Quickies

Philipp Höhne for Zurich Ionic Meetup, 2019-03-21

Blog: http://blog.hoehne.ch

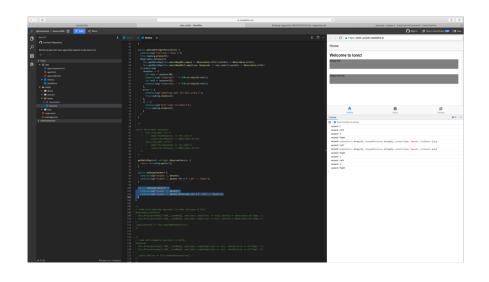


What you will learn

- Ionic 4 Playground: stackblitz.com
- Bringing back hammerjs in Ionic 4
- Pitfalls when building for iOS
- RxJs -Observable.forkJoin(): Error handling

stackblitz.com

- 'VS Code' in the browser -



- Ionic 4 (Angular, React, RxJs, ...)
- Dependencies (hammerjs, momentjs etc.) can be installed
- Live reload
- Console output but no other tools for debugging
- No live reload when opening preview in separate window
- No Cordova (of course not, it's inbrowser)

My Bonnie is over the ocean...

- Bring back HammerJS -
 - In Ionic 4 binding to gestures like (swipe)="..." will fail because of missing HammerJs
 - DO:

• DO NOT:

import { Hammer } from "hammerjs" // or the like...

• Demo: https://stackblitz.com/edit/ionic-gqmb6h

Building for iOS pitfalls - Xcode 10.x / New build system -

Emulating for iOS with

ionic cordova emulate ios

may fail with an error message like:

[...]/platforms/ios/build/emulator/MyApp.app/Info.plist file not found.

Solution:

ionic cordova emulate ios -- --buildFlag="-UseModernBuildSystem=0"

Discussion & Solutions (among others):

https://github.com/apache/cordova-ios/issues/407

Building for iOS pitfalls

- Xcode 10.x / New build system
- The issue described affects emulating only, 'build' works fi
- Upgrading to Cordova 9.0.0.0 and removing & re-adding ios platform solved the problem for me (upgrades to ios 5.0.0 as of 2019-03-23)

UPDATE!

- BUT: this may break your app because there are cordova plugins out there (e.g. OneSignal) which are not yet compatible with this version
- Note: Apple will refuse application not created with the 'Modern build system' in near (?) future

Building for iOS pitfalls - 'Error code 65' -

You try an innocent ionic cordova build ios and get:

CordovaError: Promise rejected with non-error: 'Error code 65 for command: xcodebuild with args: -exportArchive,-archivePath,MyApp.xcarchive,-exportOptionsPlist,[..]/platforms/ios/exportOptions.plist,-exportPath,/Users/dorian/Documents/Projects/ionic4/meetup20190321/platforms/ios/build/device'

at cli.catch.err (/usr/local/lib/node_modules/cordova/bin/cordova:30:15) at processTicksAndRejections (internal/process/next_tick.js:81:5) [ERROR] An error occurred while running subprocess cordova.

And the solution is... (ta, ta, ta!): Unplug your iOS Device!

[seriously!]

Building for iOS pitfalls

- Resources -

Building resources with

ionic cordova resources ios

will fail with a cryptic error message if:

- resources/icon.png is not at least 1024 x 1024
- resources/splash.png is not at least 2732×2732px



Documentation https://ionicframework.com/docs/cli/commands/cordova-resources doesn't make that clear: "The source image for icons should ideally..."

Observable.forkJoin() - all or nothing -

forkJoin() lets you wait for a set of async operations to

 Issue is: if one of the async operations fails then we won't have any results at all...

Observable.forkJoin()

- Treat individually -
- Return success or error object as new Observable:

- Note: Get data in success case with response.value, check for error with response.error
- Demo: https://stackblitz.com/edit/ionic-gqmb6h

Links

- Stackblitz: https://stackblitz.com
- Joshua Morony Handling Gestures in Ionic & Angular with HammerJS: https://youtu.be/TdORJC-J1gg