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Starting Your Flutter Project



WHY FLUTTER?

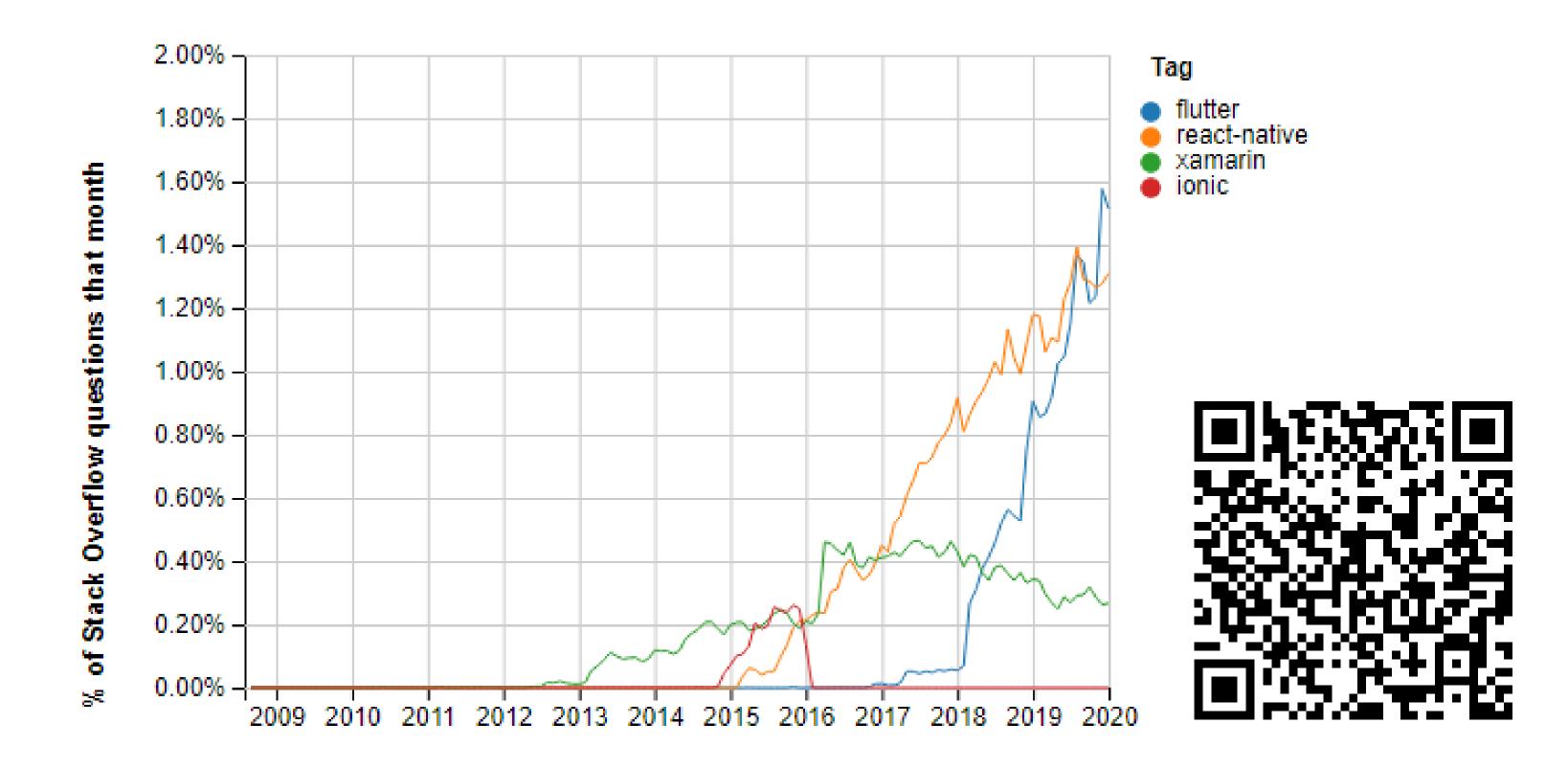




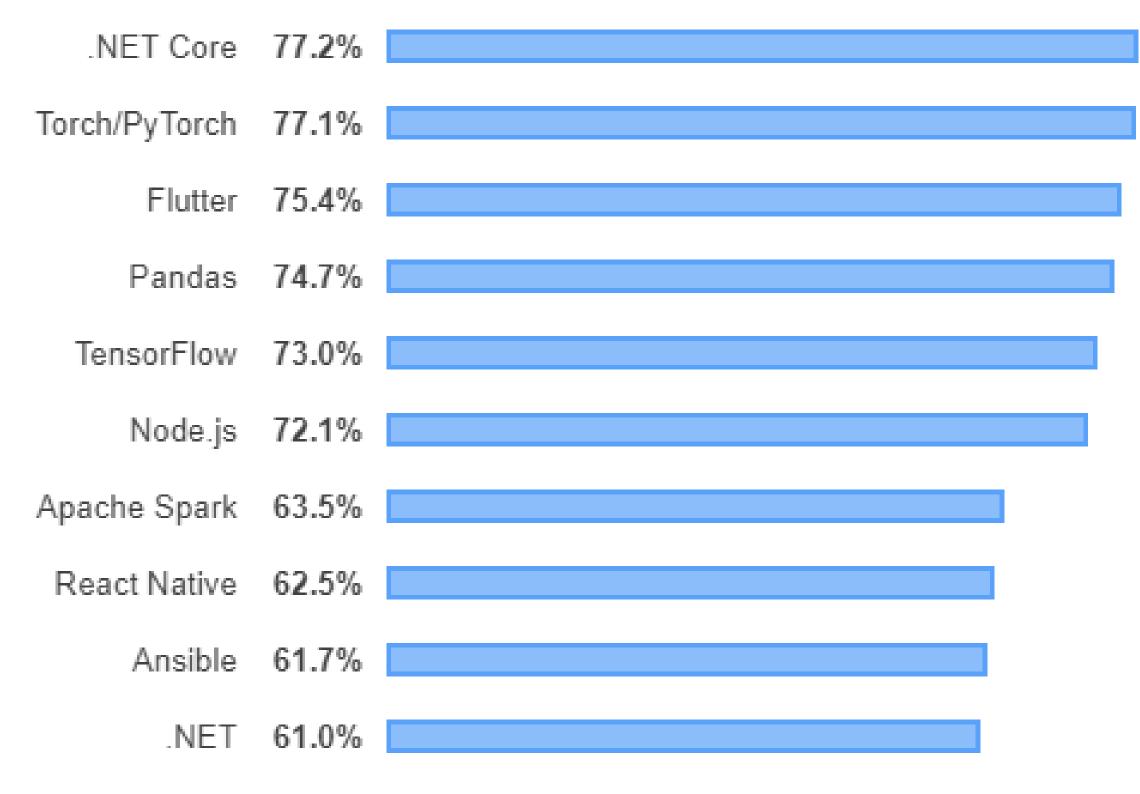
Flutter as a tool

- Cross Plataform
- Native Performance
- Growing Community
- Fuchsia compatibility

FLUTTER POPULARITY (STACK OVEFLOW)



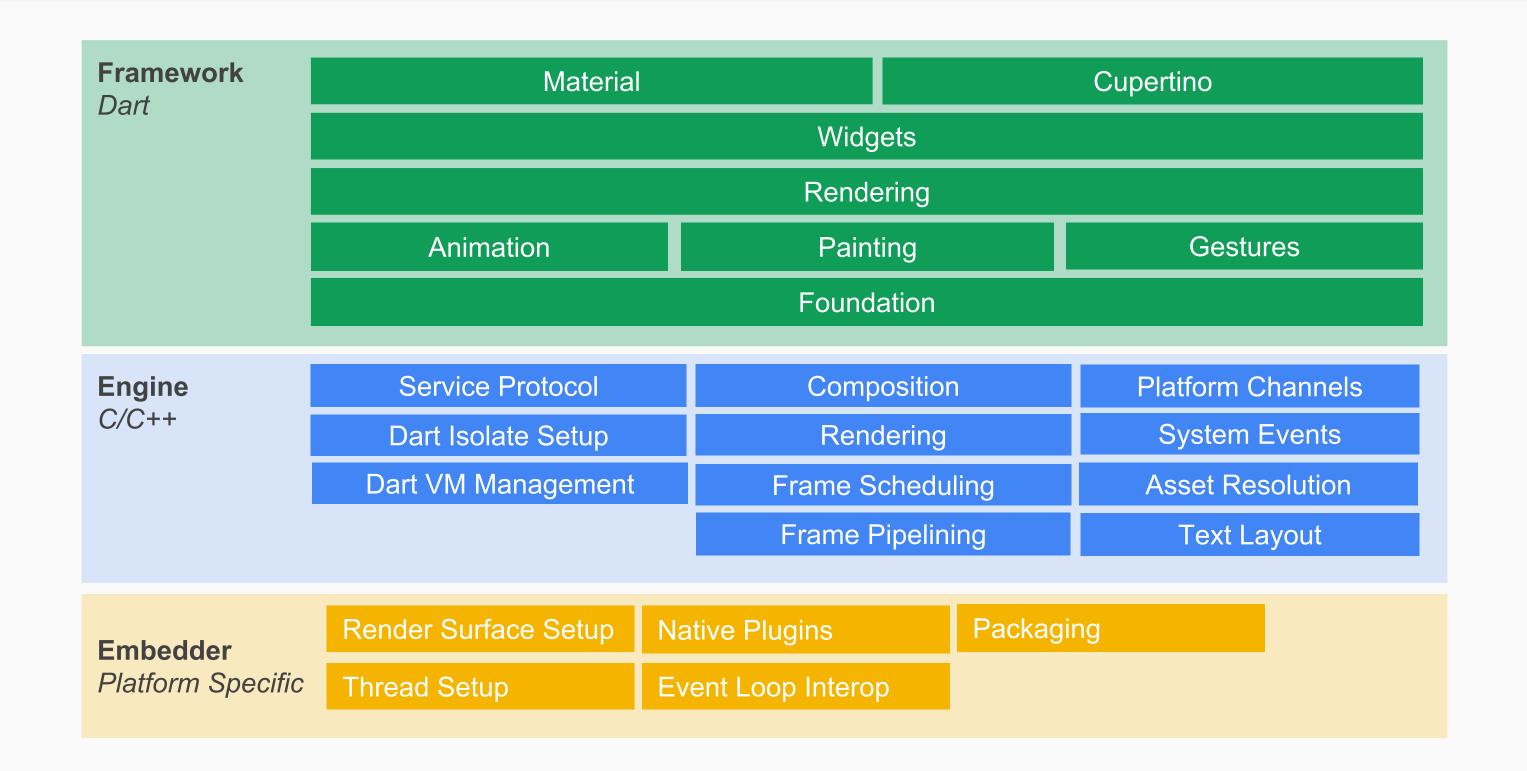
MOST LOVED FRAMEWORKS (STACK OVERFLOW)



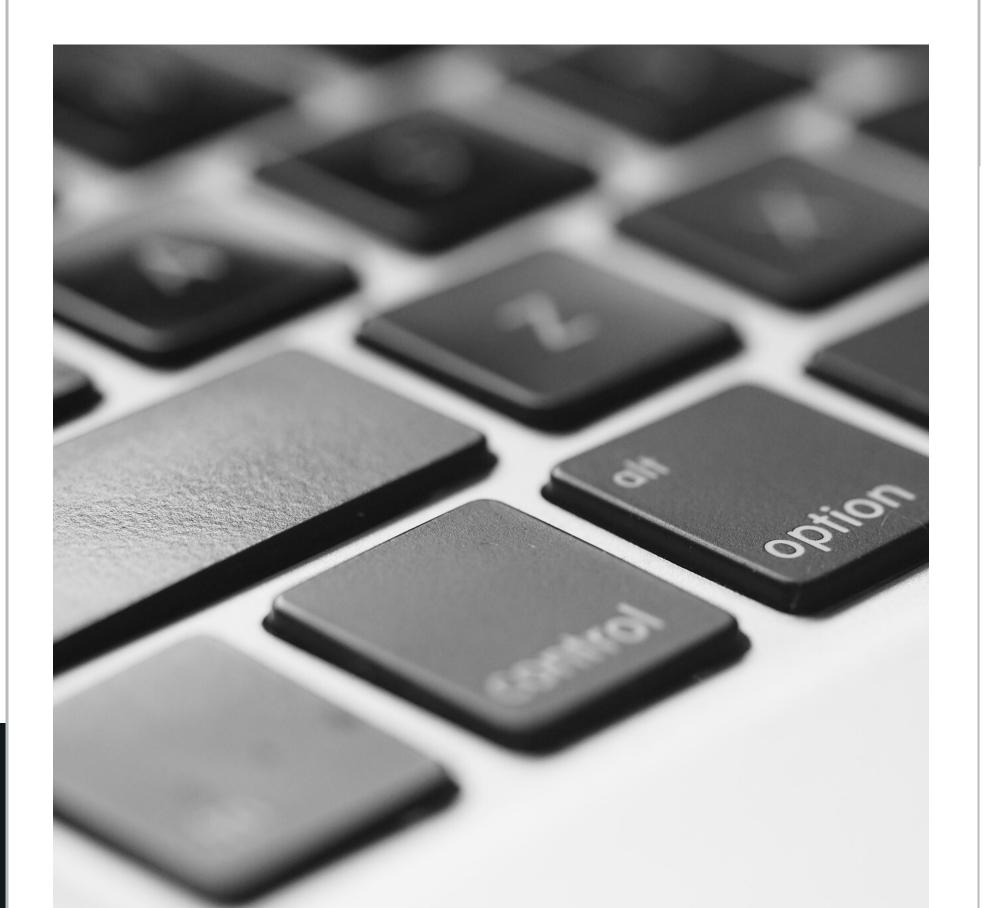


Why will a flutter app look the same on multiple platforms?

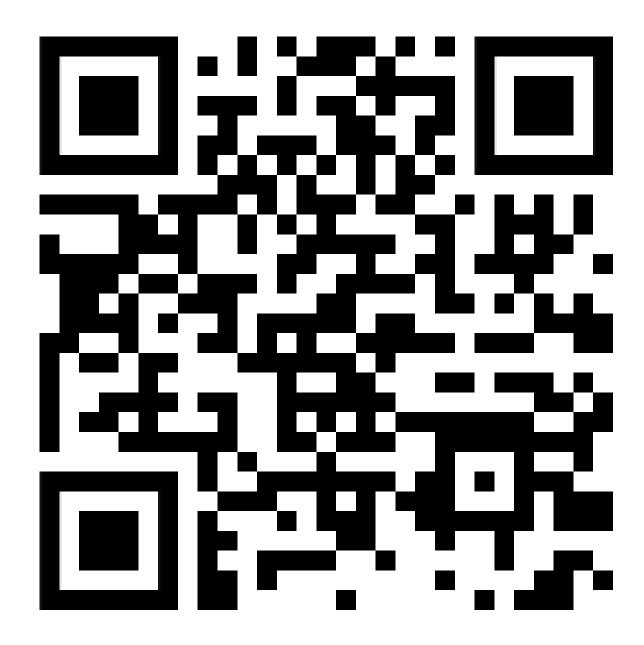
Flutter System Overview



HOW TO START?



Install Flutter!



TDD - Test Driven Development

DEVELOP

Develop code sufficent to pass your tests

REFACTOR

Improve the funcionality and code

TEST

Always start with tests



Flutter tests

HOW TO START

UNIT TEST

flutter test test/widget_test.dart

WIDGET TEST

flutter test test/counter_test.dart

INTEGRATION TEST

Need of a device to run

flutter drive --target=test_driver/app.dart



[master] 4cbd575 My first commit - Thiago Fontes

[v1.0-login-film-list] 9367952 Login - Thiago Fontes

[v1.0-login-film-list] b4336d7 Film list - Thiago Fontes

[v2.0-user-profile-and-payment-options] aa79a03 User Profile - Thiago Fontes

[v1.0-login-film-list] b782bbc Video player - Thiago Fontes

[develop] ee9fa22 Merge branch `v1.0-login-film-list` into `develop` - Thiago Fontes

[bugfix] 456b90d Fixing error with invalid passwords - Thiago Fontes

[develop] 7efb07c Merge branch `bugfix` into `develop` - Thiago Fontes

[v2.0-user-profile-and-payment-options] ab4f11a Merge branch `develop` into `v2.0-user-profile-and-pa

[master] abcdef0 Release of version 1.0 - Thiago Fontes

[v2.0-user-profile-and-payment-options] 2b161c6 Integrating with payment api - Thiago Fontes

[develop] 9d6b227 Merge branch `v2.0-user-profile-and-payment-options` into `develop` - Thiago Fonto

[bugfix] 213900b Fixing error with profile picture - Thiago Fontes

[develop] d2b7071 Merge branch 'bugfix' into 'develop' - Thiago Fontes

[master] 1704005 Release of version 2.0 - Thiago Fontes

Githooks and static analysis

```
hooks > ≡ pre-commit
       #!/bin/sh
       # Template from https://gist.github.com/miquelbeltran/56b7e276f8209c46bc39644b82018587
       # To use add to `.git/hooks/`
       # Should be named `pre-push`
       # Make executable with `chmod +x`
  6
      # stash any unstaged changes
       git stash -q --keep-index
       # run Flutter analyze + test
 10
       flutter analyze
 11
 12
 13
       if [ $? -ne 0 ]; then
               # unstash the unstashed changes
 14
               git stash pop -q
 15
               exit 1
 16
       fi
 17
 18
       flutter test
 19
 20
 21
       if [ $? -ne 0 ]; then
 22
               # unstash the unstashed changes
 23
               git stash pop -q
 24
               exit 1
 25
       fi
 26
 27
```

unstash the unstashed changes

git stash pop -q

exit 0

28

29

30

pedantic

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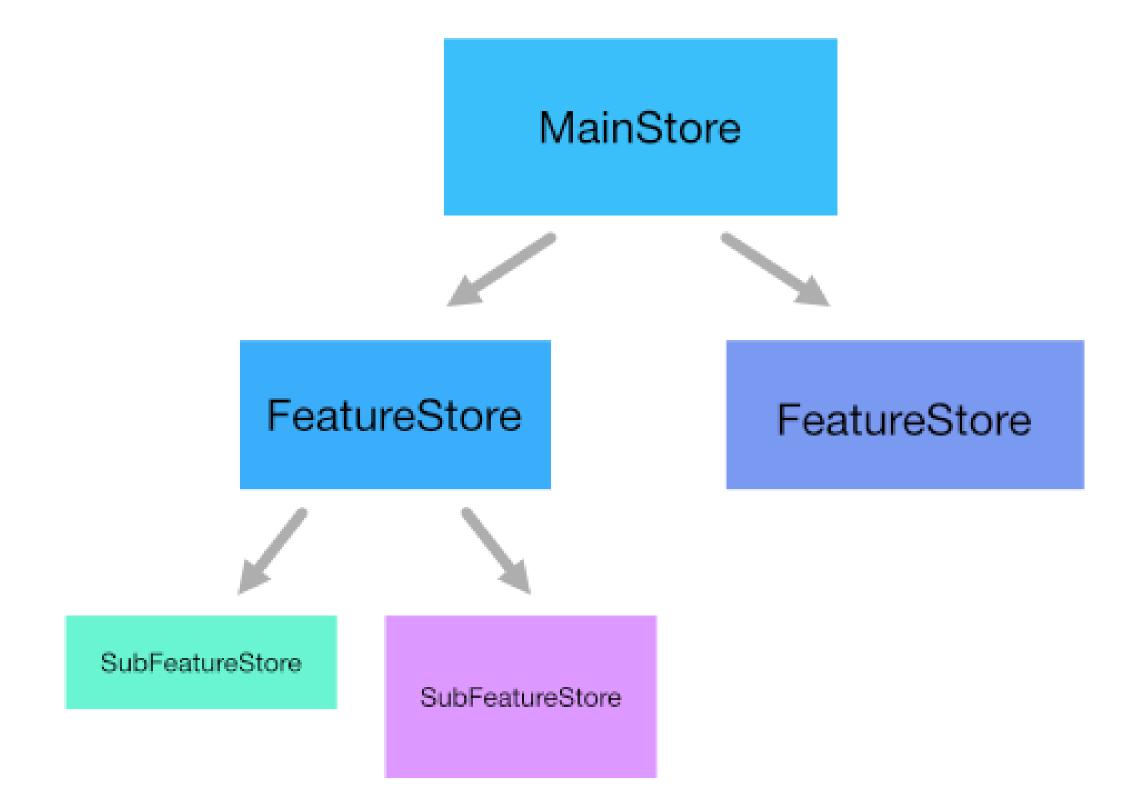
OBSERVABLES

ACTIONS

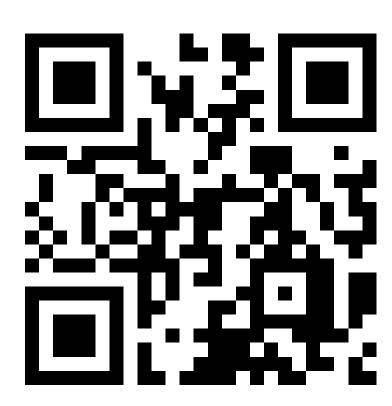
Introduction to MobX

REACTIONS

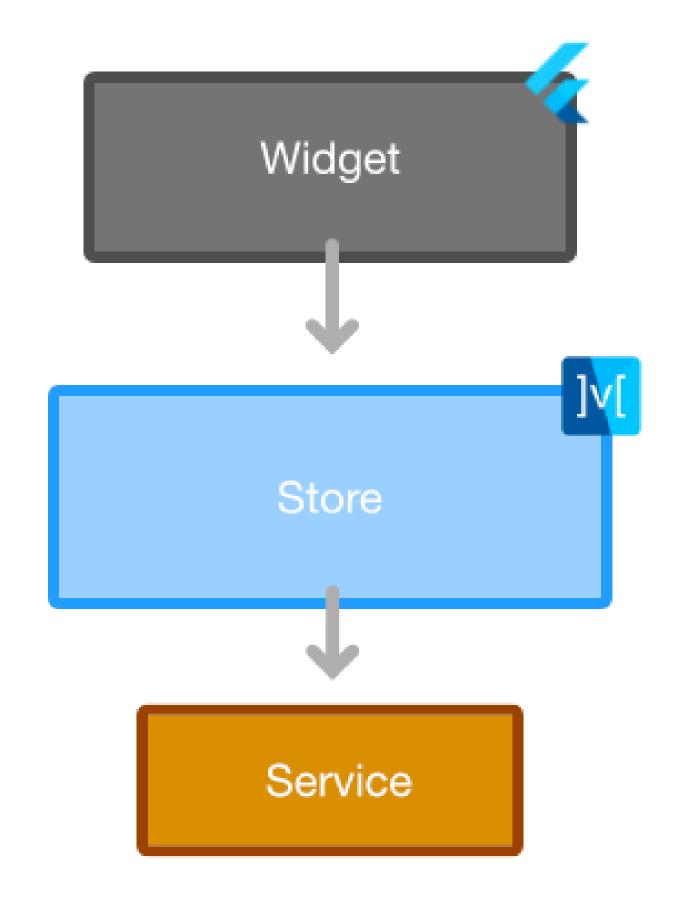
MobX Stores



MobX Dependency Order



https://mobx.pub/guides/stores



Important Resources

ARCHITETURE SAMPLES



https://fluttersamples.com/

CLEAN ARCHITETURE
WITH FLUTTER



https://youtu.be/KjE2IDphA U

FLUTTER DESIGN PATTERNS



https://link.medium.com/6dneaBbnS3

FLUTTERANDO



https://flutterando.com.br/

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GitHub



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ThiagoFontes

