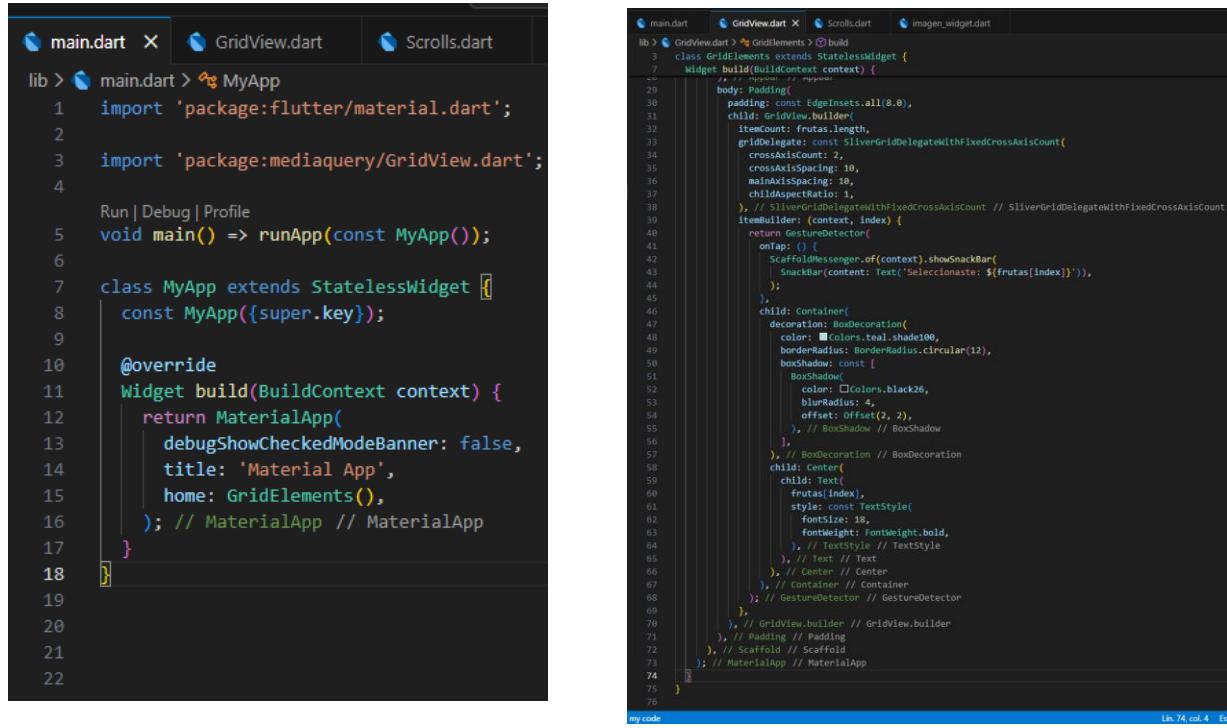


WIDGETS GRIDVIEW – 57

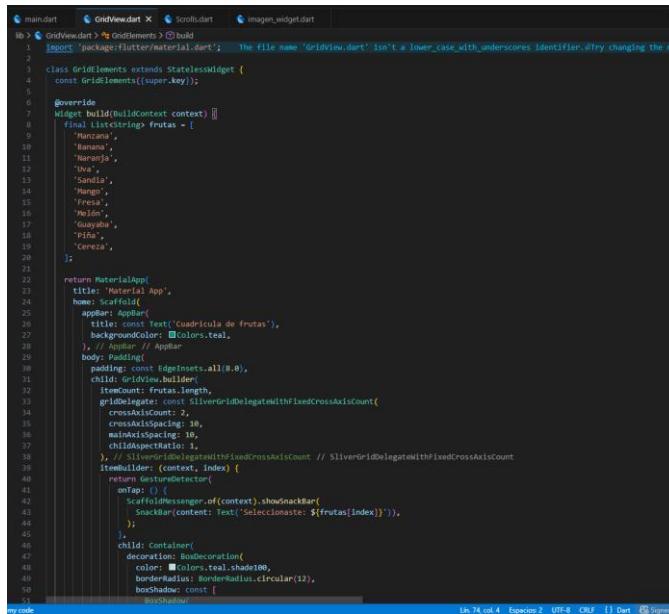


```

lib > main.dart > MyApp
  import 'package:flutter/material.dart';
  import 'package:mediaquery/GridView.dart';
  Run | Debug | Profile
  void main() => runApp(const MyApp());
  class MyApp extends StatelessWidget {
    const MyApp({super.key});
    @override
    Widget build(BuildContext context) {
      return MaterialApp(
        debugShowCheckedModeBanner: false,
        title: 'Material App',
        home: GridElements(),
      ); // MaterialApp // MaterialApp
    }
  }
  19
  20
  21
  22
  
```

```

lib > GridView.dart > GridElements > build
  class GridElements extends StatelessWidget {
    Widget build(BuildContext context) {
      // ...
      body: Padding(
        padding: const EdgeInsets.all(8.0),
        child: GridView.builder(
          itemCount: frutas.length,
          gridDelegate: const SilverGridDelegateWithFixedCrossAxisCount(
            crossAxisCount: 2,
            crossAxisSpacing: 10,
            mainAxisSpacing: 10,
            childAspectRatio: 1,
          ), // SilverGridDelegateWithFixedCrossAxisCount // SilverGridDelegateWithFixedCrossAxisCount
          itemBuilder: (context, index) {
            return GestureDetector(
              onTap: () {
                ScaffoldMessenger.of(context).showSnackBar(
                  SnackBar(content: Text('Seleccionaste: ${frutas[index]}')),
                );
              },
            );
          },
        ),
      );
    }
  }
  1
  2
  3
  4
  5
  6
  7
  8
  9
  10
  11
  12
  13
  14
  15
  16
  17
  18
  19
  20
  21
  22
  
```



```

lib > main.dart > GridElements > build
  import 'package:flutter/material.dart'; // The file name 'GridView.dart' isn't a lower_case_with_underscores identifier. Try changing the name.
  class GridElements extends StatelessWidget {
    const GridElements({super.key});
    @override
    Widget build(BuildContext context) {
      final ListStrings frutas = [
        'Manzana',
        'Banana',
        'Naranja',
        'Uva',
        'Sandia',
        'Mango',
        'Fresa',
        'Melón',
        'Cajeta',
        'Piña',
        'Cereza',
      ];
      return MaterialApp(
        title: 'Material App',
        home: Scaffold(
          appBar: AppBar(
            title: const Text('Cuadricula de frutas'),
            backgroundColor: Colors.teal,
          ), // AppBar // AppBar
          body: Padding(
            padding: const EdgeInsets.all(8.0),
            child: GridView.builder(
              itemCount: frutas.length,
              gridDelegate: const SilverGridDelegateWithFixedCrossAxisCount(
                crossAxisCount: 2,
                crossAxisSpacing: 10,
                mainAxisSpacing: 10,
                childAspectRatio: 1,
              ), // SilverGridDelegateWithFixedCrossAxisCount // SilverGridDelegateWithFixedCrossAxisCount
              itemBuilder: (context, index) {
                return GestureDetector(
                  onTap: () {
                    ScaffoldMessenger.of(context).showSnackBar(
                      SnackBar(content: Text('Seleccionaste: ${frutas[index]}')),
                    );
                  },
                );
              },
            ),
          ),
        );
      }
    }
  
```



WIDGETS LISTVIEW - 58

```
main.dart X GridView.dart Scrolls.dart
lib > main.dart > ...
1 import 'package:flutter/material.dart';
2 import 'package:mediaquery ListTile.dart';
3
4 Run | Debug | Profile
5 void main() => runApp(const MyApp());
6
7 class MyApp extends StatelessWidget {
8   const MyApp({super.key});
9
10  @override
11    Widget build(BuildContext context) {
12      return const MaterialApp(
13        debugShowCheckedModeBanner: false,
14        home: Listfile(),
15      ); // MaterialApp
16    }
17
18 }
```

```
lib > ListTile.dart > Listfile > build
1 import 'package:flutter/material.dart'; The file name
2
3 class Listfile extends StatelessWidget {
4   const Listfile({super.key});
5
6   @override
7   Widget build(BuildContext context) {
8     return MaterialApp(
9       debugShowCheckedModeBanner: false,
10      title: 'Material App',
11      home: Scaffold(
12        appBar: AppBar(
13          title: const Text('Ejemplo de ListFile'),
14        ), // AppBar // AppBar
15        body: ListView(
16          children: const [
17            ListTile(
18              leading: Icon(Icons.person),
19              title: Text('Uriel'),
20              subtitle: Text('uriel'),
21              trailing: Icon(Icons.arrow_forward_ios),
22            ), // ListTile // ListTile
23            ListTile(
24              leading: Icon(Icons.email),
25              title: Text('Correo'),
26              subtitle: Text('Uriel@gmail.com'),
27              trailing: Icon(Icons.arrow_forward_ios),
28            ), // ListTile // ListTile
29          ],
30        ), // ListView // ListView
31      ), // Scaffold // Scaffold
32    ); // MaterialApp // MaterialApp
33  }
34 }
```



WIDGETS CARDS - 59

```
main.dart Card.dart ListTile.dart GridView.dart

lib > main.dart > ...
1 import 'package:flutter/material.dart';
2 import 'Card.dart';
3
4 Run | Debug | Profile
5 void main() => runApp(const MyApp());
6
7 class MyApp extends StatelessWidget {
8   const MyApp({super.key});
9
10  @override
11    Widget build(BuildContext context) {
12      return const MaterialApp(
13        debugShowCheckedModeBanner: false,
14        home: MyCard(),
15    ); // MaterialApp
16 }
17
```

```
main.dart Card.dart ListTile.dart GridView.dart Scrolls.dart im

lib > Card.dart > ...
1 import 'package:flutter/material.dart'; The file name 'Card.dart' isn't a local file name.
2
3 class MyCard extends StatelessWidget {
4   const MyCard({super.key});
5
6   @override
7     Widget build(BuildContext context) {
8       return MaterialApp(
9         title: 'Material App',
10        home: Scaffold(
11          appBar: AppBar(
12            title: const Text('Uso de Widget Card'),
13        ), // AppBar // AppBar
14          body: Padding(
15            padding: const EdgeInsets.all(16.0),
16            child: Card(
17              elevation: 5,
18              shape: RoundedRectangleBorder(
19                borderRadius: BorderRadius.circular(15),
20            ), // RoundedRectangleBorder // RoundedRectangleBorder
21            child: const Padding(
22              padding: EdgeInsets.all(20),
23              child: Column(
24                mainAxisAlignment: MainAxisAlignment.min,
25                crossAxisAlignment: CrossAxisAlignment.start,
26                children: [
27                  Text(
28                    'Aviso importante',
29                    style: TextStyle(
30                      fontSize: 20,
31                      fontWeight: FontWeight.bold
32                    ), // TextStyle // Text
33                    SizedBox(height: 8),
34                    Text('Tienes actualizaciones pendientes en tu aplicación'),
35                  ],
36                ), // Column // Column
37                ), // Padding // Padding
38                ), // Card // Card
39                ), // Padding // Padding
40                ), // Scaffold // Scaffold
41                ); // MaterialApp // MaterialApp
42 }
43
44 }
```



SCROLL VIEWS – 60

```
lib > main.dart > ...
1 import 'package:flutter/material.dart';
2 import 'Scrolls.dart';
3
4 void main() {
5   runApp(MaterialApp(
6     debugShowCheckedModeBanner: false,
7     home: ClassScroll(),
8   )); // MaterialApp
9 }
10
```

```
main.dart •  Scrolls.dart X
lib > Scrolls.dart ▶ ClassScroll ▶ build
1 import 'package:flutter/material.dart'; The file name 'Scrolls.dart' isn't a lower_case_with_underscores identifier. Try changing the name
2
3 class ClassScroll extends StatelessWidget {
4   const ClassScroll({super.key});
5
6   @override
7   Widget build(BuildContext context) {
8     final List<Map<String, String>> libros = [
9       {"titulo": "Cien años de soledad", "autor": "Gabriel García Márquez"},
10      {"titulo": "Don Quijote de la Mancha", "autor": "Miguel de Cervantes"},
11      {"titulo": "El principito", "autor": "Antoine de Saint-Exupéry"},
12      {"titulo": "1984", "autor": "George Orwell"},
13      {"titulo": "La sombra del viento", "autor": "Carlos Ruiz Zafón"},
14      {"titulo": "Los Juegos del Hambre", "autor": "Suzanne Collins"},
15      {"titulo": "Crímen y castigo", "autor": "Féodor Dostoyevski!"},
16      {"titulo": "Orgullo y prejuicio", "autor": "Jane Austen"},
17      {"titulo": "Los juegos del hambre", "autor": "Suzanne Collins"},
18      {"titulo": "Harry Potter y la piedra filosofal", "autor": "J.K. Rowling"},

19    ];
20
21 // QUITA el MaterialApp de aqui, solo devuelve Scaffold
22 return Scaffold(
23   appBar: AppBar(
24     title: const Text('Librería El Rincón de los Libros'),
25     backgroundColor: Colors.deepPurple,
26     foregroundColor: Colors.white,
27   ), // AppBar
28   body: SingleChildScrollView(
29     padding: const EdgeInsets.all(16.0),
30     child: Column(
31       crossAxisAlignment: CrossAxisAlignment.start,
32       children: [
33         // Card de información importante
34         Card(
35           elevation: 4,
36           margin: const EdgeInsets.only(bottom: 16),
37           child: Padding(
38             padding: const EdgeInsets.all(16.0),
39             child: Column(
40               crossAxisAlignment: CrossAxisAlignment.start,
41               children: [
42                 Row(
43                   children: const [
44                     Icon(Icons.campaign, color: Colors.deepPurple),
45                     SizedBox(width: 8),
46                     Text(
47                       'Información Importante',
48                       style: TextStyle(
49                         fontSize: 18,
50                         fontWeight: FontWeight.bold,
51                     ), // TextStyle
52                   ],
53                 ),
54               ],
55             ),
56           ),
57         ),
58       ],
59     ),
60   ),
61 
```

