

# ApiRest

## Código

### Main.dart

```
import 'package:flutter/material.dart';
import 'MyApi.dart';

void main() {
  runApp(const MyApp());
}

class MyApp extends StatelessWidget {
  const MyApp({Key? key}) : super(key: key);

  // This widget is the root of your application.
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Flutter Demo',
      theme: ThemeData(
        // This is the theme of your application.
        //
        // Try running your application with "flutter run". You'll see
        the
        // application has a blue toolbar. Then, without quitting the
        app, try
        // changing the primarySwatch below to Colors.green and then
        invoke
        // "hot reload" (press "r" in the console where you ran "flutter
        run",
        // or simply save your changes to "hot reload" in a Flutter IDE).
        // Notice that the counter didn't reset back to zero; the
        application
        // is not restarted.
        primarySwatch: Colors.blue,
      ),
      home: MyApi(),
    );
  }
}
```

# MyApi.dart

```
import 'dart:convert';
import 'package:flutter/material.dart';
import 'package:http/http.dart' as http;

class MyApi extends StatefulWidget {
  MyApi({Key? key}) : super(key: key);

  @override
  _MyApiState createState() => _MyApiState();
}

class _MyApiState extends State<MyApi> {
  @override
  void initState() {
    //response = fetchUsers();
    super.initState();
  }

  Future<List<dynamic>> fetchUsers() async {
    var result = await http
      .get(Uri.parse("https://gorest.co.in/public/v2/users?page=1"));
    return jsonDecode(result.body);
  }

  myApiWidget() {
    return FutureBuilder(
      future: fetchUsers(),
      builder: (BuildContext context, AsyncSnapshot snapshot) {
        if (snapshot.hasData) {
          return ListView.builder(
            itemCount: snapshot.data.length,
            itemBuilder: (BuildContext context, int index) {
              String url = snapshot.data[index]['gender'];
              String status = snapshot.data[index]['status'];
              return Card(
                child: Column(
                  children: [
                    if (url == 'female') ...[
                      ListTile(
                        title: Text(snapshot.data[index]['name']),
                        trailing: Column(
                          children: [
                            if (status == 'inactive') ...[
                              Icon(
                                Icons.circle,
                                color: Colors.red,
```



```

        ],
      ),
      leading: const CircleAvatar(
        backgroundImage: NetworkImage(
          'https://thumbs.dreamstime.com/z/icono-del-
hombre-de-avatar-dise%C3%B1o-de-los-empresarios-gr%C3%A1fico-de-vector-
73570702.jpg',
        ),
      ),
      subtitle: Text(snapshot.data[index]['email']),
    )
  ],
),
);
},
);
} else {
  return Center(
    child: CircularProgressIndicator(),
  );
}
},
);
}
}

@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(
      title: Text("Geeks for Geeks"),
    ),
    body: myApiWidget(),
  );
}
}

```

# Resultados

The image shows a web application on the left and a code editor on the right. The web application, titled 'Geeks for Geeks', displays a list of team members with their names, email addresses, and status indicators (green or red circles). The code editor, Visual Studio Code, shows a Dart file named 'main.dart' with the following code:

```
import 'package:flutter/material.dart';
import 'MyApi.dart';

void main() {
  runApp(const MyApp());
}

class MyApp extends StatelessWidget {
  const MyApp({Key? key}) : super(key: key);

  // This widget is the root of your application
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Flutter Demo',
      theme: ThemeData(
        // This is the theme of your application
        // Try running your application with
        // application has a blue toolbar. To
        // change the primarySwatch below
        // "hot reload" (press "r" in the console)
        // or simply save your changes to "hot reload"
        // Notice that the counter didn't reset
      ),
    );
  }
}
```

The code editor also shows a file explorer on the left with the following structure:

- main.dart
- MyApi.dart
- linux
- macos
- test
- web
- windows
- .gitignore
- .metadata
- packages
- analysis\_options.yaml
- prueba.html
- pubspec.lock
- pubspec.yaml
- README.md
- proyecto
- ESQUEMA
- LÍNEA DE TIEMPO
- DEPENDENCIES

The bottom of the code editor shows a terminal window with the following output:

```
Launching lib/main.dart on Windows in debug mode...
Connecting to VM Service at ws://127.0.0.1:62293/IbHCEsCX-2I=ws
```