

TECNOLOGICO JOSE MARIO MOLINA
PASQUEL Y ENRIQUEZ UNIDAD
ACADEMICA ZAPOTLANEJO

MANUAL DE PROGRAMADOR
ADMINISTRACION Y ORGANIZACION DE
DATOS

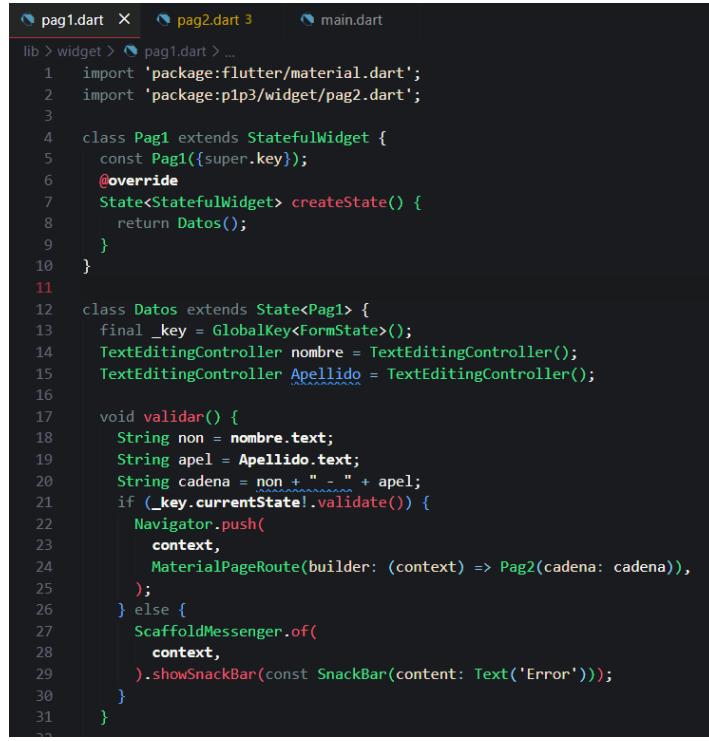
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Programa 1

Pag1.dart



```
lib > widget > pag1.dart > ...
1 import 'package:flutter/material.dart';
2 import 'package:p1p3/widget/pag2.dart';
3
4 class Pag1 extends StatefulWidget {
5   const Pag1({super.key});
6   @override
7   State<StatefulWidget> createState() {
8     return Datos();
9   }
10 }
11
12 class Datos extends State<Pag1> {
13   final _key = GlobalKey<FormState>();
14   TextEditingController nombre = TextEditingController();
15   TextEditingController Apellido = TextEditingController();
16
17 void validar() {
18   String non = nombre.text;
19   String apel = Apellido.text;
20   String cadena = non + " - " + apel;
21   if (_key.currentState!.validate()) {
22     Navigator.push(
23       context,
24       MaterialPageRoute(builder: (context) => Pag2(cadena: cadena)),
25     );
26   } else {
27     ScaffoldMessenger.of(
28       context,
29     ).showSnackBar(const SnackBar(content: Text('Error')));
30   }
31 }
32 }
```

```
void validar() {
    .showSnackBar(const SnackBar(content: Text(error)));
}

String? _vNom(String? value) {
    if (value == null || value.isEmpty) {
        return 'El campo no puede estar vacío';
    } else {
        String letra = value[0];
        if (letra.toLowerCase() != letra) {
            return 'El campo solo puede contener letras';
        } else {
            final nom = RegExp(r'^[a-z]+$');
            if (!nom.hasMatch(value)) {
                return 'El campo solo puede contener letras';
            }
        }
    }
    return null;
}
```

```
String? _vApell(String? value) {
    if (value == null || value.isEmpty) {
        return 'El campo no puede estar vacío';
    } else {
        final nom = RegExp(r'^[a-z]+$');
        if (!nom.hasMatch(value)) {
            return 'El campo solo puede contener letras';
        }
    }
}

lib > widget > pag1.dart > ...
class Datos extends State<Pag1> {
    String? _vNom(String? value) {
        if (!nom.hasMatch(value)) {
            return 'El campo solo puede contener letras';
        }
    }
    return null;
}

String? _vApell(String? value) {
    if (value == null || value.isEmpty) {
        return 'El campo no puede estar vacío';
    } else {
        final nom = RegExp(r'^[a-z]+$');
        if (!nom.hasMatch(value)) {
            return 'El campo solo puede contener letras';
        }
    }
    return null;
}

@override
Widget build(BuildContext context) {
    return Scaffold(
        appBar: AppBar(title: const Text("Pag1")),
        body: Form(
            key: _key,
            child: Column(
                children: [
                    Expanded(
                        flex: 1,
```

```
pag1.dart X pag2.dart 3 main.dart
lib > widget > pag1.dart > ...
12 class Datos extends StatefulWidget {
63   Widget build(BuildContext context) {
69     children: [
70       Expanded(
71         flex: 1,
72         child: Card(
73           child: Column(
74             children: [
75               TextFormField(
76                 controller: nombre,
77                 decoration: const InputDecoration(labelText: 'Nombre'),
78                 validator: _vNom,
79               ), // TextFormField
80               TextFormField(
81                 controller: Apellido,
82                 decoration: const InputDecoration(labelText: 'Apellido'),
83                 validator: _vApell,
84               ), // TextFormField
85             ],
86           ), // Column
87         ), // Card
88       ), // Expanded
89       Expanded(
90         flex: 1,
91         child: Padding(
92           padding: const EdgeInsets.only(top: 100),
93           child: SizedBox(
94             height: 100,
95             width: 100,
96             child: ElevatedButton(
97               onPressed: () {
98                 child: ElevatedButton(
99                   onPressed: () {
100                     validar();
101                   },
102                   child: const Text('click'),
103                 ), // ElevatedButton
104               ), // SizedBox
105             ), // Padding
106           ), // Expanded
107         ],
108       ), // Column
109     ), // Form
110   ); // Scaffold
111 }
112 }
```

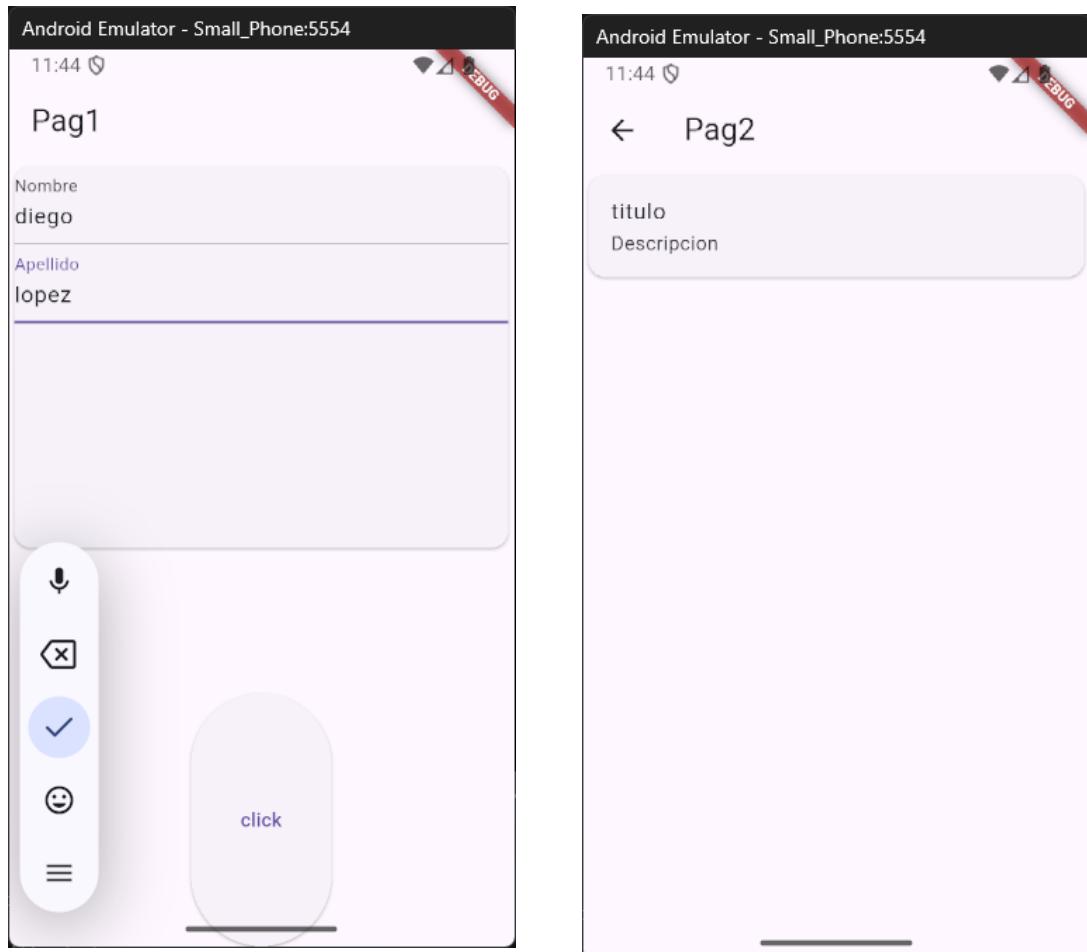
Pag2.dart



```
lib > widget > pag2.dart > ...
1 import 'package:flutter/material.dart';
2
3 class Pag2 extends StatefulWidget {
4   final String cadena;
5   const Pag2({super.key, required this.cadena});
6   @override
7   State<Pag2> createState() {
8     return Datos();
9   }
10}
11
12 class Datos extends State<Pag2> {
13   @override
14   void initState() {
15     super.initState();
16     int p = widget.cadena.indexOf(" - ");
17     String a = widget.cadena.substring(0, p);
18     String b = widget.cadena.substring(p + 1);
19     //split
20     String c = widget.cadena.split(" - ")[0];
21   }
22
23   @override
24   Widget build(BuildContext context) {
25     List<Item> item = [Item('titulo', 'Descripcion')];
26
27     return Scaffold(
28       appBar: AppBar(title: const Text("Pag2")),
29       body: ListView.builder(
30         itemCount: item.length,
31         itemBuilder: (context, index) => Card(
32           child: ListTile(
```

```
pag1.dart pag2.dart 3 X main.dart
ib > widget > pag2.dart > ...
12   class Datos extends StatelessWidget {
13     Widget build(BuildContext context) {
14       return Scaffold(
15         body: ListView.builder(
16           itemCount: item.length,
17           itemBuilder: (context, index) {
18             return Card(
19               child: ListTile(
20                 title: Text(item[index].titulo),
21                 subtitle: Text(item[index].descripcion),
22               ),
23             );
24           },
25         ),
26       );
27     }
28   }
29
30   class Item {
31     final String titulo;
32     final String descripcion;
33     Item(this.titulo, this.descripcion);
34   }
35 }
```

Resultado



Programa 2

Pagina1.dart

```
main.dart  pagina1.dart X  pagina2.dart
ib > widget > pagina1.dart > Datos
1 import 'package:flutter/material.dart';
2 import 'package:practica1u3/widget/pagina2.dart';
3
4 class Pagina1 extends StatefulWidget {
5   const Pagina1({super.key});
6
7   @override
8   State<StatefulWidget> createState() {
9     return Datos();
10  }
11 }
12
13 class Datos extends State<Pagina1> {
14   final _llave = GlobalKey<FormState>();
15   final TextEditingController nombre = TextEditingController();
16   final TextEditingController apellidos = TextEditingController();
17
18   void validar() {
19     String nom = nombre.text;
20     String ape = apellidos.text;
21     String cadena = nom + " - " + ape;
22
23     if (_llave.currentState?.validate() ?? false) {
24       Navigator.push(
25         context,
26         MaterialPageRoute(builder: (context) => Pagina2(cadena)),
27       );
28     } else {
29       ScaffoldMessenger.of(
30         context,
31       ).showSnackBar(SnackBar(content: Text('Error')));
32     }
33   }
34 }
```

⚠ app 'b0c08a0d-ee'

```
main.dart      pagina1.dart X  pagina2.dart
lib > widget > pagina1.dart > Datos
13   class Datos extends State<Pagina1> {
14     void validar() {
15       SnackBarMessenger.or(
16         context,
17       ).showSnackBar(SnackBar(content: Text('Error')));
18     }
19   }
20
21   String? _nombre(String? value) {
22     if (value == null || value.isEmpty) {
23       return "Escribe el nombre";
24     }
25
26     String letra = value[0];
27     String resto = value.substring(1);
28
29     if (letra != letra.toUpperCase()) {
30       return 'La primer letra debe ser mayúscula';
31     }
32
33     final minusculas = RegExp(r'^[a-z]+$');
34     if (!minusculas.hasMatch(resto)) {
35       return "El resto deben ser solo minúsculas";
36     }
37
38     return null;
39   }
40
41   String? vApellidos(String? value) {
42     if (value == null || value.isEmpty) {
43       return 'Escribe el nombre';
44     }
45
46   }
47
48 }
```

```
class Datos extends State<Pagina1> {
  String? vApellidos(String? value) {
    if (value == null || value.isEmpty) {
      return 'Escribe el nombre';
    }
    final nom = RegExp(r'^[a-z]+$');
    if (!nom.hasMatch(value)) {
      return 'Error solo minusculas';
    }
    return null;
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(title: Text('Practica 1'), backgroundColor: Colors.lime),
      body: Form(
        key: _llave,
        child: Column(
          children: [
            Expanded(
              flex: 3,
              child: Card(
                elevation: 15,
                child: Padding(
                  padding: const EdgeInsets.all(18.0),
                  child: Column(
                    children: [
                      TextFormField(
                        decoration: InputDecoration(labelText: 'Nombre'),
                        controller: nombre,

```

```
        TextFormField(
            decoration: InputDecoration(labelText: 'Nombre'),
            controller: nombre,
            validator: _nombre,
        ), // TextFormField
        TextFormField(
            decoration: InputDecoration(labelText: 'Apellidos'),
            controller: apellidos,
            validator: vApellidos,
        ), // TextFormField
    ],
),
), // Column
), // Padding
), // Card
), // Expanded
Expanded(
    flex: 1,
    child: Container(
        color: Colors.lightGreenAccent,
        child: Padding(
            padding: const EdgeInsets.only(top: 50, bottom: 50),
            child: SizedBox(
                width: double.infinity,
                child: ElevatedButton(
                    onPressed: validar,
                    child: Text("Aceptar"),
                ), // ElevatedButton
            ), // SizedBox
        ), // Padding
    ), // Container
),
), // Expanded
],
),
), // Column
),
), // Form
); // Scaffold
}
}
```

Pagina2.dart

```
main.dart      pagina1.dart      pagina2.dart X
lib > widget > pagina2.dart > Pagina2 > createState
1   import 'package:flutter/material.dart';
2
3   class Pagina2 extends StatefulWidget {
4     final String cadena;
5     const Pagina2({super.key, required this.cadena});
6     @override
7     State<StatefulWidget> createState() {
8       // TODO: implement createState
9       return Clases();
10    }
11  }
12
13  class Item {
14   //item de la lista
15   final String descripcion;
16   final String titulo;
17   Item(this.titulo, this.descripcion);
18 }
19
20  class Clases extends State<Pagina2> {
21   String a = "";
22   String p1 = "";
23   List<Item> items = [Item('titulo', 'descripcion')];
24
25   void agregar() {
26     setState(() {
27       int indexLista = items.length + 1;
28       items.add(Item('titulo $indexLista', 'descripcion $indexLista'));
29     });
30   }
31
32   @override
```

```
@override
void initState() {
    super.initState();
    int p = widget.cadena.indexOf(" - ");
    a = widget.cadena.substring(0, p);
    p1 = widget.cadena.substring(p + 1);
}

@Override
Widget build(BuildContext context) {
    // TODO: implement build
    return Scaffold(
        appBar: AppBar(
            title: Column(
                children: [
                    Text("${a}"),
                    Text("${p1}"),
                ],
            ),
        ),
        backgroundColor: Colors.blue,
    ), // AppBar
    body: ListView.builder(
        itemCount: items.length,
        itemBuilder: (context, index) => Card(
            child: ListTile(
                leading: Icon(Icons.ac_unit),
                title: Text(items[index].titulo),
                subtitle: Text(items[index].descripcion),
            ), // ListTile
        ), // Card
    ), // ListView.builder
    floatingActionButton: FloatingActionButton(
        onPressed: agregar,
        child: Icon(Icons.add),
    ), // FloatingActionButton
); // Scaffold
}
}
```

Main.dart

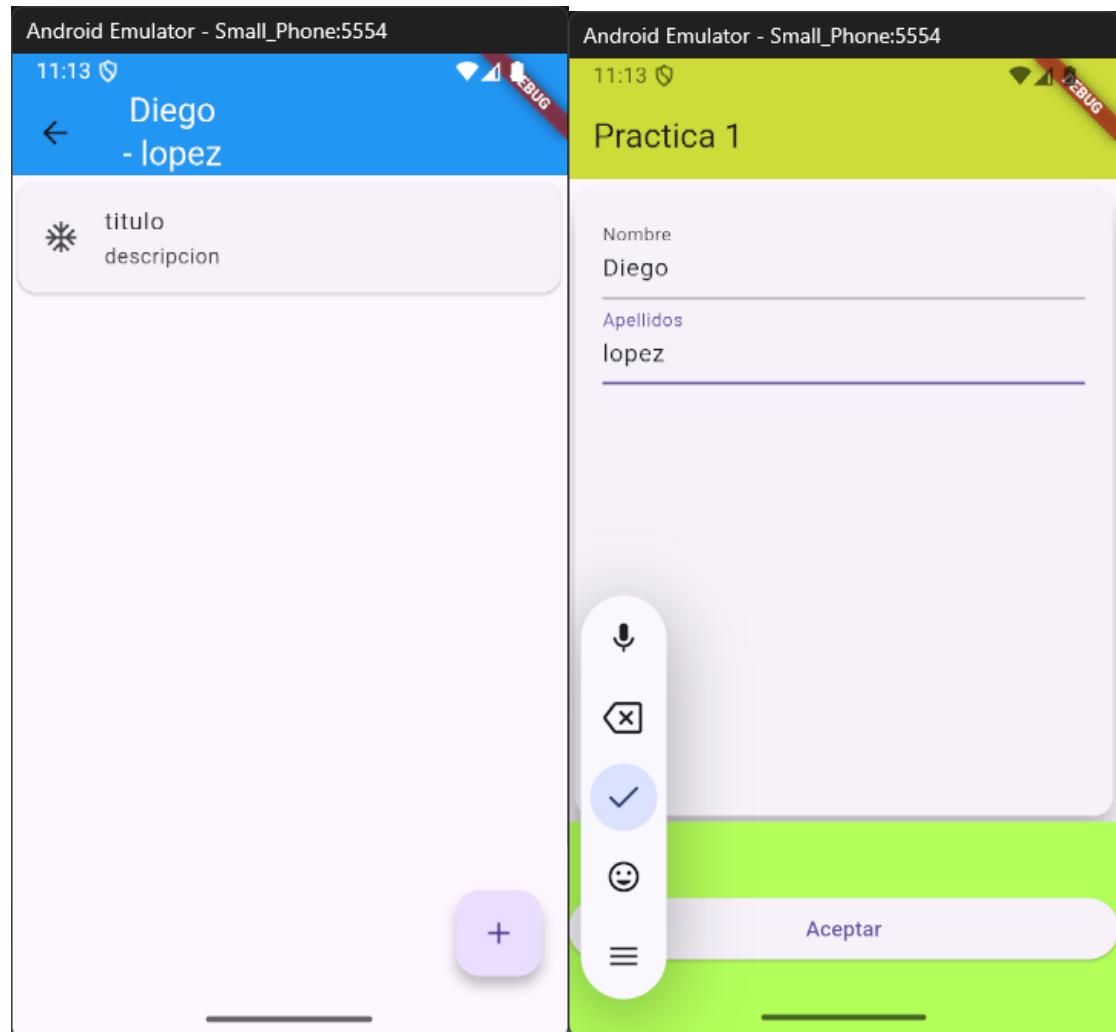
```
import 'package:flutter/material.dart';
import 'package:practica1u3/widget/pagina1.dart';

Run | Debug | Profile
void main() {
  runApp(const MyApp());
}

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

  @override
  Widget build(BuildContext context) {
    return MaterialApp(home: Pagina1());
  }
}
```

Resultado



Programa 3

Lista.dart

```
main.dart lista.dart x datos.dart
lib > widget > lista.dart > _ListaState > build
1 import 'package:flutter/cupertino.dart';
2 import 'package:flutter/material.dart';
3 import 'datos.dart';
4
5 class Lista extends StatefulWidget {
6   final List<Item> items;
7   const Lista({super.key, required this.items});
8   @override
9   State<StatefulWidget> createState() => _ListaState();
10 }
11
12 class _ListaState extends State<Lista> {
13   @override
14   Widget build(BuildContext context) [
15     final items = widget.items;
16     return Scaffold(
17       appBar: AppBar(
18         title: Text('Lista de productos'),
19         backgroundColor: const Color.fromARGB(255, 1, 179, 255),
20       ), // AppBar
21       backgroundColor: const Color.fromARGB(255, 230, 228, 228),
22       body: items.isEmpty
23         ? Center(
24           child: Text(
25             'Lista Vacia',
26             style: TextStyle(color: const Color.fromARGB(208, 244, 67, 54)),
27           ), // Text
28         ) // Center
29       : Center(
30         child: Padding(
31           padding: EdgeInsets.all(15),
```

```
main.dart lista.dart x datos.dart
0 > widget > lista.dart > _ListaState > build
12 class _ListaState extends State<Lista> {
13   Widget build(BuildContext context) {
14     child: ListView.builder(
15       itemCount: items.length,
16       itemBuilder: (context, index) {
17         final item = items[index];
18         return Card(
19           margin: EdgeInsets.all(10),
20           child: ListTile(
21             leading: Icon(Icons.production_quantity_limits),
22             title: Text(
23               item.producto,
24               style: TextStyle(
25                 color: Colors.black,
26                 fontWeight: FontWeight.bold,
27               ), // TextStyle
28             ), // Text
29             subtitle: Column(
30               crossAxisAlignment: CrossAxisAlignment.start,
31               children: [
32                 Text(
33                   item.descripcion,
34                   style: TextStyle(
35                     color: const Color.fromARGB(207, 28, 27, 27),
36                     fontWeight: FontWeight.bold,
37                   ), // TextStyle
38                 ), // Text
39                 Text(
40                   'Precio: ${item.precio}',
41                   style: TextStyle(
42                     color: const Color.fromARGB(207, 28, 27, 27),
```

```
main.dart  lista.dart  datos.dart
> widget > lista.dart > _ListaState > build
2   class _ListaState extends State<Lista> {
3     Widget build(BuildContext context) {
4       Text(
5         'Precio: ${item.precio}',
6         style: TextStyle(
7           color: const Color.fromARGB(207, 28, 27, 27),
8           fontWeight: FontWeight.bold,
9         ), // TextStyle
10        ), // Text
11      ],
12    ), // Column
13    trailing: IconButton(
14      color: const Color.fromARGB(255, 255, 34, 34),
15      onPressed: () {
16        setState(() {
17          //print('Eliminar $index');
18          items.removeAt(index);
19        });
20      },
21      icon: Icon(Icons.delete),
22    ), // IconButton
23  ), // ListTile
24  ); // Card
25  ),
26  ), // ListView.builder
27  ), // Padding
28  ), // Center
29  ); // Scaffold
30  }
31 }
```

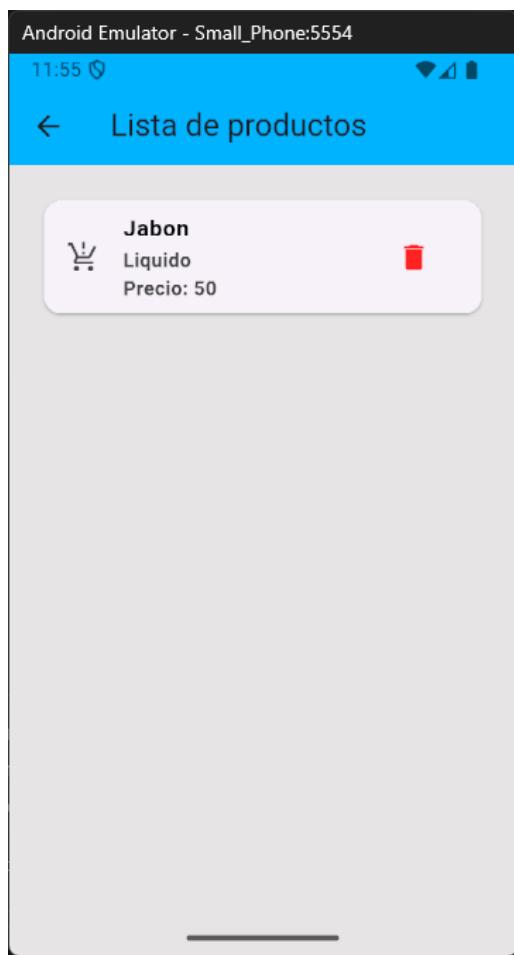
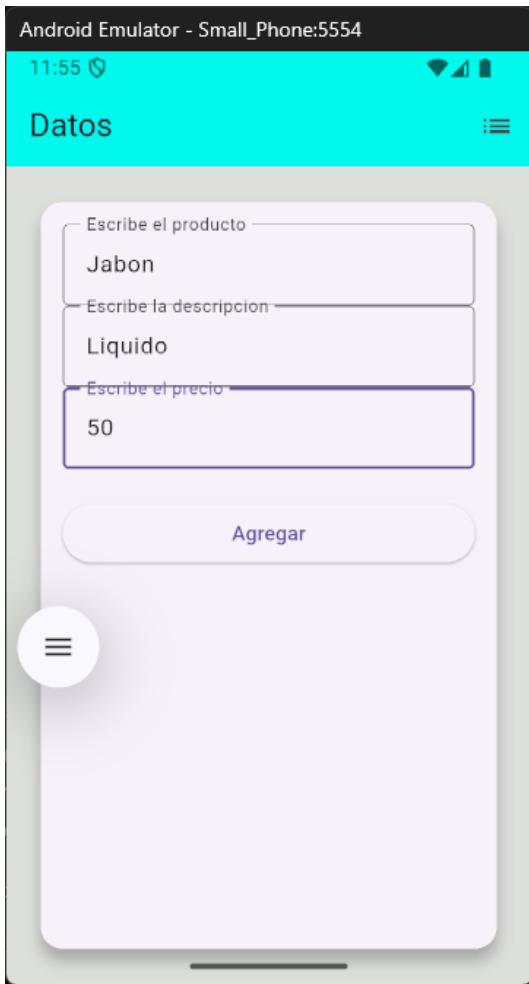
Datos.dart

```
main.dart    lista.dart    datos.dart X
> widget > datos.dart > _DatosState > build
1  import 'package:flutter/material.dart';
2  import 'package:practicaextra/widget/lista.dart';
3
4  class Datos extends StatefulWidget {
5      const Datos({super.key});
6
7      @override
8      State< StatefulWidget > createState() => _DatosState();
9  }
10
11 class Item {
12     final String producto;
13     final String descripcion;
14     final String precio;
15     Item(this.producto, this.descripcion, this.precio);
16 }
17
18 class _DatosState extends State<Datos> {
19     TextEditingController pre = TextEditingController();
20     TextEditingController des = TextEditingController();
21     TextEditingController prec = TextEditingController();
22
23     List<Item> items = [];
24
25     void _agregar() {
26         setState(() {
27             String p = pre.text;
28             String d = des.text;
29             String pr = prec.text;
30             if (p.isNotEmpty || d.isNotEmpty || pr.isNotEmpty) {
31                 items.add(Item(p, d, pr));
32                 pre.clear();
33                 des.clear();
34
35             ScaffoldMessenger.of(
36                 context,
37             ).showSnackBar(SnackBar(content: Text("Datos agregados a la lista")));
38         } else {
39             ScaffoldMessenger.of(
40                 context,
41             ).showSnackBar(SnackBar(content: Text("Faltan datos")));
42         }
43     }
44
45     void _enviar() async {
46         Navigator.push(
47             context,
48             MaterialPageRoute(builder: (context) => Lista(items: items)),
49         );
50         setState(() {});
51     }
52
53     @override
54     Widget build(BuildContext context) {
55         return Scaffold(
56             appBar: AppBar(
57                 title: Text('Datos'),
58                 backgroundColor: const Color.fromARGB(255, 13, 248, 237),
59                 actions: [IconButton(onPressed: _enviar, icon: Icon(Icons.list))],
60             ), // AppBar
61             backgroundColor: const Color.fromARGB(255, 221, 223, 219),
62         );
63     }
64 }
```

```
main.dart      lista.dart      datos.dart X
b > widget > datos.dart > _DatosState > build
17 class _DatosState extends State<Datos> {
54     Widget build(BuildContext context) {
58         backgroundColor: const Color.fromRGBO(255, 13, 248, 23),
59         actions: [IconButton(onPressed: _enviar, icon: Icon(Icons.list))],
60     ), // AppBar
61     backgroundColor: const Color.fromRGBO(255, 221, 223, 219),
62     body: Center(
63         child: Padding(
64             padding: EdgeInsets.all(20),
65             child: Card(
66                 elevation: 8,
67                 shape: RoundedRectangleBorder(
68                     borderRadius: BorderRadius.circular(15),
69                 ), // RoundedRectangleBorder
70                 child: Padding(
71                     padding: const EdgeInsets.all(15.0),
72                     child: Column(
73                         mainAxisAlignment: MainAxisAlignment.max,
74                         children: [
75                 TextField(
76                     controller: pre,
77                     decoration: InputDecoration(
78                         labelText: 'Escribe el producto',
79                         border: OutlineInputBorder(),
80                     ), // InputDecoration
81                 ), // TextField
82                 TextField(
83                     controller: des,
84                     decoration: InputDecoration(
85                         labelText: 'Escribe la descripcion',
86                         border: OutlineInputBorder(),
87                     ), // InputDecoration
88                 ), // TextField
89                 SizedBox(height: 20),
90                 SizedBox(
91                     width: double.infinity,
92                     child: ElevatedButton.icon(
93                         onPressed: _agregar,
94                         label: Text('Añadir'),
95                     ), // ElevatedButton.icon
96                 ), // SizedBox
97             ],
98         ), // Column
99         ), // Padding
100     ), // Card
101     ), // Padding
102     ), // Center
103 ); // Scaffold
104 }
```

```
Widget build(BuildContext context) {
    decoration: InputDecoration(
        labelText: 'Escribe la descripcion',
        border: OutlineInputBorder(),
    ), // InputDecoration
    ), // TextField
    TextField(
        controller: prec,
        decoration: InputDecoration(
            labelText: 'Escribe el precio',
            border: OutlineInputBorder(),
        ), // InputDecoration
    ), // TextField
    SizedBox(height: 20),
    SizedBox(
        width: double.infinity,
        child: ElevatedButton.icon(
            onPressed: _agregar,
            label: Text('Añadir'),
        ), // ElevatedButton.icon
    ), // SizedBox
],
), // Column
), // Padding
), // Card
), // Padding
), // Center
); // Scaffold
}
```

Resultado



Programa 4

Lista.dart

```
main.dart    lista.dart  X  detalles.dart
o > widget > lista.dart > Clase > _Agregar
  1 import 'dart:math';
  2 import 'package:flutter/material.dart';
  3 import 'package:practica4u3/widget/detalles.dart';
  4
  5 class Lista extends StatefulWidget {
  6   const Lista({super.key});
  7   @override
  8   State<StatefulWidget> createState() {
  9     return Clase();
 10   }
 11 }
 12
 13 class item {
 14   final String clave;
 15   final String nombre;
 16   final String correo;
 17   item(this.clave, this.nombre, this.correo);
 18 }
 19
 20 class Clase extends State<Lista> {
 21   TextEditingController nombre = TextEditingController();
 22   TextEditingController correo = TextEditingController();
 23   List<item> items = [];
 24
 25   void _Agregar() {
 26     setState(() {
 27       final String n = nombre.text;
 28       final String c = correo.text;
 29       int numero = Random().nextInt(100);
 30       if (n.isNotEmpty && c.isNotEmpty) {
 31         final String clave =
 32           numero.toString() + n.substring(0, 2).toUpperCase();
 33         print(clave);
 34         items.add(item('clave:$clave', 'nombre:$n', 'correo:$c'));
 35         nombre.clear();
 36         correo.clear();
 37       } else {
 38         ScaffoldMessenger.of(
 39           context,
 40         ).showSnackBar(SnackBar(content: Text("Faltan datos")));
 41       }
 42     });
 43   }
 44
 45   @override
 46   Widget build(BuildContext context) {
 47     return Scaffold(
 48       appBar: AppBar(
 49         title: Text('Lista', style: TextStyle(color: Colors.black87)),
 50         backgroundColor: Colors.greenAccent,
 51       ), // AppBar
 52       body: Center(
 53         child: Padding(
 54           padding: EdgeInsets.all(15),
 55           child: Card(
 56             elevation: 10,
 57             shape: RoundedRectangleBorder(
 58               borderRadius: BorderRadius.circular(15),
 59             ),
 60             child: ListView.builder(
 61               itemCount: items.length,
 62               itemBuilder: (context, index) {
 63                 return ListTile(
 64                   title: Text(items[index].clave),
 65                   subtitle: Text('${items[index].nombre}'),
 66                   trailing: Text('${items[index].correo}');
 67                 );
 68               },
 69             ),
 70           ),
 71         ),
 72       ),
 73     );
 74   }
 75 }
```

```
main.dart      lista.dart X  detalles.dart
b > widget > lista.dart > Clase > _Agregar
20   class Clase extends StatelessWidget {
46     Widget build(BuildContext context) {
56       elevation: 10,
57       shape: RoundedRectangleBorder(
58         borderRadius: BorderRadius.circular(15),
59       ), // RoundedRectangleBorder
60       child: Padding(
61         padding: const EdgeInsets.all(15),
62         child: Column(
63           mainAxisAlignment: MainAxisAlignment.start,
64           crossAxisAlignment: CrossAxisAlignment.center,
65           children: [
66             TextField(
67               controller: nombre,
68               decoration: InputDecoration(
69                 labelText: "Nombre",
70                 border: OutlineInputBorder(),
71               ), // InputDecoration
72             ), // TextField
73             TextField(
74               controller: correo,
75               decoration: InputDecoration(
76                 labelText: "Correo",
77                 border: OutlineInputBorder(),
78               ), // InputDecoration
79             ), // TextField
80             ElevatedButton.icon(
81               onPressed: _Agregar,
82               label: Text("agregar"),
83             ), // ElevatedButton.icon
84           Expanded(
```

```
main.dart      lista.dart X  detalles.dart
ib > widget > lista.dart > Clase > _Agregar
20   class Clase extends StatelessWidget {
46     Widget build(BuildContext context) {
56       label: Text("agregar"),
57     ), // ElevatedButton.icon
58     Expanded(
59       child: ListView.builder(
60         itemCount: items.length,
61         itemBuilder: (context, index) => Card(
62           child: ListTile(
63             leading: Icon(
64               Icons.airline_seat_individual_suite_sharp,
65             ), // Icon
66             title: Text(items[index].clave),
67             subtitle: Column(
68               children: [
69                 Text(items[index].nombre),
70                 Text(items[index].correo),
71               ],
72             ), // Column
73             trailing: Icon(Icons.arrow_forward),
74             onTap: () {
75               print(
76                 items[index].clave +
77                   items[index].nombre +
78                   items[index].correo,
79               );
80               Navigator.push(
81                 context,
82                 MaterialPageRoute(
83                   builder: (context) => Detalles(
84                     clave: items[index].clave,
85                     nombre: items[index].nombre,
```

```
main.dart      lista.dart X  detalles.dart
ib > widget > lista.dart > Clase > Agregar
20   class Clase extends StatelessWidget {
46     Widget build(BuildContext context) {
106    Navigator.push(
107      context,
108      MaterialPageRoute(
109        builder: (context) => Detalles(
110          clave: items[index].clave,
111          nombre: items[index].nombre,
112          correo: items[index].correo,
113            ), // Detalles
114            ), // MaterialPageRoute
115          );
116        },
117        ), // ListTile
118        ), // Card
119        ), // ListView.builder
120        ), // Expanded
121        ],
122        ), // Column
123        ), // Padding
124        ), // Card
125        ), // Padding
126        ), // Center
127        ); // Scaffold
128      }
129    }
130 }
```

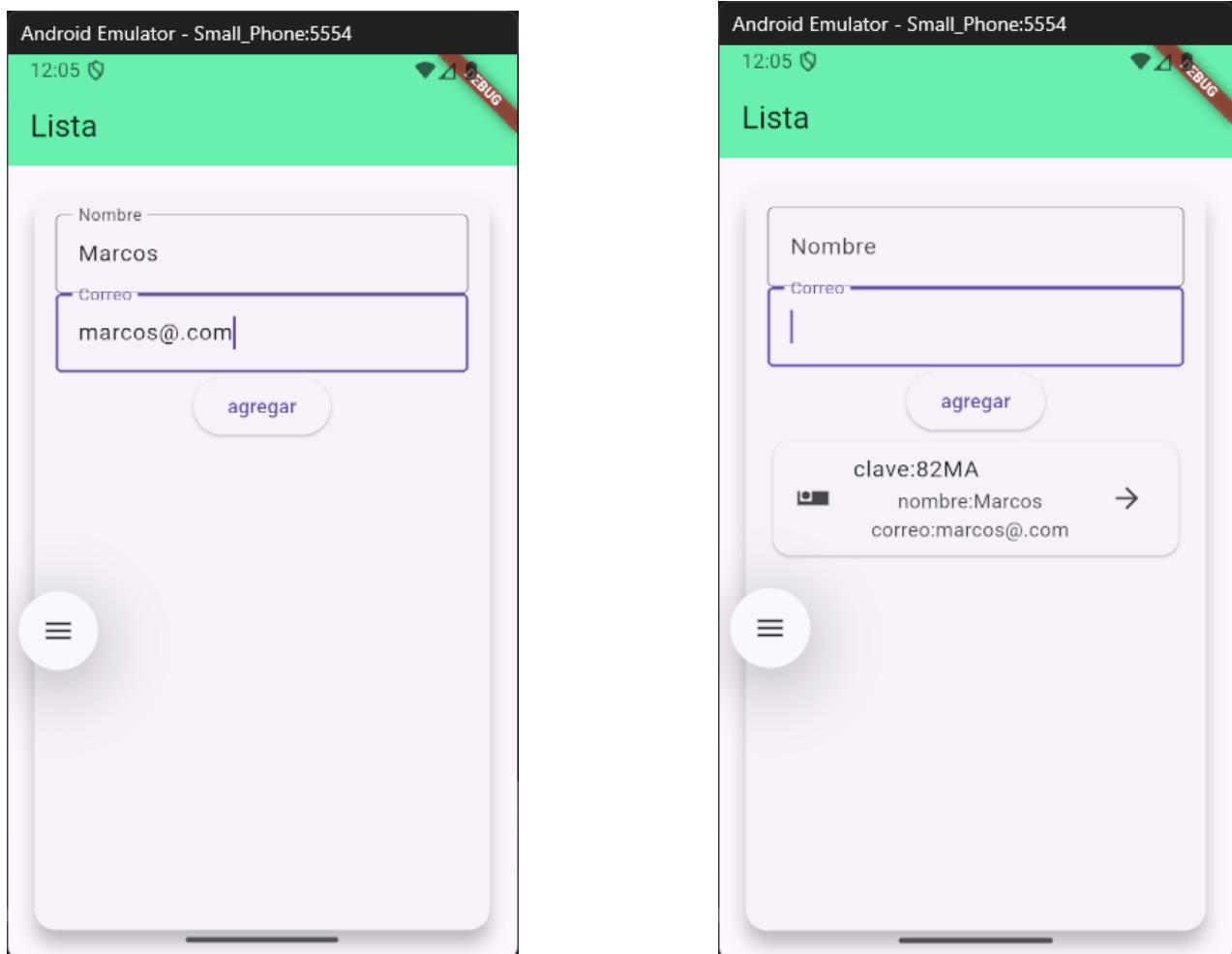
Detalles.dart

```
b > widget > Detalles.dart > Detalles > createState
1   import 'package:flutter/material.dart';
2   import 'package:flutter/widgets.dart';
3
4   class Detalles extends StatefulWidget {
5       final String clave;
6       final String nombre;
7       final String correo;
8       const Detalles({
9           super.key,
10          required this.clave,
11          required this.nombre,
12          required this.correo,
13      });
14      @override
15      State<StatefulWidget> createState() {
16          return Clase();
17      }
18  }
19
20  class Clase extends State<Detalles> {
21      @override
22      Widget build(BuildContext context) {
23          return Scaffold(
24              appBar: AppBar(
25                  title: Text("Detalles"),
26                  backgroundColor: Colors.greenAccent,
27              ), // AppBar
28              body: Center(
29                  child: Padding(
30                      padding: EdgeInsets.all(15),
31                      child: Column(
32                          children: [

```

```
main.dart      lista.dart      detalles.dart X
ib > widget > detalles.dart > Detalles > createState
20   class Clase extends State<Detalles> {
21     Widget build(BuildContext context) {
22       return Padding(
23         padding: EdgeInsets.all(15),
24         child: Column(
25           children: [
26             Text("${widget.clave}", style: TextStyle(fontSize: 15)),
27             Text("${widget.nombre}", style: TextStyle(fontSize: 15)),
28             Text("${widget.correo}", style: TextStyle(fontSize: 15)),
29           ],
30         ), // Column
31       ), // Padding
32     ), // Center
33   ); // Scaffold
34 }
35 }
```

Resultado





Programa 5

Pagina1.dart

```
main.dart    ● pagina1.dart X  ● pagina2.dart
b > widget > ● pagina1.dart > Clase > build
1   import 'package:flutter/material.dart';
2   import 'package:practica5_u3/widget/pagina2.dart';
3
4   class Pagina1 extends StatefulWidget {
5       const Pagina1({super.key});
6
7       @override
8       State<StatefulWidget> createState() {
9           return Clase();
10      }
11  }
12
13 class Clase extends State<Pagina1> {
14     TextEditingController nombre = TextEditingController();
15
16     void _enviar() {
17         final String n = nombre.text;
18         setState(() {
19             if (n.isNotEmpty) {
20                 Navigator.push(
21                     context,
22                     MaterialPageRoute(builder: (context) => Pagina2(nombre: n)),
23                 );
24             } else {
25                 print('Error');
26             }
27         });
28     }
29
30     @override
31     Widget build(BuildContext context) {
```

```
@override
Widget build(BuildContext context) {
    return Scaffold(
        appBar: AppBar(
            title: const Text('Pagina 1'),
            backgroundColor: Colors.cyan,
        ), // AppBar
        body: Center(
            child: Padding(
                padding: EdgeInsets.all(20),
                child: Column(
                    mainAxisAlignment: MainAxisAlignment.center,
                    children: [
                        TextField(
                            controller: nombre,
                            decoration: InputDecoration(labelText: "Escribe un nombre"),
                        ), // TextField
                        SizedBox(
                            width: double.infinity,
                            child: ElevatedButton(
                                onPressed: _enviar,
                                child: Text("Enviar"),
                            ), // ElevatedButton
                        ), // SizedBox
                    ],
                ), // Column
                padding: EdgeInsets.all(20),
            ), // Center
        ); // Scaffold
    }
}
```

Pagina2.dart

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

class Pagina2 extends StatefulWidget {
    final String nombre;
    const Pagina2({super.key, required this.nombre})

    @override
    State<StatefulWidget> createState() {
        return Clase();
    }
}

class Clase extends State<Pagina2> {
    late String dato;
    @override
    void initState() {
        super.initState();
        dato = "El nombre es ${widget.nombre}";
    }

    Widget build(BuildContext context) {
        return Scaffold(
            appBar: AppBar(
                title: Text('Pagina 2'),
                backgroundColor: Colors.greenAccent,
            ), // AppBar
            body: Center(child: Text('${dato}')),
        ); // Scaffold
    }
}
```

Resultado

