

Desenvolvimento Full Stack

Nível 2: Posso Criar um App de Outra Forma

2023.1

Mundo 4 Período 2024.3

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Microatividade 1: Preparação do ambiente

```
HAF@HAF-i5 MINGW64 ~  
$ flutter doctor  
Doctor summary (to see all details, run flutter doctor -v):  
[✓] Flutter (Channel stable, 3.24.3, on Microsoft Windows [versão 10.0.22631.4317], locale pt-BR)  
[✓] Windows Version (Installed version of Windows is version 10 or higher)  
[✓] Android toolchain - develop for Android devices (Android SDK version 35.0.0)  
[✓] Chrome - develop for the web  
[✓] Visual Studio - develop Windows apps (Visual Studio Community 2022 17.11.5)  
[✓] Android Studio (version 2024.1)  
[✓] VS Code (version 1.93.1)  
[✓] Connected device (3 available)  
[✓] Network resources  
  
• No issues found!  
  
HAF@HAF-i5 MINGW64 ~  
$
```

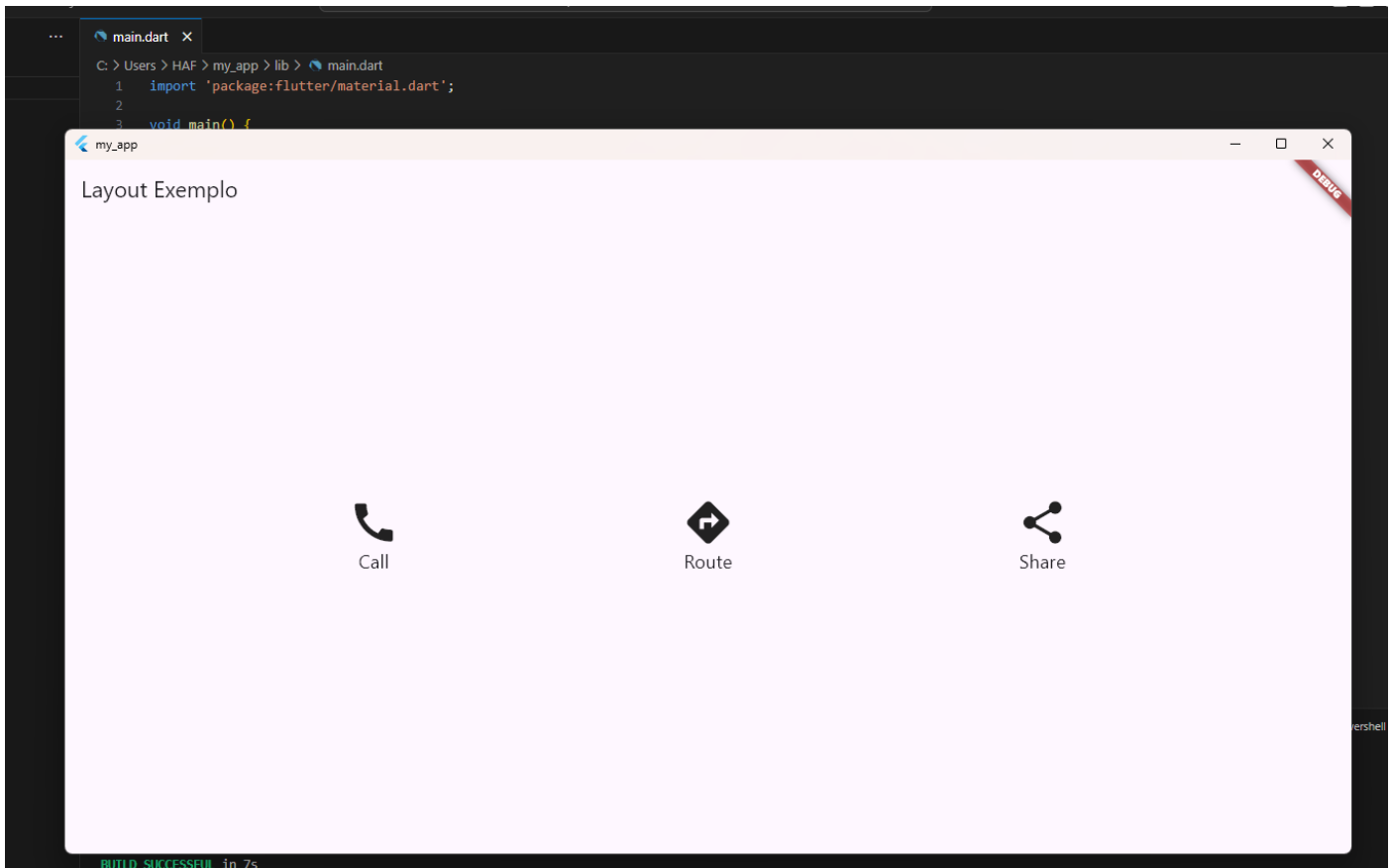
Microatividade 2: Utilização de Widgets Flutter Básicos - MaterialApp, Scaffold e AppBar

The screenshot displays the Flutter development environment setup and a running application. On the left, a Windows terminal window shows the following commands and output:

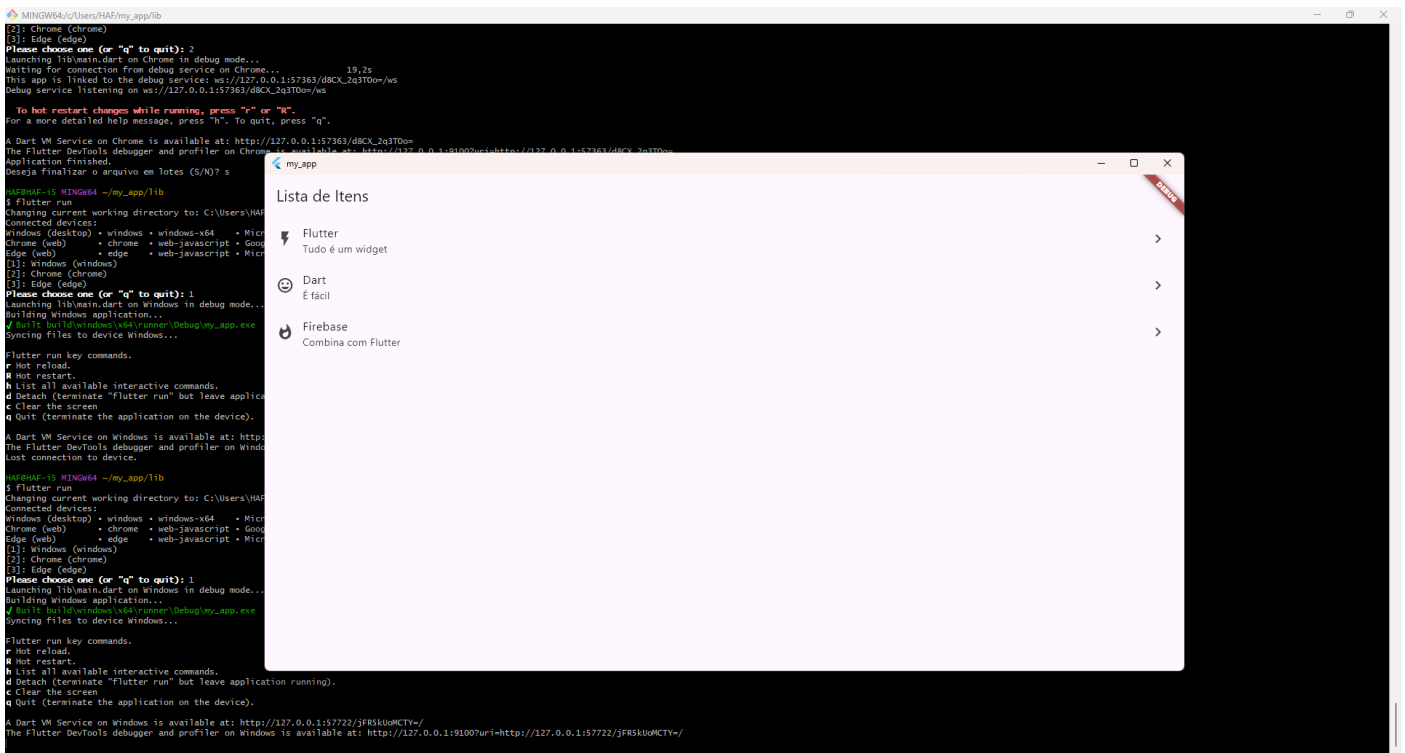
```
MINGW64/C:/Users/HAF/my_app/lib  
$ flutter doctor  
Doctor summary (to see all details, run flutter doctor -v):  
[✓] Flutter (Channel stable, 3.24.3, on Microsoft Windows [versão 10.0.22631.4317], locale pt-BR)  
[✓] Windows Version (Installed version of Windows is version 10 or higher)  
[✓] Android toolchain - develop for Android devices (Android SDK version 35.0.0)  
[✓] Chrome - develop for the web  
[✓] Visual Studio - develop Windows apps (Visual Studio Community 2022 17.11.5)  
[✓] Android Studio (version 2024.1)  
[✓] VS Code (version 1.93.1)  
[✓] Connected device (3 available)  
[✓] Network resources  
  
• No issues found!  
  
HAF@HAF-i5 MINGW64 ~  
$ flutter create my_app  
Creating project my_app...  
Resolving dependencies in my_app... (3.8s)  
Downloading packages...  
Got dependencies in my_app.  
Wrote 129 files.  
All done!  
You can find general documentation for Flutter at: https://docs.flutter.dev/  
Detailed API documentation is available at: https://api.flutter.dev/  
If you prefer video documentation, consider: https://www.youtube.com/c/flutterdev  
  
In order to run your application, type:  
  
$ cd my_app  
$ flutter run  
  
Your application code is in my_app/lib/main.dart.  
  
HAF@HAF-i5 MINGW64 ~  
$ cd my_app  
HAF@HAF-i5 MINGW64 ~/my_app  
$ ls  
README.md analysis_options.yaml android/ ios/ lib/ linux/ macos/ my_app.iml pubspec.lock pubspec.yaml test/ web/ windows/  
HAF@HAF-i5 MINGW64 ~/my_app  
$ cd lib  
HAF@HAF-i5 MINGW64 ~/my_app/lib  
$ ls  
main.dart  
HAF@HAF-i5 MINGW64 ~/my_app/lib  
$ main.dart  
bash: main.dart: command not found  
HAF@HAF-i5 MINGW64 ~/my_app/lib  
$ flutter run  
Changing current working directory to: C:\Users\HAF\my_app  
Connected devices:  
Windows (desktop) • windows • windows-x64 • Microsoft Windows [versão 10.0.22631.4317]  
Chrome (web) • chrome • web-javascript • Google Chrome 129.0.6668.90  
Edge (web) • edge • web-javascript • Microsoft Edge 129.0.2792.79  
[1]: Windows (windows)  
[2]: Chrome (chrome)  
[3]: Edge (edge)  
Please choose one (or "q" to quit): 2  
Launching lib/main.dart on Chrome in debug mode... 19.2s  
Waiting for connection from debug service on Chrome...  
This app is linked to the debug service: ws://127.0.0.1:57363/dBCK_2q3T0m/ws  
Debug service listening on ws://127.0.0.1:57363/dBCK_2q3T0m/ws  
  
To hot restart changes while running, press "r" or "R".  
For a more detailed help message, press "h". To quit, press "q".  
  
A Dart VM Service on Chrome is available at: http://127.0.0.1:57363/dBCK_2q3T0m  
The Flutter DevTools debugger and profiler on Chrome is available at: http://127.0.0.1:57363/dBCK_2q3T0m
```

On the right, a web browser window shows the application running at localhost:57325. The page displays the text "Olá Flutter - MaterialApp" and the URL "Macoratti.net".

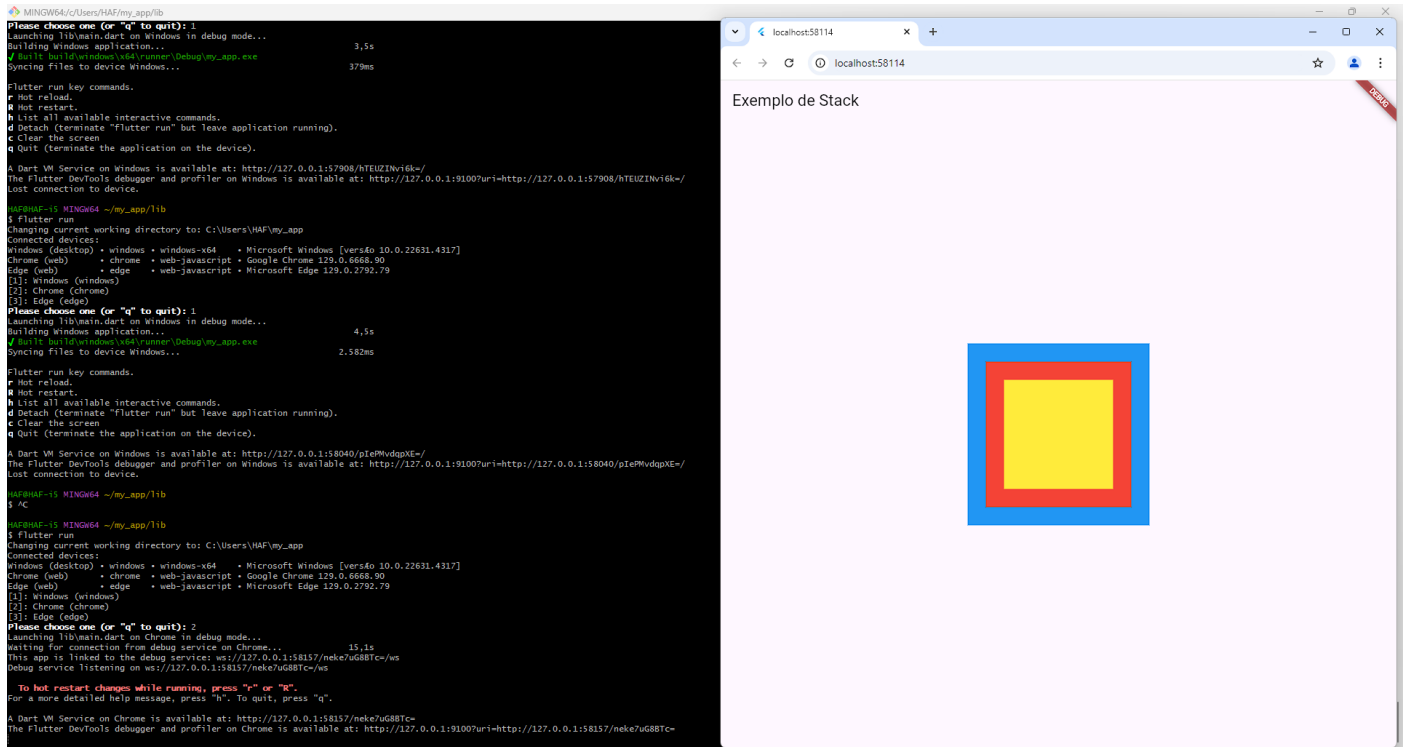
Microatividade 3: Criação de layouts básicos com os Widgets



Microatividade 4: Utilização do Widget ListView em Flutter



Microatividade 5: Desenvolvimento de Outra Funcionalidade para o Widget em Flutter



Missão Prática | Posso criar um App de outra forma!

```

# Hot reload.
# List all available interactive commands.
# Detach (terminate "Flutter run" but leave application running).
# Clear the screen.
# Quit (terminate the application on the device).

A Dart VM Service on Windows is available at: http://127.0.0.1:51952/L2ZSYZPV5Gsl/
The Flutter DevTools debugger and profiler on Windows is available at: http://127.0.0.1:9100?uri=http://127.0.0.1:51952/L2ZSYZPV5Gsl/
Lost connection to device.

SUPRIMAF is MIN64 - /my_app/lib
$ flutter run
Changing current working directory to: C:\Users\HAF\my_app
Connected devices:
Windows (web) • windows • windows-x64 • Microsoft Windows [Versão 10.0.22631.4317]
chrome • chrome • web-javascript • Google Chrome 129.0.6688.90
Edge (web) • edge • web-javascript • Microsoft Edge 129.0.2792.79
[1]: Windows (windows)
[2]: Chrome (chrome)
[3]: Edge (edge)
Please choose one (or "q" to quit): 1
Launching lib\main.dart on Windows in debug mode...
Building Windows application...
✓ Built build\windows\x64\runner\Debug\my_app.exe
11.7s

===== EXCEPTION CAUGHT BY RENDERING LIBRARY =====
The following assertion was thrown during layout:
A RenderFlex overflowed by 20 pixels on the bottom.

The relevant error-causing widget was:
Column
ColumnFile:\C:\Users\HAF\my_app\lib\main.dart:158:16

The overflow RenderFlex has an orientation of Axis.vertical.
The edge of the RenderFlex that is overflowing has been marked in the rendering with a yellow and black striped pattern. This is usually caused by the contents being too big for the RenderFlex. Consider applying a Flex factor (e.g. using an Expanded widget) to force the children of the RenderFlex to fit within the available space instead of being sized to their natural size. This is considered an error condition because it indicates that there is content that cannot be fitted. If the content is legitimately bigger than the available space, consider clipping it with a ClipRect widget before putting it in the Flex, or using a scrollable container rather than a Flex, like a ListView.

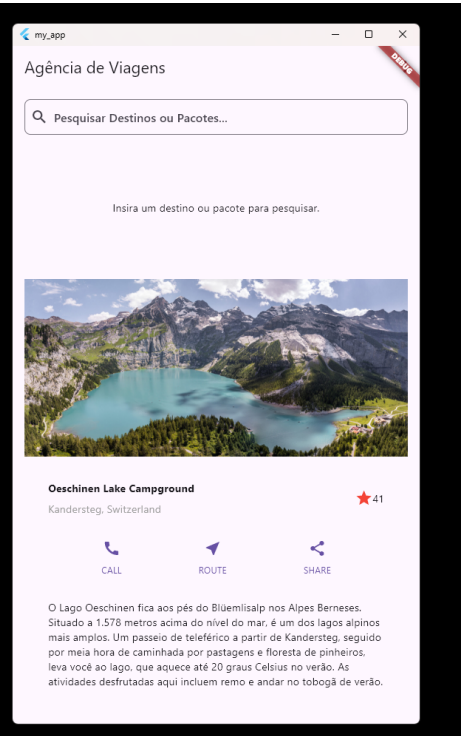
The specific RenderFlex in question is: RenderFlex#7ce27 relayoutBoundary=up2 OVERFLOWING;
state: composing;
creator: Column • Peding - KeyedSubtree [GlobalKey#96dbb] • _BodyBuilder - MediaQuery - LayoutBuilder [CachedData: body=3] • CustomPaint [Layout: ActionsScope • Actions - AnimatedBuilder - DefaultTextStyle - AnimatedDefaultTextStyle -
parentData: offset=offset(16.0, 16.0) (can use size)
constraints: BoxConstraints(0.0≤w≤1232.0, 0.0≤h≤593.0)
size: Size(1232.0, 593.0)
direction: vertical
mainAxisAlignment: start
mainAxisSize: max
crossAxisAlignment: center
verticalDirection: down
=====
=====

Syncing files to device Windows...
912ms

# Hot reload.
# Hot restart.
# List all available interactive commands.
# Detach (terminate "Flutter run" but leave application running).
# Clear the screen.
# Quit (terminate the application on the device).

A Dart VM Service on Windows is available at: http://127.0.0.1:51961/DAl00DnykVw/
The Flutter DevTools debugger and profiler on Windows is available at: http://127.0.0.1:9100?uri=http://127.0.0.1:51961/DAl00DnykVw/

```



Endereço do projeto no GITHUB

<https://github.com/BrenoSouza2023/Miss-o-Pratica-Nivel-2-Mundo-4.git>