

Tarefa 9 - PV26465

Código:

```
import 'dart:io';
import 'package:flutter/material.dart';
import 'package:camera/camera.dart';
import
'package:path_provider/path_provider.dart';
import 'package:path/path.dart' as p;
import 'package:go_router/go_router.dart';

late final List<CameraDescription> cameras;

void main() async {
  WidgetsFlutterBinding.ensureInitialized();
  cameras = await availableCameras();

  runApp(MyApp());
}

final _router = GoRouter(
  routes: [
    GoRoute(
      path: '/',
      builder: (context, state) => const
HomeScreen(),
```

```

    ),
    GoRoute(
      path: '/camera',
      builder: (context, state) {
        final camera = state.extra as
CameraDescription;
        return CameraScreen(camera: camera);
      },
    ),
    GoRoute(
      path: '/preview',
      builder: (context, state) {
        final imagePath = state.extra as
String;
        return PreviewScreen(imagePath:
imagePath);
      },
    ),
  ],
);

```

```

class MyApp extends StatelessWidget {
  const MyApp({super.key});

  @override
  Widget build(BuildContext context) {
    return MaterialApp.router(

```

```

        routerConfig: _router,
        debugShowCheckedModeBanner: false,
        title: 'Tarefa 9',
    );
}
}

class HomeScreen extends StatelessWidget {
  const HomeScreen({super.key});

  @override
  Widget build(BuildContext context) {
    final firstCamera = cameras.first;

    return Scaffold(
      appBar: AppBar(title: const
Text('Página Inicial')),
      body: Center(
        child: ElevatedButton(
          onPressed: () {
            context.go('/camera', extra:
firstCamera);
          },
          child: const Text('Abrir Câmera'),
        ),
      ),
    );
  }
}

```

```
}  
}  
  
class CameraScreen extends StatefulWidget {  
  final CameraDescription camera;  
  const CameraScreen({super.key, required  
this.camera});  
  
  @override  
  State<CameraScreen> createState() =>  
_CameraScreenState();  
}  
  
class _CameraScreenState extends  
State<CameraScreen> {  
  late CameraController _controller;  
  late Future<void>  
_initializeControllerFuture;  
  
  @override  
  void initState() {  
    super.initState();  
    _controller =  
CameraController(widget.camera,  
ResolutionPreset.medium);  
    _initializeControllerFuture =  
_controller.initialize();  
  }  
}
```

```

}

@override
void dispose() {
  _controller.dispose();
  super.dispose();
}

Future<void> _takePicture() async {
  await _initializeControllerFuture;
  final XFile xfile = await
_controller.takePicture();

  final directory = await
getTemporaryDirectory();
  final imagePath = p.join(directory.path,
'${DateTime.now()}.jpg');
  await File(xfile.path).copy(imagePath);

  if (!mounted) return;
  context.go('/preview', extra: imagePath);
}

@override
Widget build(BuildContext context) {
  return Scaffold(

```

```
    appBar: AppBar(title: const Text('Tirar
Foto')),
    body: FutureBuilder(
      future: _initializeControllerFuture,
      builder: (context, snapshot) {
        if (snapshot.connectionState ==
ConnectionState.done) {
          return Stack(
            children: [
              CameraPreview(_controller),
              Align(
                alignment:
Alignment.bottomCenter,
                child: Padding(
                  padding: const
EdgeInsets.all(20.0),
                  child:
FloatingActionButton(
                    onPressed:
_takePicture,
                    child: const
Icon(Icons.camera_alt),
                  ),
                ),
              ),
            ],
          );
        }
      }
    );
```

```

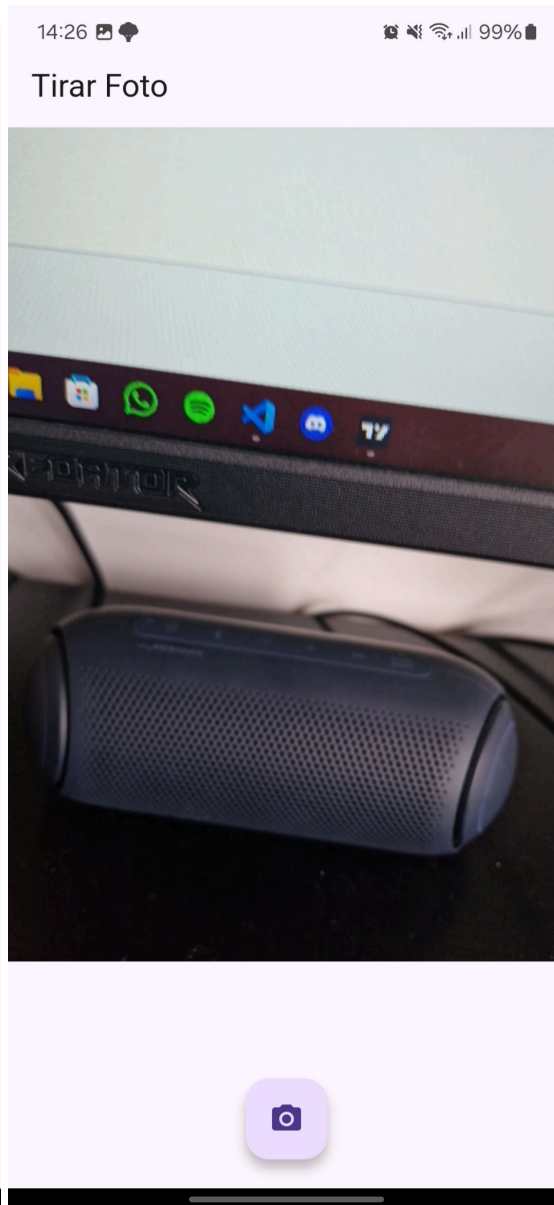
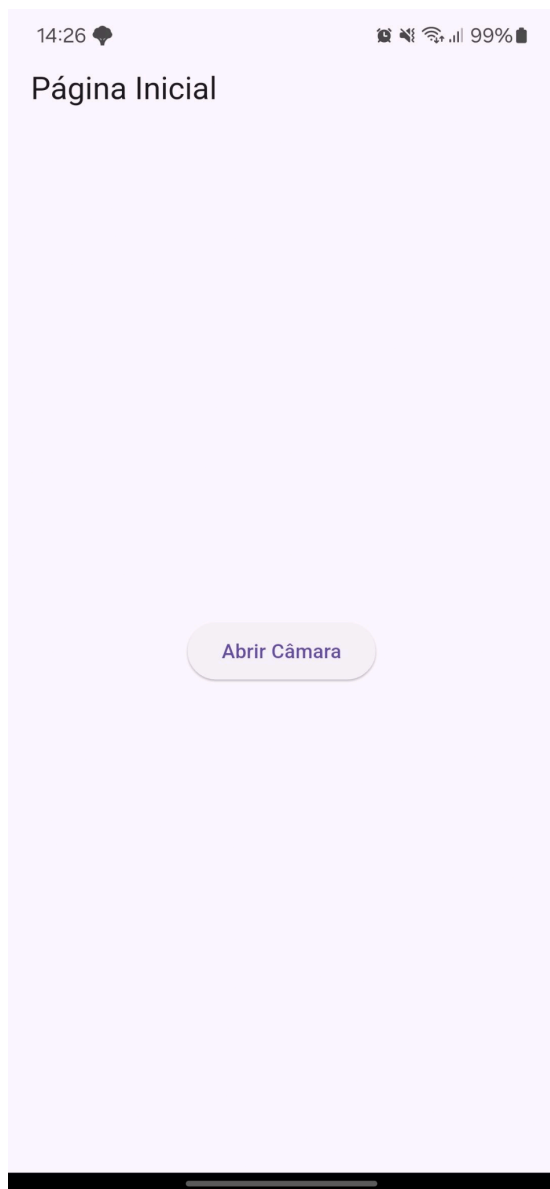
        } else {
            return const Center(child:
CircularProgressIndicator());
        }
    },
),
);
}
}

class PreviewScreen extends StatelessWidget {
    final String imagePath;
    const PreviewScreen({super.key, required
this.imagePath});

    @override
    Widget build(BuildContext context) {
        return Scaffold(
            appBar: AppBar(title: const
Text('Imagen')),
            body: Center(child:
Image.file(File(imagePath))),
        );
    }
}

```

Rotas/Páginas



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Imagem

