- ScrollView
- SearchBar
- SegmentedBar
- Slider
- Styling
- Switch
- TabView
- TextField
- TextView
- TimePicker
- WebView
- NG Directives

Professional UI Components (free)

- RadSideDrawer
- RadListView
- RadCalendar
- RadChart
- RadAutoCompleteTextView
- RadDataForm
- RadGauge



Styling

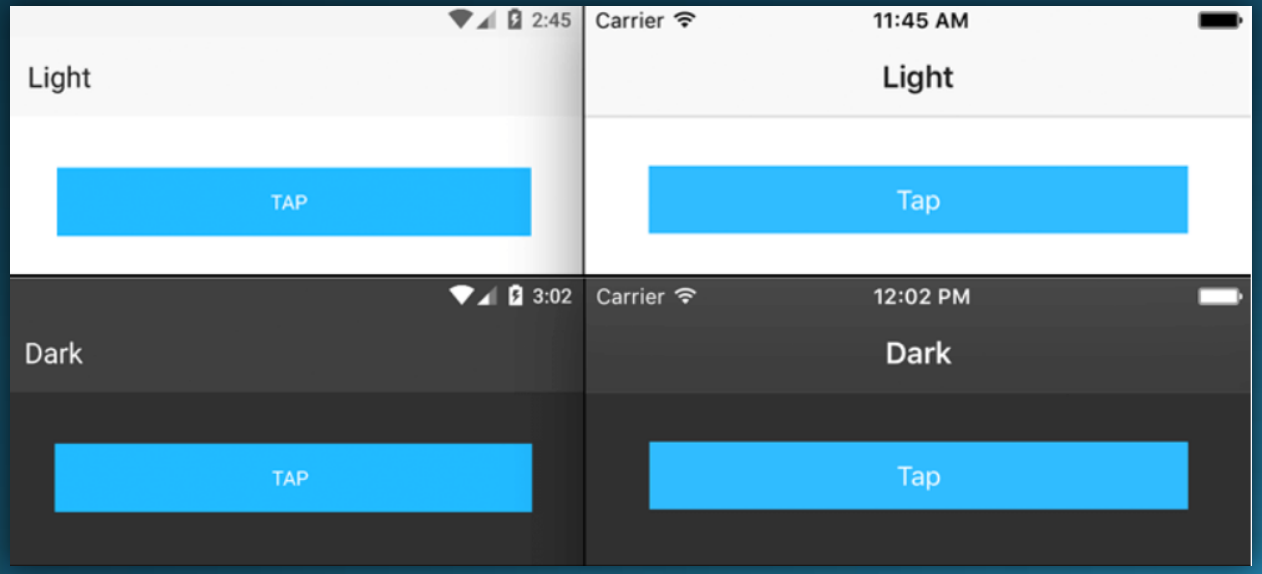
- CSS applicabili a 3 differenti livelli
  - Application-wide CSS
  - Component-specific CSS
  - Inline CSS

  - Platform-specific CSS

- Supporto ai Selectors (type, class, id, hierarchical, attribute)
- Import CSS
- Using SASS

Themes

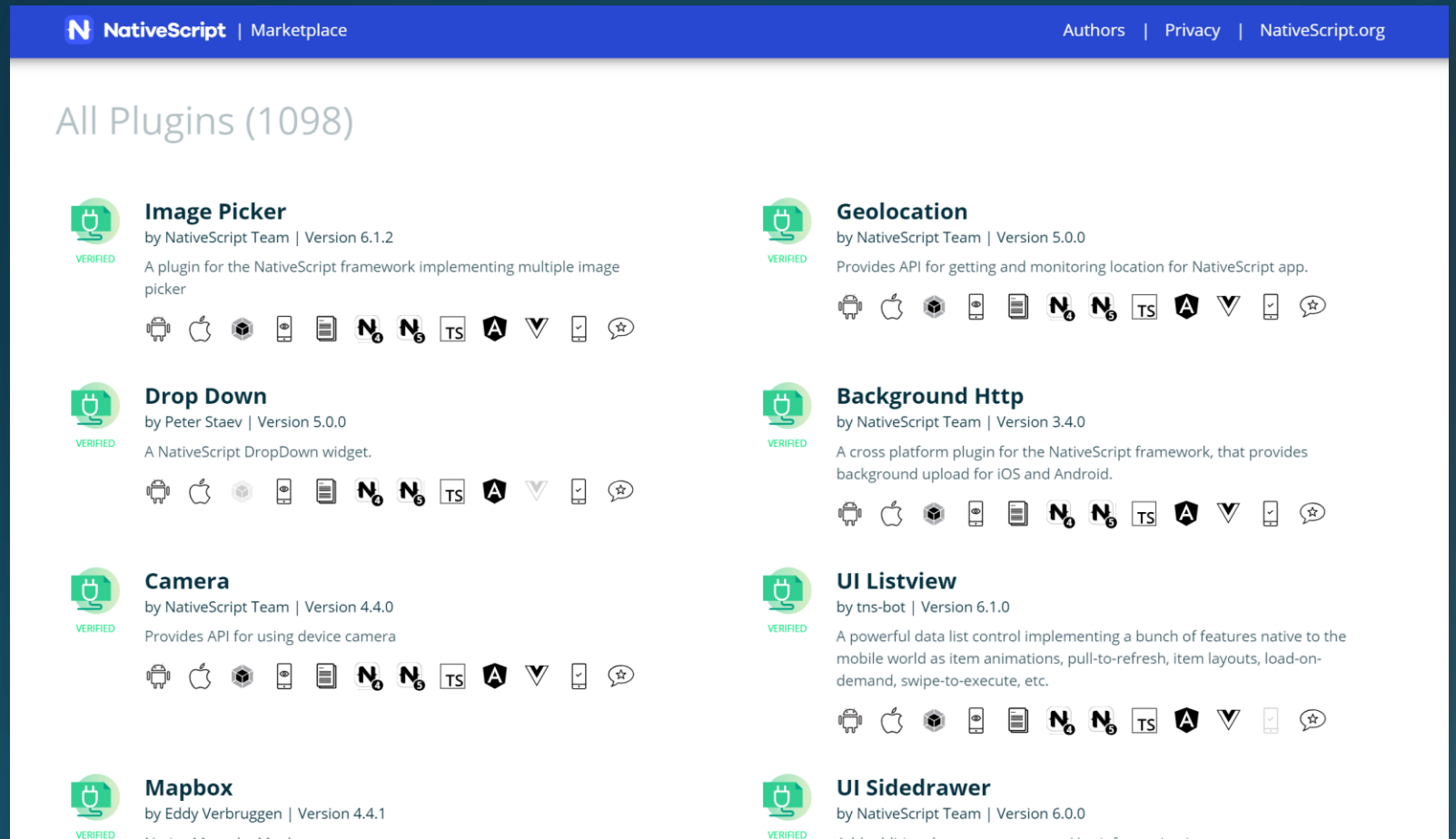
- 2 schemi standard inclusi nel tema core (Light, Dark)
- 11 schemi colori inclusi
  - acqua, blue, brown, forest, grey, lemon, lime, orange, purple, ruby, sky
- working on Angular Material



COLOR SCHEME	NS_PRIMARYDARK VALUE
Light	#F8F8F8
Dark	#303030
Aqua	#00caab
Blue	#3d5afe
Brown	#795548
Forest	#006968
Grey Dark	#5c687c
Purple	#8130ff
Lemon	#ffea00
Lime	#aee406
Orange	#f57c00
Ruby	#ff1744
Sky	#30bcff

Plugins

- https://market.nativescript.org/?tab=plugins



DEMO

NativeScript Markup

Capitolo 4

from Angular web to NativeScript

I Passi da fare

- Migrare la struttura del progetto
  - `ng add @nativescript/schematics --sample`
  - `ng serve -o`
- Validare il progetto
  - `tns run android --bundle`
- Migrazione dei contenuti
    - navigation
    - components
    - modules
  - `ng g migrate-component --name={component-name}`

APP DEMO

Angular → {N}

DotNet Liguria

Ordine Ingegneri Genova

Q & A

{N}grazie