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```
▼ pages
  ▼ home
    home_controller.dart
    home_page.dart
  ▼ request_permission
    request_permission_controller.dart
    request_permission_page.dart
```

```
request_permission_controller.dart ×
lib > app > ui > pages > request_permission > request_permission_controller.dart > RequestPermissionController > notify
1  import 'dart:async';
2
3  import 'package:permission_handler/permission_handler.dart';
4
5  class RequestPermissionController {
6    final Permission _locationlPermission;
7
8    RequestPermissionController(this._locationlPermission);
9
10   final streamController = StreamController<PermissionStatus>.broadcast();
11
12   Stream<PermissionStatus> get onStatusChanged => streamController.stream;
13 }
```



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```
13
14   request() async {
15     final status = await _locationPermission.request();
16     notify(status);
17   }
18
19   void notify(PermissionStatus status) {
20     if (!streamController.isClosed && streamController.hasListener) {
21       streamController.sink.add(status);
22     }
23   }
24
25   void dispose() {
26     streamController.close();
27   }
28 }
```

routes.dart X

lib > app > ui > pages > routes > routes.dart > ...

```
1  abstract class Routes {
2    // ignore: constant_identifier_names
3    static const SPLASH = '/';
4    // ignore: constant_identifier_names
5    static const HOME = '/home';
6    // ignore: constant_identifier_names
7    static const PERMISSIONS = '/permissions';
8  }
9  |
```



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request_permission_page.dart ×

```
lib > app > ui > pages > request_permission > request_permission_page.dart > _RequestPermissionPageState
1  import 'dart:async';
2
3  import 'package:flutter/material.dart';
4  import 'package:my_map/app/ui/pages/request_permission/
   request_permission_controller.dart';
5  import 'package:my_map/app/ui/pages/routes/routes.dart';
6  import 'package:permission_handler/permission_handler.dart';
7
8  class RequestPermissionPage extends StatefulWidget {
9    const RequestPermissionPage({super.key});
10
11    @override
12    State<RequestPermissionPage> createState() => _RequestPermissionPageState();
13  }
14
15  class _RequestPermissionPageState extends State<RequestPermissionPage> {
16    final _controller = RequestPermissionController(Permission.locationWhenInUse);
17    late StreamSubscription _subscription;
18
19    @override
20    void initState() {
21      super.initState();
22      _subscription = _controller.onStatusChanged.listen((status) {
23        if (status == PermissionStatus.granted) {
24          Navigator.pushReplacementNamed(context, Routes.HOME);
25        }
26      });
27    }
28  }
```



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```
28
29  @override
30  void dispose() {
31    _subscription.cancel();
32    _controller.dispose();
33    super.dispose();
34  }
35
36  @override
37  Widget build(BuildContext context) {
38    return Scaffold(
39      body: SafeArea(
40        child: Container(
41          width: double.infinity,
42          height: double.infinity,
43          alignment: Alignment.center,
44          child: ElevatedButton(
45            child: const Text("Permitir"),
46            onPressed: () {
47              _controller.request();
48            },
49          ), // ElevatedButton
50        ), // Container
51      ), // SafeArea
52    ); // Scaffold
53  }
54 }
```



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main.dart x

lib > main.dart > MainApp

```
1 import 'package:flutter/material.dart';
2 import 'package:my_map/app/ui/pages/routes/routes.dart';
```

3

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```
4 void main() {
5   runApp(const MainApp());
6 }
```

7

```
8 class MainApp extends StatelessWidget {
9   const MainApp({super.key});
```

10

```
11   @override
12   Widget build(BuildContext context) {
13     return MaterialApp(
14       title: 'Google Maps',
15       theme: ThemeData(
16         primarySwatch: Colors.blue,
17       ), // ThemeData
18       initialRoute: Routes.SPLASH,
19     ); // MaterialApp
20   }
21 }
```

22



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splash_page.dart X

```
lib > app > ui > pages > splash > splash_page.dart > ...
1  import 'package:flutter/material.dart';
2
3  class SplashPage extends StatelessWidget {
4    const SplashPage({super.key});
5
6    @override
7    Widget build(BuildContext context) {
8      return const Scaffold(
9        body: Center(
10         child: CircularProgressIndicator(),
11       ), // Center
12     ); // Scaffold
13   }
14 }
15
```

pages.dart X

```
lib > app > ui > pages > routes > pages.dart > ...
1  import 'package:flutter/material.dart';
2  import 'package:my_map/app/ui/pages/home/home_page.dart';
3  import 'package:my_map/app/ui/pages/request_permission/request_permission_page.dart';
4  import 'package:my_map/app/ui/pages/routes/routes.dart';
5  import 'package:my_map/app/ui/pages/splash/splash_page.dart';
6
7  Map<String, Widget Function(BuildContext)> appRoutes() {
8    return {
9      Routes.SPLASH: (_) => const SplashPage(),
10     Routes.PERMISSIONS: (_) => const RequestPermissionPage(),
11     Routes.HOME: (_) => const Homepage(), //
12   };
13 }
```



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main.dart X

lib > main.dart > MainApp > build

```
1 import 'package:flutter/material.dart';
2 import 'package:my_map/app/ui/pages/routes/pages.dart';
3 import 'package:my_map/app/ui/pages/routes/routes.dart';
4
```

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```
5 void main() {
6   runApp(const MainApp());
7 }
```

```
8
9 class MainApp extends StatelessWidget {
10   const MainApp({super.key});
```

```
11
12   @override
13   Widget build(BuildContext context) {
14     return MaterialApp(
15       title: 'Google Maps',
16       theme: ThemeData(
17         primarySwatch: Colors.blue,
18       ), // ThemeData
19       initialRoute: Routes.SPLASH,
20       routes: appRoutes(),
21     ); // MaterialApp
22   }
23 }
24
```