

Testing & Debugging

Finding + Fixing Errors

What's In This Section?

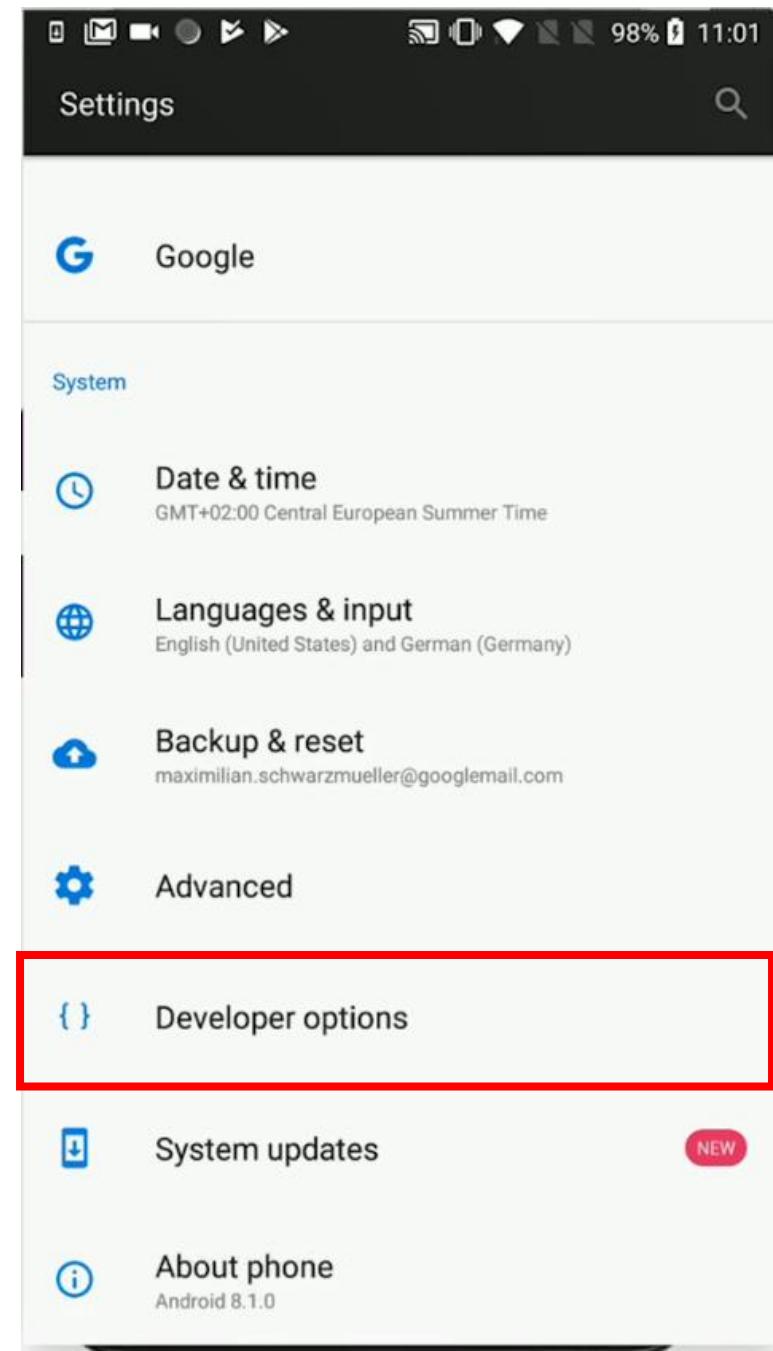
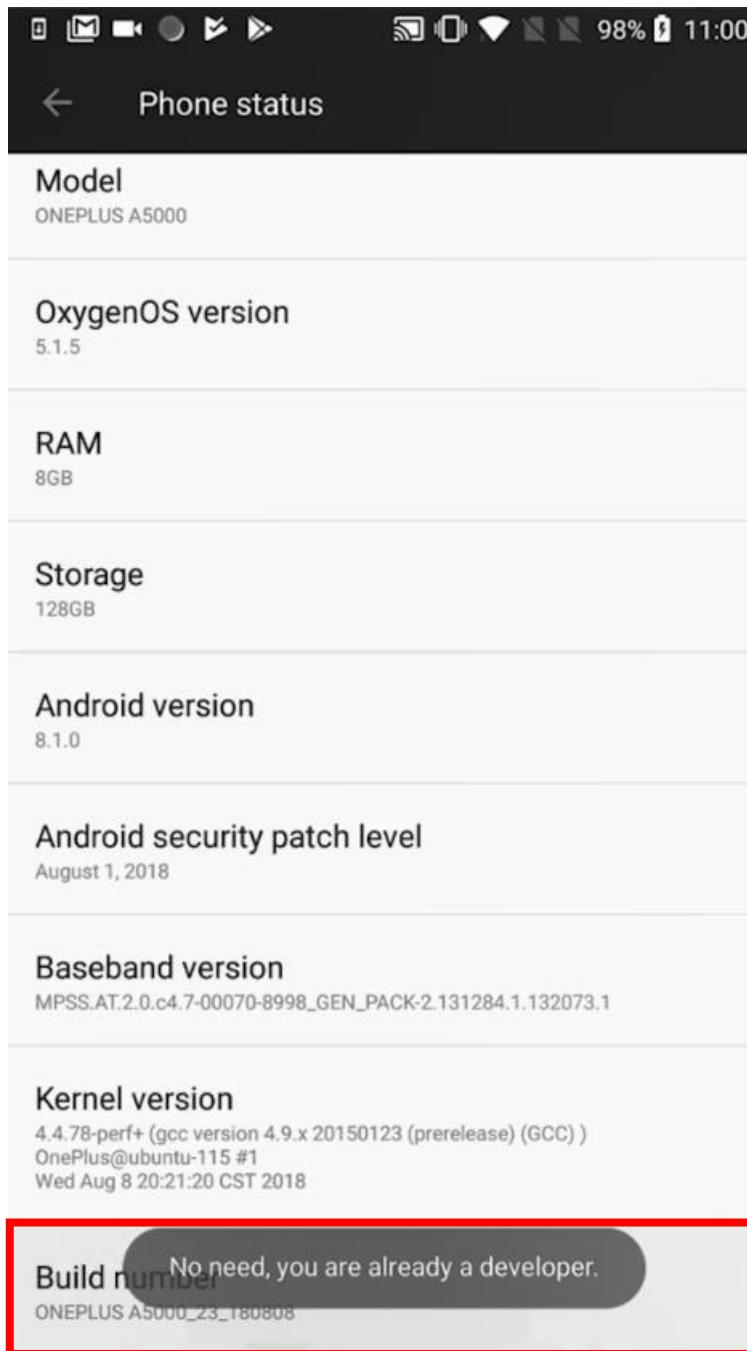
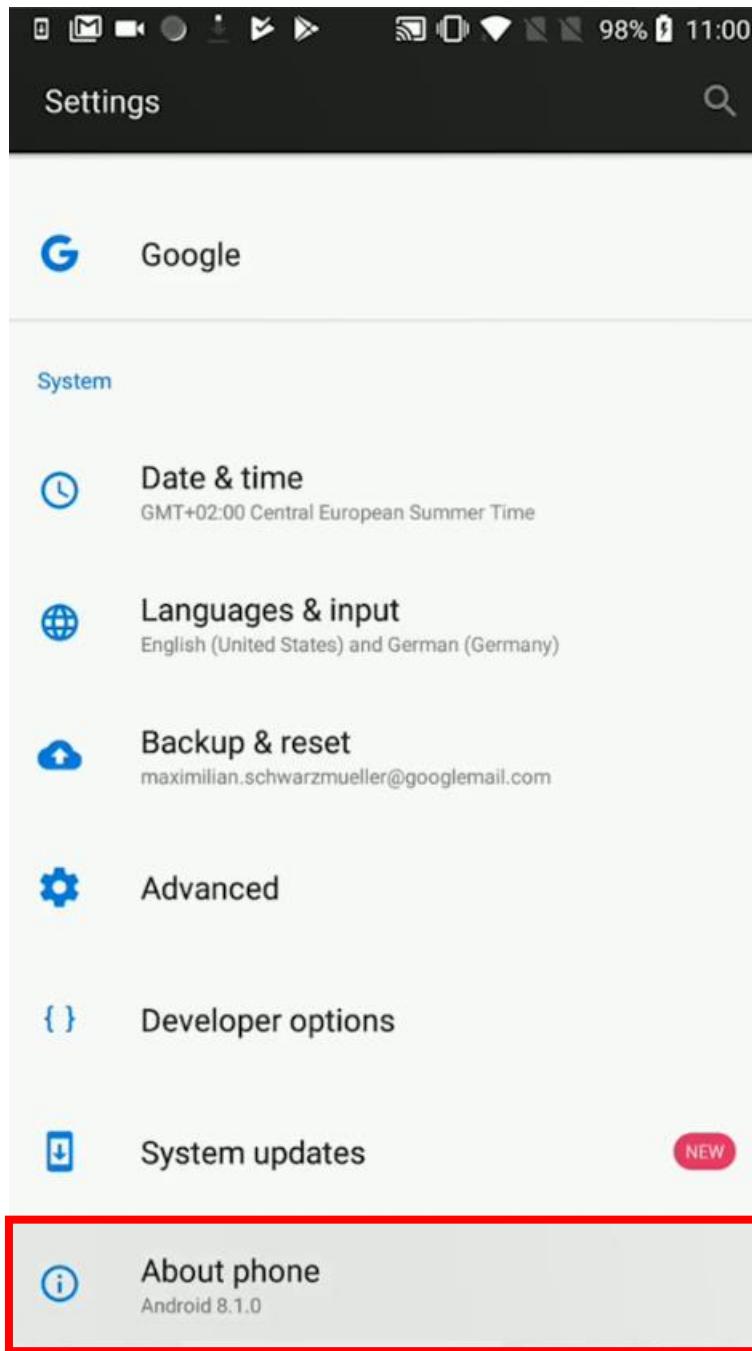
Running the App on Different Platforms & Real Devices

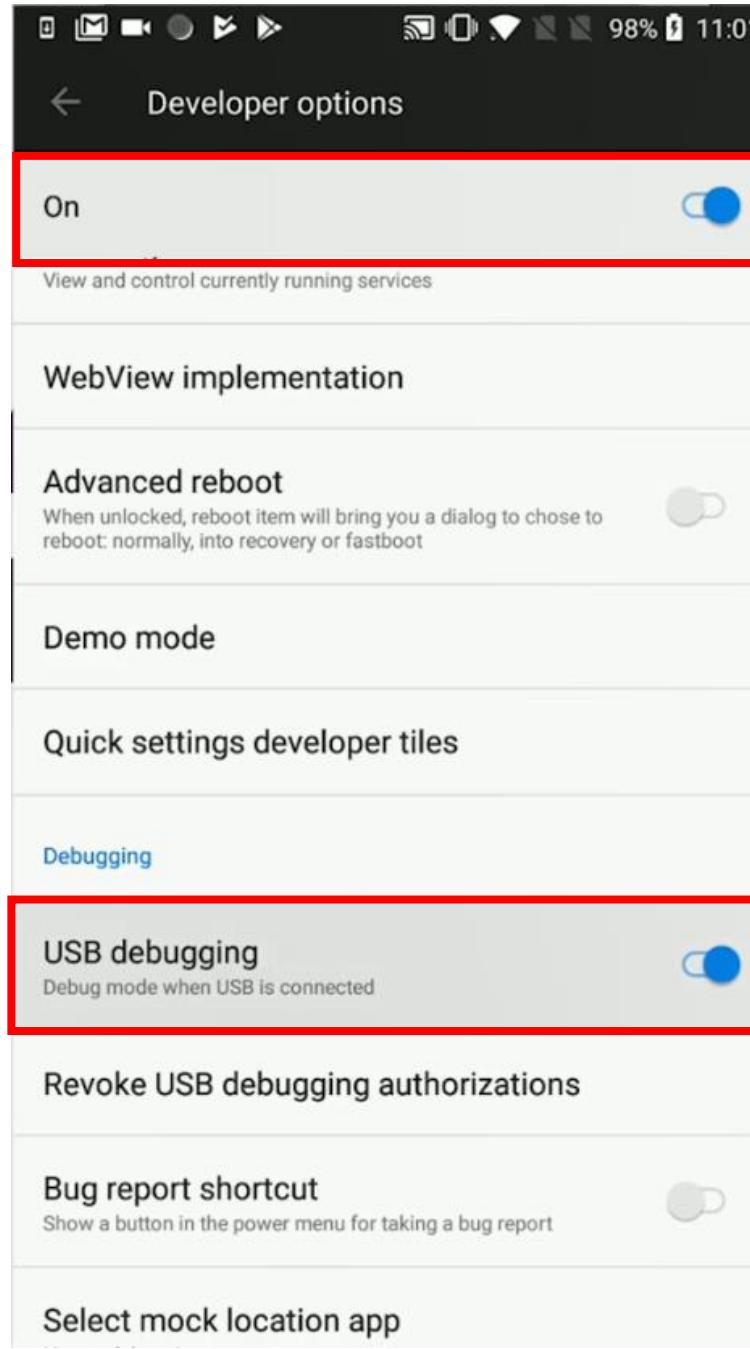
Reading & Understanding Error Messages

Using the (VS Code) Debugger

Using the Dart DevTools & The Flutter Inspector

RUNNING THE APP ON AN ANDROID DEVICE





EXPLORER

FLUTTER_COMPLETE_GUID

- ▶ .idea
- ▶ .vscode
- ▶ android
- ▶ build
- ▶ ios
- ▶ lib
 - ▶ answer.dart
 - ▶ main.dart
 - ▶ question.dart
 - ▶ quiz.dart
 - ▶ result.dart
- ▶ test

.gitignore

.metadata

.packages

flutter_complete_guide...

OUTLINE

DEPENDENCIES

Select a device to use

ONEPLUS A5000 android-arm64

Current Device

Android SDK built for x86 android-x86

Emulator

PROBLEMS

2

OUTPUT

DEBUG CONSOLE

TERMINAL

```
I/flutter (14007): We have more questions!
I/flutter (14007): 3
I/flutter (14007): No more questions!
Lost connection to device.
Exited (sigterm)
```



EXPLORER

FLUTTER_COMPLETE_GUIDE

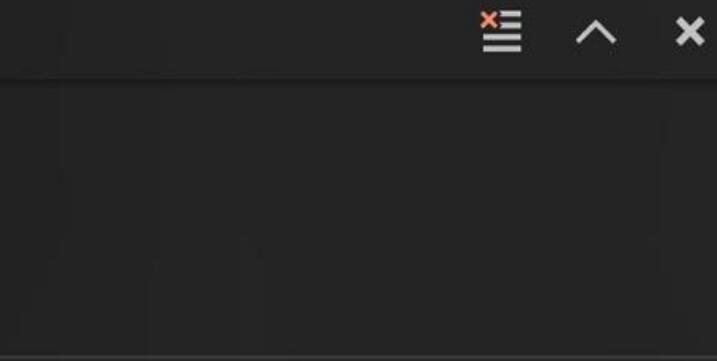
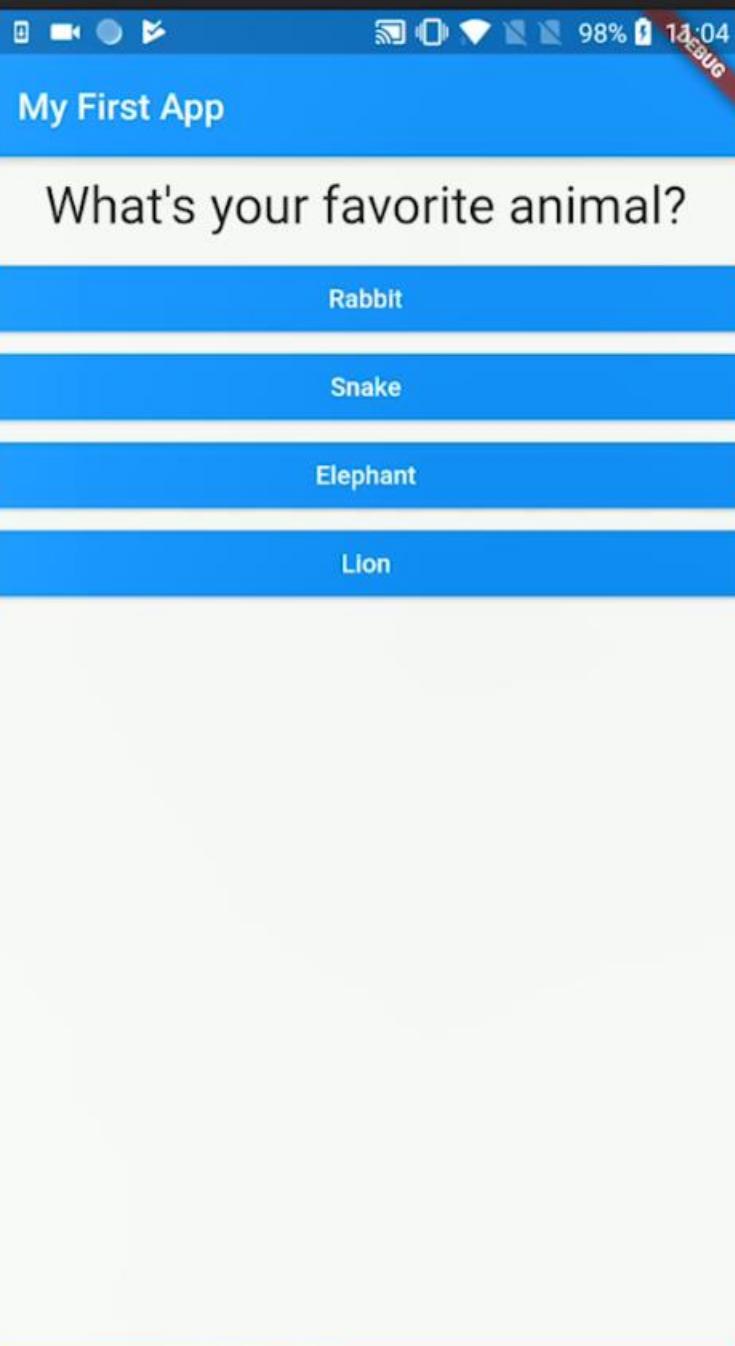
- ▷ .idea
- ▷ .vscode
- ▷ android
- ▷ build
- ▷ ios
- ▷ lib
 - ▷ answer.dart
 - ▷ main.dart
 - ▷ question.dart
 - ▷ quiz.dart
 - ▷ result.dart

▷ test

- ▷ .gitignore
- ▷ .metadata
- ▷ .packages
- ▷ flutter_complete_guide...

▷ OUTLINE

▷ DEPENDENCIES



RUNNING THE APP ON AN IOS EMULATOR

Runner > iPhone XR

Runner: Ready | Today at 11:06

2

Runner

General Capabilities Resource Tags Info Build Settings Build Phases Build Rules

PROJECT TARGETS

Runner

Display Name: flutter_complete_guide

Bundle Identifier: com.example.flutterCompleteGuide

Version: \${FLUTTER_BUILD_NAME}

Build: \${FLUTTER_BUILD_NUMBER}

Signing

Automatically manage signing (checked)

Xcode will create and update profiles, app IDs, and certificates.

Team: None

Provisioning Profile: Xcode Managed Profile

Signing Certificate: iOS Developer

Status: Signing for "Runner" requires a development team.
Select a development team in the project editor.

Deployment Info

Deployment Target: 8.0

Devices: Universal

Main Interface: Main

Device Orientation:

- Portrait
- Upside Down
- Landscape Left
- Landscape Right

Status Bar Style: Default

- Hide status bar
- Requires full screen

App Icons and Launch Images

Identity and Type

Name: Runner

Location: Absolute

Full Path: /Users/mschwarzmueller/development/teaching/udemy/flutter_complete_guide/ios/Runner.xcodeproj

Project Document

Project Format: Xcode 3.2-compatible

Organization: The Chromium Authors

Class Prefix

Text Settings

Indent Using: Spaces

Widths: Tab 4 Indent 4

Wrap lines

Ionic Ap | Color G | Configu | belajar-| firebase | Firebase | GitHub | Overvie | Angular | Using A | Geocod | belajar-| Firebase | Google | All apps | App | + | - | □ | ×

https://developer.apple.com

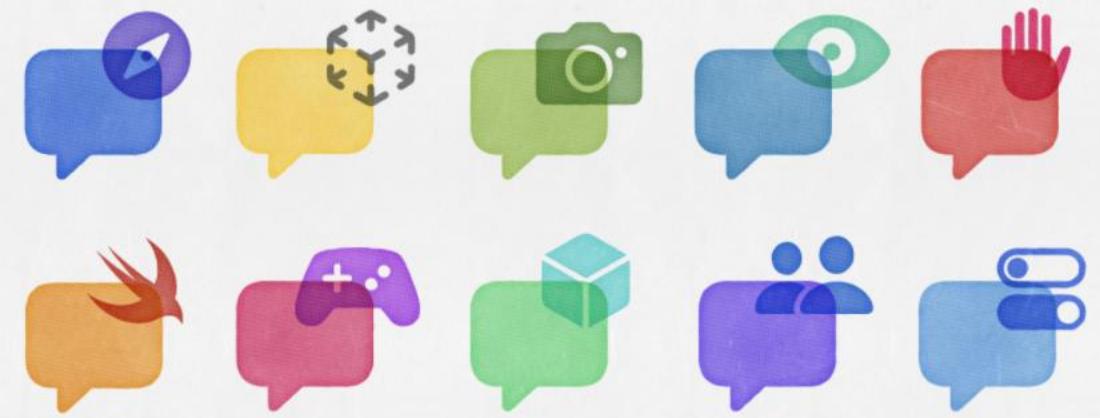
Apple Developer

Discover Design Develop Distribute Support Account

Enroll in the App Store Small Business Program >



Unleashed.
Watch the event



Tech Talks 2021
October 25 – December 17

<https://developer.apple.com/tech-talks/>

EXPLORER

FLUTTER_COMPLETE_GUIDE

- ▷ .idea
- ▷ .vscode
- ▷ android
- ▷ build
- ▷ ios
- ▷ lib

- answer.dart
- main.dart
- question.dart
- quiz.dart
- result.dart

test

- .gitignore
- .metadata
- .packages
- flutter_complete_guide...

OUTLINE

DEPENDENCIES

Select a device to use

iPhone XR ios

Current Device

Android SDK built for x86 android-x86

Emulator

PROBLEMS 2

OUTPUT

TERMINAL

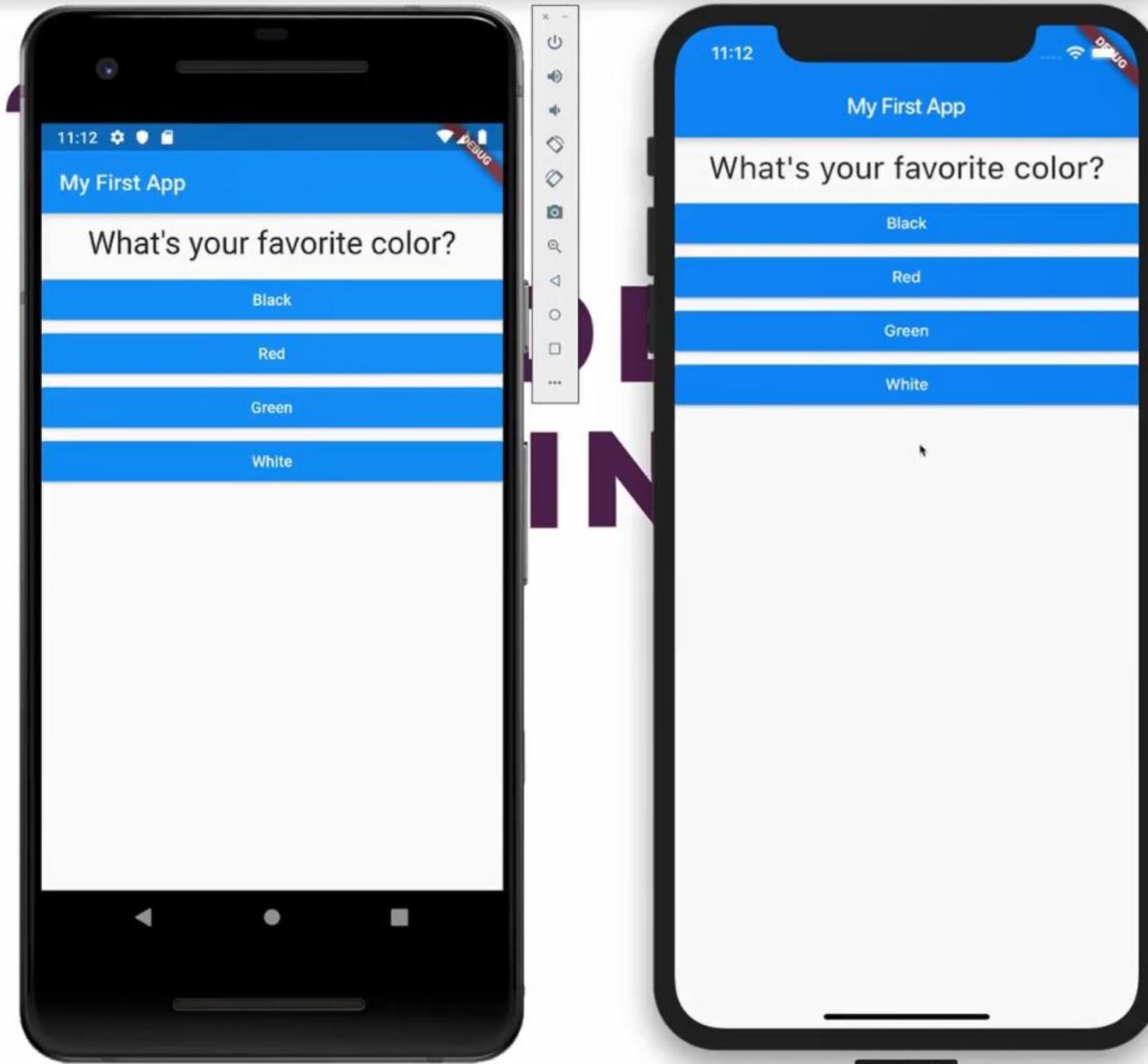
...

1: bash

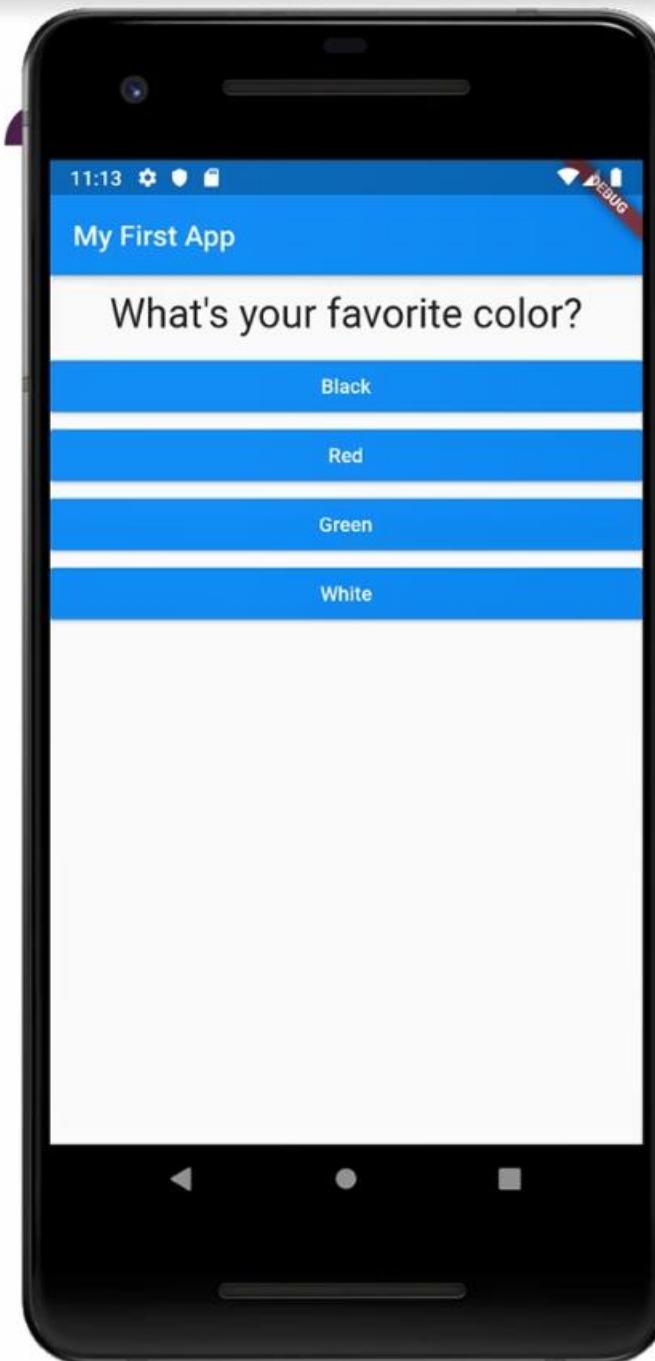


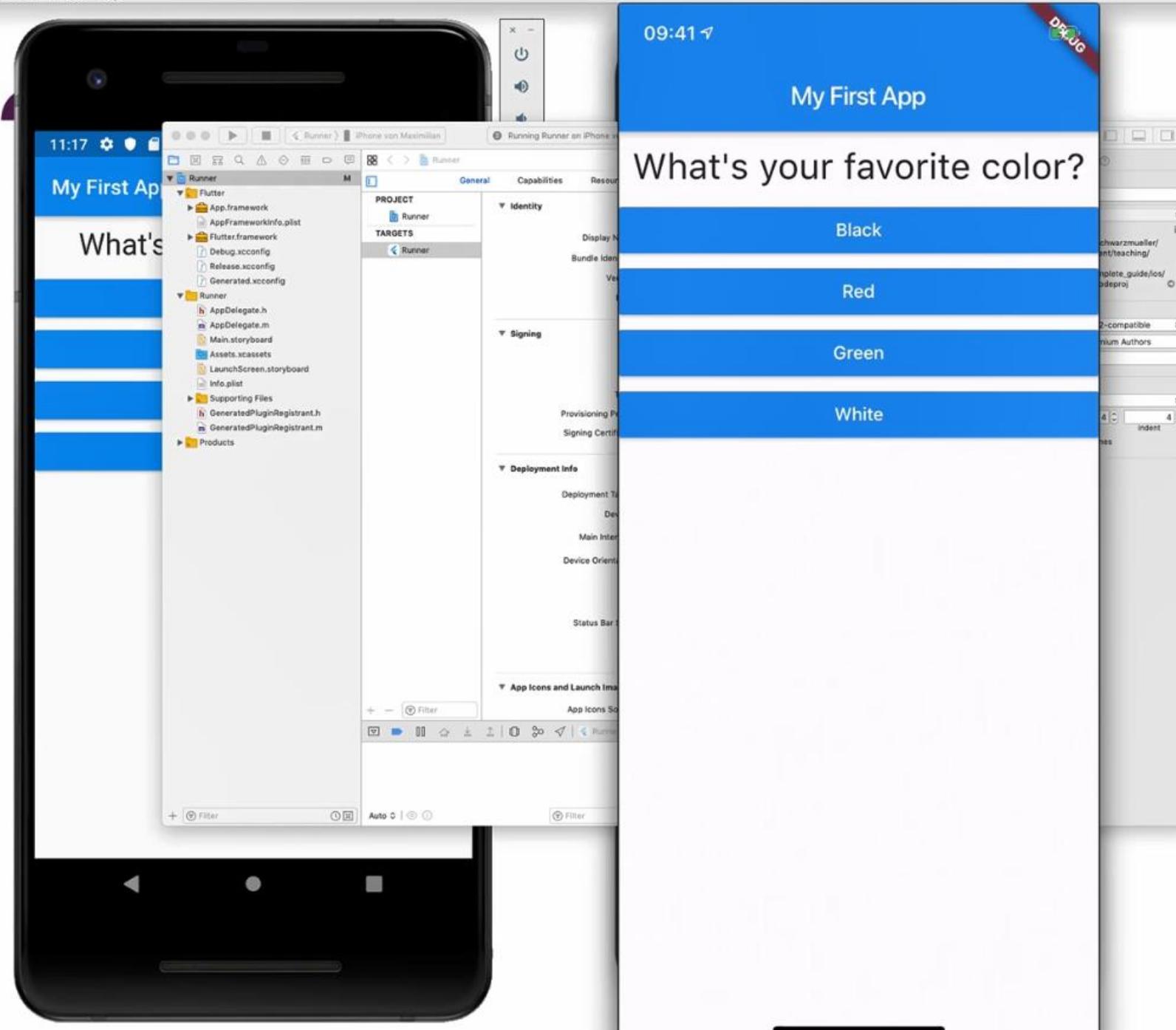
```
Maximilians-MBP:flutter_complete_guide mschwarzmueller$ open -a Simulator.app
Maximilians-MBP:flutter_complete_guide mschwarzmueller$ 
```



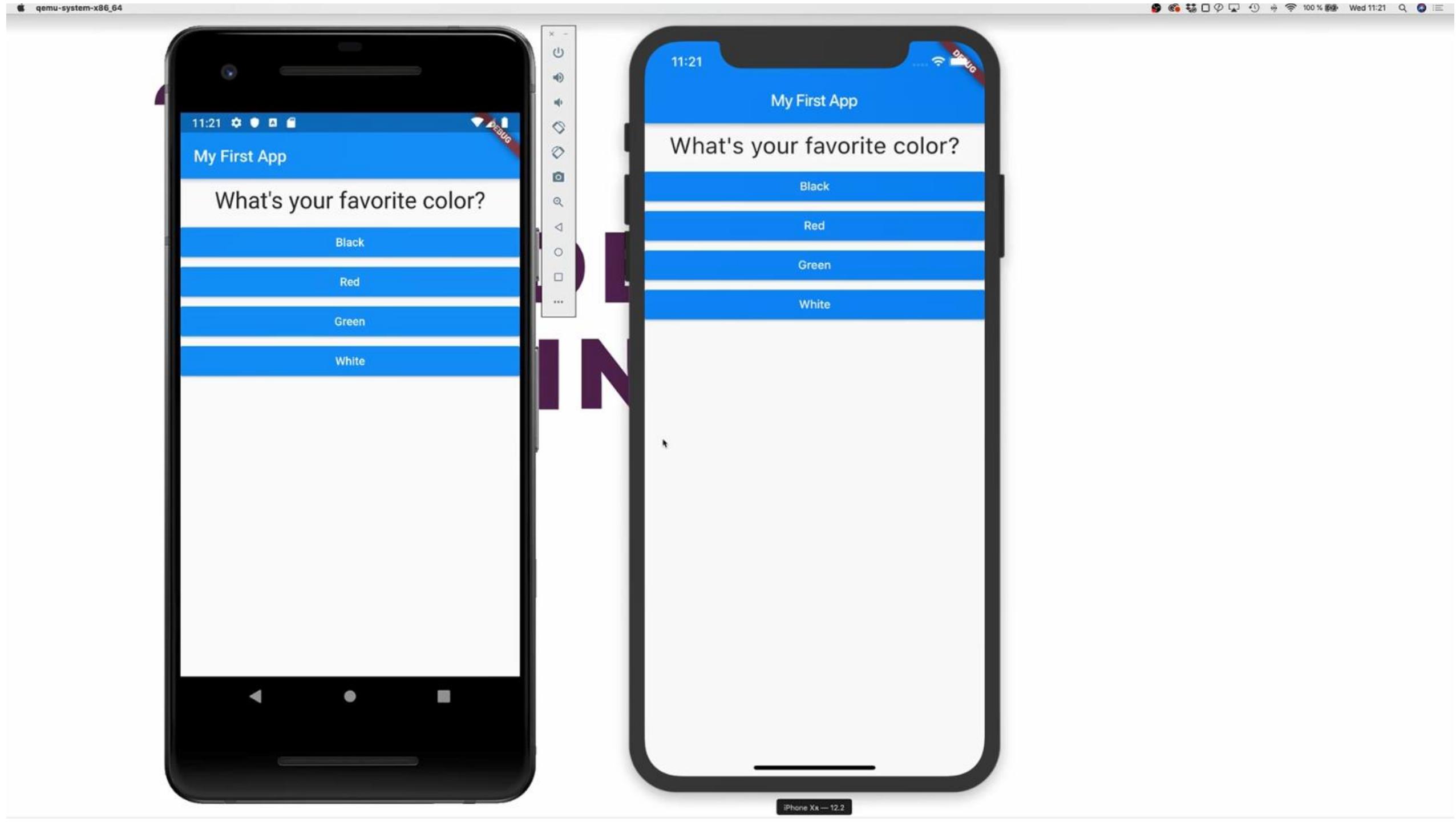


RUNNING THE APP ON AN IOS DEVICE





WORKING WITH EMULATORS



UNDERSTANDING ERROR MESSAGES AND FIXING ERRORS

File Edit Selection View Go Run Terminal Help main.dart - new_button_02 - Visual Studio Code

EXPLORER ... main.dart 1

OPEN EDITORS lib > main.dart > MyApp > build

main.dart lib 1 NEW_BUTTON_02 .dart_tool .idea android build ios lib main.dart 1 test web .gitignore .metadata .packages analysis_options.yaml new_button_02.iml pubspec.lock pubspec.yaml README.md

20 `print('Pressed raised button');`

21 },

22), // ElevatedButton

23 TextButton(

24 style: TextButton.styleFrom(

25 primary: Colors.green,

26),

27 child: Text('A Flat Button'),

28 onPressed: () {

29 print('Pressed flat button')

30 },

31), // TextButton

32 OutlinedButton(

33),

34),

35),

36),

37),

38),

Syntax Error

PROBLEMS 11 OUTPUT DEBUG CONSOLE TERMINAL

Filter (e.g. text, **/*.ts, !**/node_modules/**)

💡 Expected to find ':'. dart(expected_token) [35, 46]

ⓘ Use key in widget constructors. dart(use_key_in_widget_constructors) [7, 7]

ⓘ Prefer const with constant constructors. dart(prefer_const_constructors) [13, 18]

ⓘ Prefer const with constant constructors. dart(prefer_const_constructors) [24, 24]

ⓘ Avoid `print` calls in production code. dart(avoid_print) [26, 19]

ⓘ Prefer const with constant constructors. dart(prefer_const_constructors) [33, 24]

ⓘ Avoid `print` calls in production code. dart(avoid_print) [35, 19]

ⓘ Prefer const with constant constructors. dart(prefer_const_constructors) [41, 25]

ⓘ Prefer const with constant constructors. dart(prefer_const_constructors) [43, 24]

ⓘ Avoid `print` calls in production code. dart(avoid_print) [45, 19]

widget_test.dart test 1

✖ ^ The constructor being called isn't a const constructor.

Try removing 'const' from the constructor invocation. dart(const_with_non_const) [16, 29]

Ln 35, Col 47 Spaces: 2 CRLF Dart Dart DevTools Flutter: 2.5.3 Pixel 2 API 29 (android-x86 emulator) Prettier

File Edit Selection View Go Run Terminal Help main.dart - new_button_02 - Visual Studio Code

EXPLORER OPEN EDITORS main.dart lib/main.dart > MyApp > build

12:16 RangeError (index): Invalid value: Not in inclusive range 0..3: 5 See also: https://flutter.dev/docs/testing/errors

RangeError (index): Invalid value: Not in inclusive range 0..3: 5

See also:
<https://flutter.dev/docs/testing/errors>

runApp(MyApp());
}

class MyApp extends StatelessWidget {
 var data = [1, 2, 3, 4];

 @override
 Widget build(BuildContext context) {
 print(data[5]);
 return MaterialApp(
 home: Scaffold(
 appBar: AppBar(
 title: Text("My App"))
))
 }
}

Runtime Error

PROBLEMS 11 OUTPUT DEBUG CONSOLE TERMINAL Filter (e.g. text, lexclude)

Restarted application in 2,244ms.

Exception caught by widgets library

The following RangeError was thrown building MyApp(dirty):
RangeError (index): Invalid value: Not in inclusive range 0..3: 5

The relevant error-causing widget was
MyApp

When the exception was thrown, this was the stack

package:new_button_02/main.dart:4

0 △ 0 ① 11 Debug my code

Ln 12, Col 19 Spaces: 2 CRLF Dart Dart DevTools Flutter: 2.5.3 Pixel 2 API 29 (android-x86 emulator) Prettier

USING THE DEBUGGER

File Edit Selection View Go Run Terminal Help main.dart - new_button_02 - Visual Studio Code

EXPLORER OPEN EDITORS main.dart lib NEW_BUTTON_02 .dart_tool .idea android build ios lib main.dart test widget_test.dart web .gitignore .metadata .packages analysis_options.yaml new_button_02.iml pubspec.lock pubspec.yaml README.md

Start Debugging F5 Run Without Debugging Ctrl+F5 Stop Debugging Shift+F5 Restart Debugging Ctrl+Shift+F5 Open Configurations Add Configuration... Step Over F10 Step Into F11 Step Out Shift+F11 Continue F5 Toggle Breakpoint F9 New Breakpoint > Enable All Breakpoints Disable All Breakpoints Remove All Breakpoints Install Additional Debuggers...

yApp > build

```
MyApp extends StatelessWidget {  
  data = [1, 2, 3, 4];  
  
  @override  
  Widget build(BuildContext context) {  
    //int('add break point');  
    int(data[5]);  
    return MaterialApp(  
      home: Scaffold(  
        appBar: AppBar(  
          title: Text('The Buttons'),  
        ),  
      ),  
    );  
  }  
}  
  
closure>  
#12 BuildOwner.buildScope  
#13 RenderObjectToWidgetAdapter.attachToRenderTree  
#14 WidgetsBinding.attachRootWidget  
#15 WidgetsBinding.scheduleAttachRootWidget.<anonymous closure>  
e>  
(elided 11 frames from class _RawReceivePortImpl, class _Timer, dart:async, and dart:async-patch)  
  
Application finished.
```

DEBUG CONSOLE TERMINAL Filter (e.g. text, exclude)

Ln 12, Col 30 Spaces: 2 UTF-8 CRLF Dart Dart DevTools Flutter: 2.5.3 Pixel 2 API 29 (android-x86 emulator) Prettier

File Edit Selection View Go Run Terminal Help main.dart - new_button_02 - Visual Studio Code

RUN AND DEBUG D No Configuration ...

main.dart X

lib > main.dart > MyApp > build

...

```
6
7 class MyApp extends StatelessWidget {
8     var data = [1, 2, 3, 4];
9
10    @override
11    Widget build(BuildContext context) {
12        print('add break point');
13        print(data[5]);
14        return MaterialApp(
15            home: Scaffold(
16                appBar: AppBar(
17                    title: Text('The Buttons'),
```

PROBLEMS 12 OUTPUT DEBUG CONSOLE TERMINAL

```
Launching lib\main.dart on Android SDK built for x86 in debug mode.
✓ Built build\app\outputs\flutter-apk\app-debug.apk.
W/FlutterActivityAndFragmentDelegate( 8720): A splash screen was pre-
recated. See flutter.dev/go/android-splash-migration for migration
Connecting to VM Service at ws://127.0.0.1:49452/rVyxti4j2-E=/ws
D/eglCodecCommon( 8720): setVertexArrayObject: set vao to 0 (0) 1 0
```

CALL STACK PAUSED ON BREAKPOINT

```
MyApp.build package:new_button_02/main....  
Show 19 More Stack Frames  
Load All Stack Frames
```

...

BREAKPOINTS

- All Exceptions
- Uncaught Exceptions
- main.dart lib

12

>

x ⑧ 0 △ 0 ① 12 ↻ Debug my code

Ln 12, Col 5 Spaces: 2 UTF-8 CRLF Dart Dart DevTools Flutter: 2.5.3 Pixel 2 API 29 (android-x86 emulator) Prettier

File Edit Selection View Go Run Terminal Help main.dart - new_button_02 - Visual Studio Code

RUN AND DEBUG No Configuration: ...

VARIABLES

Exceptions

- _hasValue: true
- _stackTrace: null
- end: 3
- invalidValue: 5
- message: "Invalid value"
- name: "index"
- start: 0
- _errorExplanation: ": Not in inclusive range 0..3: 5"
- _errorName: "RangeError"
- hashCode: 1063612108

> runtimeType: Type (RangeError)

WATCH

CALL STACK PAUSED ON EXCEPTION

- List.[] dart:core-patch/growable_array.dart
- MyApp.build package:new_button_02/main....

Show 25 More Stack Frames

BREAKPOINTS

- All Exceptions
- Uncaught Exceptions
- main.dart lib

6

7 class MyApp extends StatelessWidget {

8 | var data = [1, 2, 3, 4];

9 |

10 | @override

11 | Widget build(BuildContext context) {

12 | | print('add break point');

13 | | print(data[5]);

Exception has occurred.

RangeError (RangeError (index): Invalid value: Not in inclusive range 0..3: 5)

14 | return MaterialApp(

PROBLEMS 12 OUTPUT DEBUG CONSOLE TERMINAL

Filter (e.g. text, exclude)

Launching lib\main.dart on Android SDK built for x86 in debug mode... lib\main.dart:1

✓ Built build\app\outputs\flutter-apk\app-debug.apk.

W/FlutterActivityAndFragmentDelegate(8720): A splash screen was provided to Flutter, but this is deprecated. See flutter.dev/go/android-splash-migration for migration steps.

Connecting to VM Service at ws://127.0.0.1:49452/rVyxti4j2-E=/ws

D/eglCodecCommon(8720): setVertexArrayObject: set vao to 0 (0) 1 0

I/flutter (8720): add break point

LN 13, COL 15 SPACES: 2 UTF-8 CRLF Dart Dart DevTools Flutter: 2.5.3 Pixel 2 API 29 (android-x86 emulator) Prettier

Debug my code

File Edit Selection View Go Run Terminal Help main.dart - new_button_02 - Visual Studio Code

RUN AND DEBUG No Configuration... Variables

VARIABLES

```
6
7 class MyApp extends StatelessWidget {
8     var data = [1, 2, 3, 4];
9
10    @override
11    Widget build(BuildContext context) {
12        print('add break point');
13        print(data[5]);
14        return MaterialApp(
15            home: Scaffold(
16                appBar: AppBar(
17                    title: Text('The Buttons'),
```

WATCH

CALL STACK RUNNING PROBLEMS 12 OUTPUT DEBUG CONSOLE TERMINAL

Exception caught by widgets library
The following RangeError was thrown building MyApp(dirty):
RangeError (index): Invalid value: Not in inclusive range 0..3: 5

The relevant error-causing widget was
MyApp
When the exception was thrown, this was the stack
#0 List.[] (dart:core-patch/growable_array.dart:254:60)

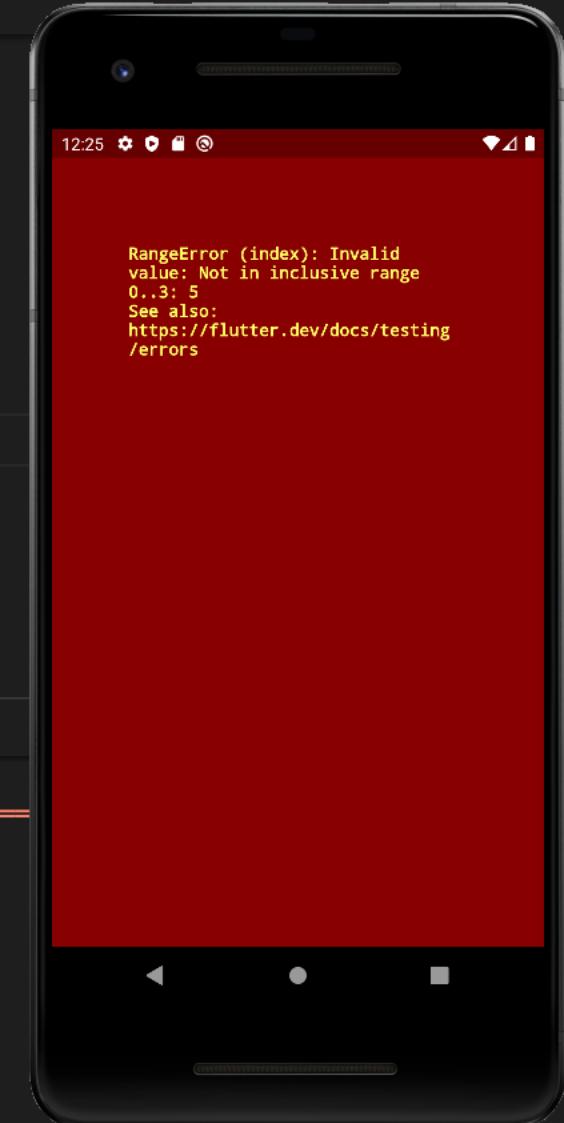
Breakpoints: All Exceptions, Uncaught Exceptions, main.dart lib

0 △ 0 ⌂ 12 Debug my code

Ln 13, Col 15 Spaces: 2 UTRF Dart Dart DevTools Flutter: 2.5.3 Pixel 2 API 29 (android-x86 emulator) Prettier

12:25 RangeError (index): Invalid value: Not in inclusive range 0..3: 5 See also: https://flutter.dev/docs/testing/errors

dart:4



GETTING STARTED WITH THE DART DEVTOOLS



EXPLORER

main.dart

>dart devtools

Dart: Open DevTools

Ctrl + Alt + D recently used ⚙

other commands

Dart: Open DevTools CPU Profiler Page

Dart: Open DevTools Logging Page

Dart: Open DevTools Memory Page

Dart: Open DevTools Network Page

```
14
15
16
17     final _questions = const [
18         {
19             'questionText': 'What\'s your favorite color?',
20             'answers': [
21                 {'text': 'Black', 'score': 10},
22                 {'text': 'Red', 'score': 5},
23                 {'text': 'Green', 'score': 3},
24                 {'text': 'White', 'score': 1},
25             ],
26         },
27         {
28             'questionText': 'What\'s your favorite animal?',
29             'answers': [
30                 {'text': 'Rabbit', 'score': 3},
31                 {'text': 'Snake', 'score': 11},
32                 {'text': 'Elephant', 'score': 5},
33                 {'text': 'Lion', 'score': 9},
34             ],
35         },
36     ];
37 }
```

CTRL + SHIFT + P



EXPLORER

... main.dart

OPEN EDITORS

- main.dart lib
- quiz.dart lib
- result.dart lib
- question.dart lib
- answer.dart lib

BELAJAR_FLUTTER_02

- .dart_tool
- .idea
- android
- build
- ios
- lib
 - answer.dart
 - main.dart
 - question.dart
 - quiz.dart
 - result.dart
- test
- web
- .gitignore
- .metadata
- .packages
- analysis_options.yaml
- belajar_flutter_02.iml
- pubspec.lock
- pubspec.yaml
- README.md

> OUTLINE

> DEPENDENCIES

DartPad | Linter for Dart | Layout widgets | Flutter | Flutter DevTools | 127.0.0.1:9100/#/inspector?hide=debugger&ide=VSCode&theme=dark&uri=http%3A%2F%2F127.0.0.1%3A60395%2FvWtIcpZMZs%3D%2F

Flutter DevTools

Flutter Inspector | Performance | CPU Profiler | Memory | Network | Logging | App Size | +

Select Widget Mode | Refresh Tree | Slow Animations | Show Guidelines | Show Baselines

[root] | MyApp | MaterialApp | Scaffold | Quiz | Column | Question | Container | Text: "What's your favorite color?" | Answer | Container | RaisedButton | Text: "Black" | Answer | Container | RaisedButton | Text: "Red" | Answer | Container

Layout Explorer | Details Tree

ConstrainedBox - RenderConstrainedBox#ddb0e ... | Text - RenderParagraph#a1112 relayoutBoundary=up4

w=391.4; (w=391.4)

w=391.4; (0.0<=w<=391.4)

4:49 | My First App | What's your favorite color? | Black | Red | Green | White

Console

```
null  
null  
> Text: "What's your favorite color?"  
> Eval
```

flutter.dev/devtools/inspector

ia32-32 android

DartPad | Linter for Dart | Layout widgets | Flutter | Flutter DevTools

Flutter DevTools

Flutter Inspector | Performance | CPU Profiler | Memory | Network | Logging | App Size | Slow Animations | Show Guidelines | Show Baselines | Highlight Repaints | Highlight Oversized Images

Select Widget Mode | Refresh Tree

[root] | MyApp | MaterialApp | Scaffold | Quiz | Column | Question | Container | Text: "What's your favorite color?" | Answer | Container | RaisedButton | Text: "Black"

Layout Explorer | Details Tree

Center - RenderPositionedBox#32016 relayoutBoundary=up14

The screenshot shows the Flutter DevTools Layout Explorer. On the left, a tree view of the widget hierarchy is displayed, starting from the root and navigating through MyApp, MaterialApp, Scaffold, Quiz, Column, Question, Container, and finally to the Text widget with the value "What's your favorite color?". Below this tree view, there is a detailed breakdown of the Text widget's properties: Text: "Black", TextAlign: null, textDirection: null, locale: null, softWrap: null, overflow: null, textScaleFactor: null, maxLines: null, textWidthBasis: null, textHeightBehavior: null, dependencies: [MediaQuery, DefaultTextStyle], parent: SingleChildRenderObjectElement, debugReassembleConfig: null, cachedHash: 171, slot: null, depth: 154. The file path answer.dart:16:16 is indicated next to the Text widget.

Layout Explorer

Text - RenderParagraph#6caee ...

w=172.2 h=10.0

w=172.2 h=16..

w=35.0; (0.0<=w<=379.4)

w=379.4; (w=379.4)

h=10.0

(height is unconstrained) h=36.0

question.dart:13:14

answer.dart:13:14

answer.dart:16:16

i ia32-32 android

DartPad | Linter for Dart | Layout widgets | Flutter | Flutter DevTools

Flutter DevTools

Flutter Inspector | Performance | CPU Profiler | Memory | Network | Logging | App Size | +

127.0.0.1:9100/#/inspector?hide=debugger&ide=VSCode&theme=dark&uri=http%3A%2F%2F127.0.0.1%3A60395%2FvWtIcpZMZs%3D%2F

Select Widget Mode | Refresh Tree | Slow Animations | Show Guidelines | Show Baselines

[root] | MyApp | MaterialApp | Scaffold | Quiz | Column | Question | Container | Text: "What's your favorite color?" | Answer | Container | RaisedButton | Text: "Black" | Answer | Container | RaisedButton | Text: "Red" | Answer | Container

Layout Explorer | Details Tree

RaisedButton

- textTheme: null
- textColor: #ffffff
- disabledTextColor: null
- color: #2196f3
- disabledColor: null
- focusColor: null
- hoverColor: null
- highlightColor: null
- splashColor: null
- colorBrightness: null
- padding: null
- visualDensity: null
- shape: null
- focusNode: null
- materialTapTargetSize: null
- elevation: null

My First App

What's your favorite color?

Black

Red

Green

White

4:49

My First App

What's your favorite color?

Black

Red

Green

White

4:49

Flutter DevTools

Console

```
null  
null  
> RaisedButton  
> Eval
```

flutter.dev/devtools/inspector

ia32-32 android

UNDERSTANDING THE REPAINT RAINBOW

DartPad | Linter for Dart | Layout widgets | Flutter | Flutter DevTools | 127.0.0.1:9100/#/inspector?hide=debugger&ide=VSCode&theme=dark&uri=http%3A%2F%2F127.0.0.1%3A60395%2FvWtIcpZMZs%3D%2F

Flutter DevTools

Flutter Inspector | Performance | CPU Profiler | Memory | Network | Logging | App Size | +

Select Widget Mode | Refresh Tree | Slow Animations | Show Guidelines | Show Baselines | Highlight Repaints | Highlight Oversized Images

[root] | MyApp | MaterialApp | Scaffold | Quiz | Column | Question | Container | Text: "What's your favorite color?" | Answer | Container | RaisedButton | Text: "Black" | Answer | Container | RaisedButton | Text: "Red" | Answer | Container

Layout Explorer | Details Tree

RaisedButton

- textTheme: null
- textColor: #ffffff
- disabledTextColor: null
- color: #2196f3
- disabledColor: null
- focusColor: null
- hoverColor: null
- highlightColor: null
- splashColor: null
- colorBrightness: null
- padding: null
- visualDensity: null
- shape: null
- focusNode: null
- materialTapTargetSize: null
- elevation: null

My First App

What's your favorite animal?

Rabbit

Snake

Elephant

Lion

4:49

er.dart:13:14

Console

```
> RaisedButton
flutter: 1
flutter: We have more questions!
> Eval
```

flutter.dev/devtools/inspector

32-32 android

DartPad | Linter for Dart | Layout widgets | Flutter | Flutter DevTools | 127.0.0.1:9100/#/inspector?hide=debugger&ide=VSCode&theme=dark&uri=http%3A%2F%2F127.0.0.1%3A60395%2FvWtIcpZMZs%3D%2F

Flutter DevTools

Flutter Inspector | Performance | CPU Profiler | Memory | Network | Logging | App Size | +

Select Widget Mode | Refresh Tree | Slow Animations | Show Guidelines | Show Baselines | Highlight Repaints | Highlight Oversized Images

[root] | MyApp | MaterialApp | Scaffold | Quiz | Column | Question | Container | Text: "What's your favorite color?" | Answer | Container | RaisedButton | Text: "Black" | Answer | Container | RaisedButton | Text: "Red" | Answer | Container

Layout Explorer | Details Tree

RaisedButton

- textTheme: null
- textColor: #ffffff
- disabledTextColor: null
- color: #2196f3
- disabledColor: null
- focusColor: null
- hoverColor: null
- highlightColor: null
- splashColor: null
- colorBrightness: null
- padding: null
- visualDensity: null
- shape: null
- focusNode: null
- materialTapTargetSize: null
- elevation: null

My First App
You are so bad!
Restart Quiz!

Console

```
flutter: We have more questions!
flutter: 3
flutter: No more questions!
> Eval
```

flutter.dev/devtools/inspector

32-32 android

DartPad | Linter for Dart | Layout widgets | Flutter | Flutter DevTools | 127.0.0.1:9100/#/performance?hide=debugger&ide=VSCode&theme=dark&uri=http%3A%2F%2F127.0.0.1%3A60395%2FvWtICpZMZs%3D%2F

Flutter DevTools

Performance

ERROR You are running your app in debug mode. Debug mode performance is not indicative of release performance.
Relaunch your application with the '`-profile`' argument, or [relaunch in profile mode from VS Code or IntelliJ](#).

ERROR Shader compilation jank detected. 1 frame janked with a total of 35.8 ms spent in shader compilation.
To pre-compile shaders, see the instructions at <https://flutter.dev/docs/perf/rendering/shader#how-to-use-sksl-warmup>.

Performance Overlay | Enhance Tracing | More

Timeline Events

UI

[No event selected]

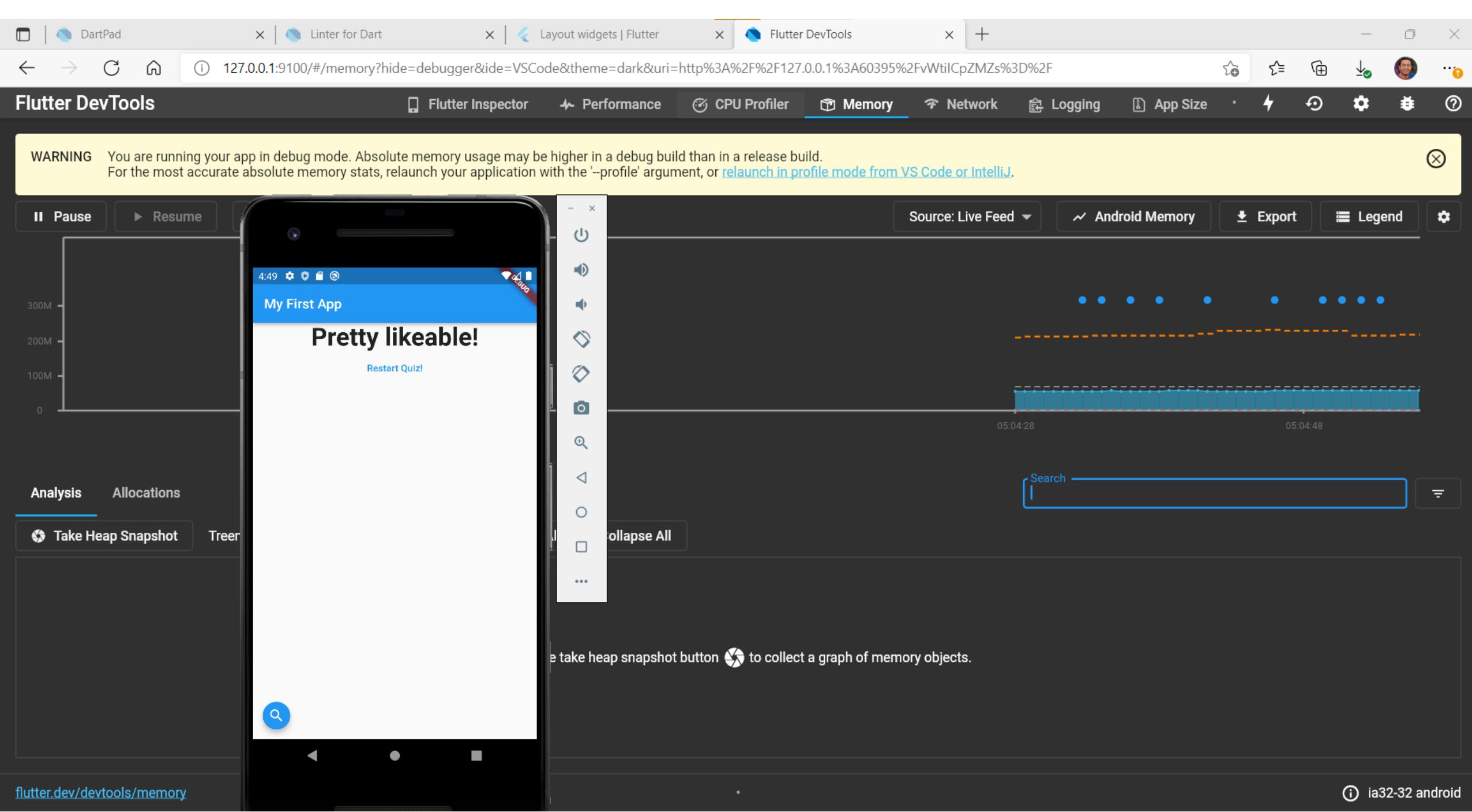
Select an event from the Timeline to view details

4:49 My First App You are so bad! Restart Quiz!

Flutter Inspector | CPU Profiler | Memory | Network | Logging | App Size | Settings | Help

Flutter DevTools | 127.0.0.1:9100/#/performance?hide=debugger&ide=VSCode&theme=dark&uri=http%3A%2F%2F127.0.0.1%3A60395%2FvWtICpZMZs%3D%2F

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Flutter DevTools

Flutter Inspector

Performance

CPU Profiler

Memory

Network

Logging

App Size



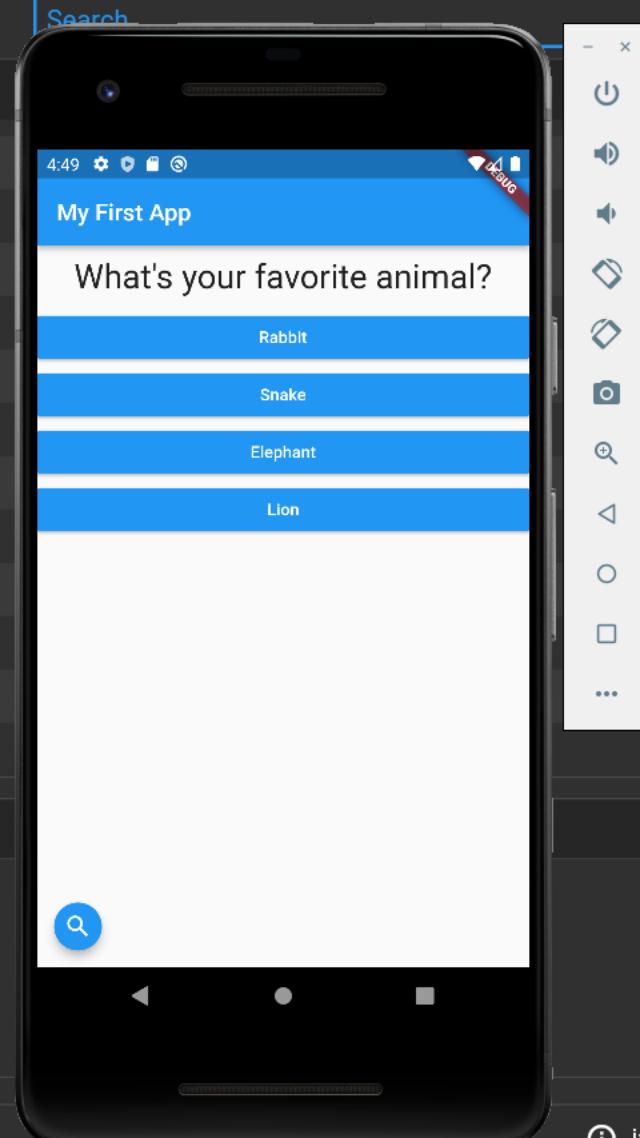
Clear

Show structured errors

When Kind Message

| | | |
|--------------|---------------|---|
| 05:06:46.264 | stdout | flutter: We have more questions! |
| 05:06:46.267 | flutter.frame | #257 16.7ms |
| 05:06:46.269 | flutter.frame | #258 36.9ms |
| 05:06:46.269 | flutter.frame | #259 46.7ms |
| 05:06:46.269 | flutter.frame | #260 42.9ms |
| 05:06:46.422 | flutter.frame | #261 56.9ms |
| 05:06:46.422 | flutter.frame | #262 115.1ms |
| 05:06:46.553 | flutter.frame | #263 53.4ms |
| 05:06:46.556 | flutter.frame | #264 42.5ms |
| 05:06:46.556 | flutter.frame | #265 48.8ms |
| 05:06:46.556 | flutter.frame | #266 34.7ms |
| 05:06:46.572 | gc | main · idle collection in 1883 ms · 58.1 MB used of 69.5 MB |

Details



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