NativeScript

Community Chat 12/02/2020

NativeScript 8.0 plan ~ Q1 2021
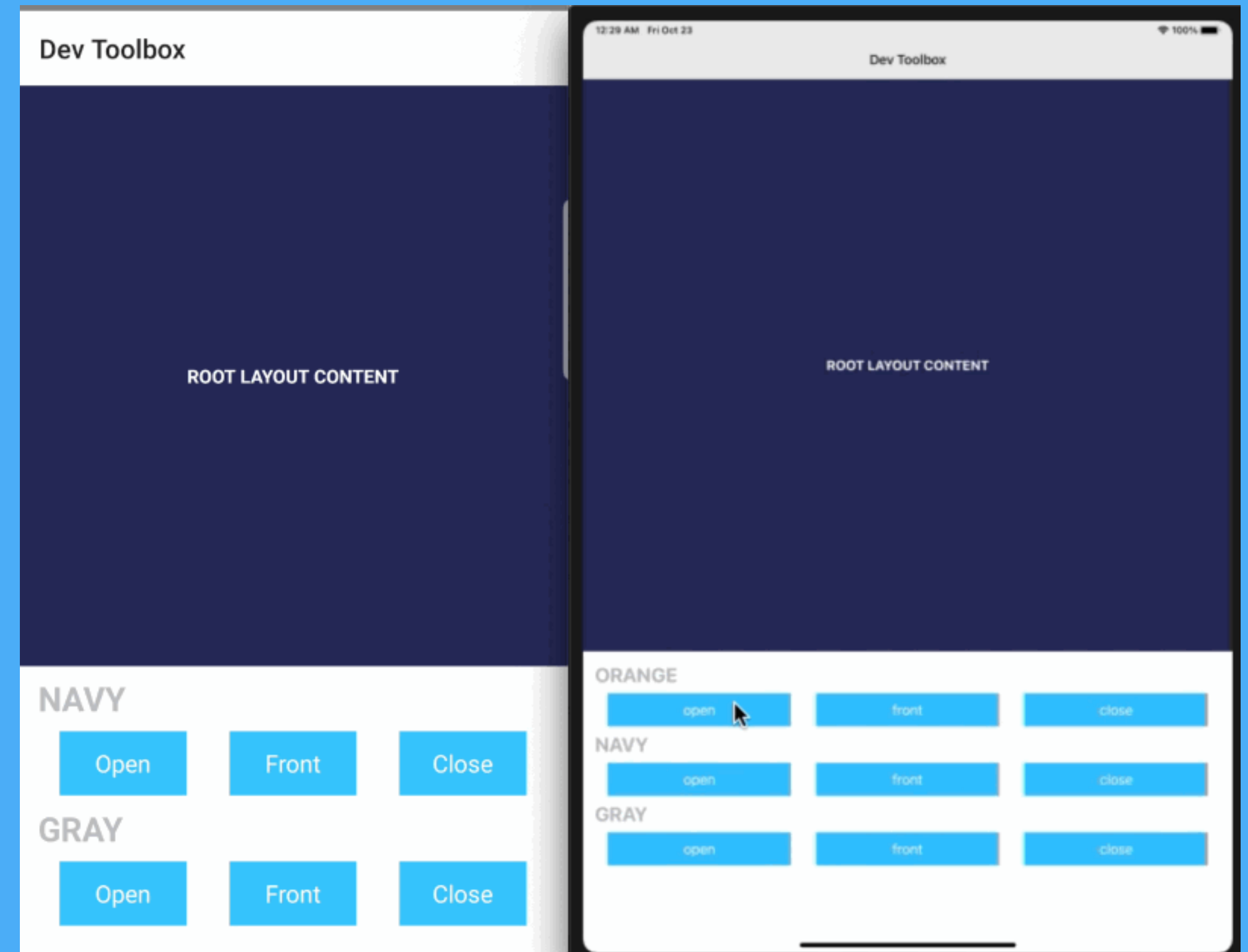
- @nativescript/core

  - 🚀 Features

    - First class a11y support

    - Long requested CSS support:

      - Text-shadow

      - Box-shadow (asked for since 2015)

    - RootLayout

      - A new layout container which can be dropped in as the root layout for your entire app to provide dynamic view layering control with ease

NativeScript 8.0 plan ~ Q1 2021

- Nativescript CLI

  ◦ Silicon Mac support

  ◦ nativescript.config.ts
     more extensible options.

          For example >

```typescript
import { NativeScriptConfig } from '@nativescript/core'

export default {
  id: 'org.nativescript.app',
  // ...
  cli: {
    packageManager: 'yarn',
  },
  build: {
    android: {
      copyTo: './dist/android',
      keyStorePath: './keys/android.keystore',
      keyStoreAlias: 'my_ns_project',
      release: true,
      env: {
        production: true
      }
    },
    ios: {
      // ...
    }
  }
} as NativeScriptConfig
```

NativeScript 8.0 plan ~ Q1 2021

- @nativescript/webpack

  ○ Webpack 5 support

  ○ Easy to manage and extensible
        webpack.config.js >

  ○ Plugins will be able to hook into
    them as well using

    nativescript.webpack.js >

https://github.com/NativeScript/rfcs/pull/2

```
const webpack = require("@nativescript/webpack");

module.exports = (env) => {
  webpack.init(env);

  // Customizations example: force production mode
  webpack.chainWebpack((config, env) => {
    config.mode('production')
  });

  return webpack.resolveConfig();
};
```

```
// Example: nativescript-plugin/nativescript.webpack.js

module.exports = (webpack) => {
  // make changes to the project's webpack.config.js
  webpack.chainWebpack((config, env) => {
      // add a new rule for svg files
      config.module
          .rule('svg')
          .test(/\.svg$/)
          .use('svg-loader')
          .loader('svg-loader')
  }/*, options */)
}
```

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- @nativescript/theme 4.0

  ▪ Based on Tailwind CSS

```
<StackLayout class="p-8 bg-white">
  <Label text="TailwindCSS is awesome!"
      class="text-center bg-blue-200 text-blue-600 px-2 py-1 rounded-full" />
</StackLayout>
```

TailwindCSS is awesome!

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- @nativescript/ionic

  ○ Official Ionic integration support

```
import { native } from '@nativescript/ionic';

// iOS
native.AVAudioSession.shared
  .setCategory(
    native.AVAudioSessionCategoryOptions.MixWithOthers
  );

// Android
native.android.hardware.Camera.CameraInfo.CAMERA_FACING_FRONT
```

  ○ https://nativescript.org/ionic/

NativeScript 8.0 plan ~ Q1 2021

Rewriting 📓 Docs from ground up 👀

🚀🚀 NativeScript Official RFC Process 🚀🚀

Managing large open source projects is not easy!

Feature requests, discussions easily get lost
when filed along with issues/questions.

https://github.com/NativeScript/rfcs

https://github.com/NativeScript/NativeScript/issues/9063

Q&A