

TECNOLOGICO JOSE MARIO MOLINA
PASQUEL Y ENRRIQUEZ UNIDAD
ACADEMICA ZAPOTLANEJO

MANUAL DE PROGRAMADOR
ADMINISTRACION Y ORGANIZCION DE
DATOS

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Programa 1

Pag1.dart

```
pag1.dart X pag2.dart 3 main.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';
    }
  }
}

```

pag1.dart X pag2.dart 3 main.dart

```

lib > widget > pag1.dart > ...
12 class Datos extends State<Pag1> {
33   String? _vNom(String? value) {
42     if (!nom.hasMatch(value)) {
43       return 'El campo solo puede contener letras';
44     }
45   }
46 }
47 return null;
48 }
49
50 String? _vApell(String? value) {
51   if (value == null || value.isEmpty) {
52     return 'El campo no puede estar vacío';
53   } else {
54     final nom = RegExp(r'^[a-z]+$');
55     if (!nom.hasMatch(value)) {
56       return 'El campo solo puede contener letras';
57     }
58   }
59   return null;
60 }
61
62 @override
63 Widget build(BuildContext context) {
64   return Scaffold(
65     appBar: AppBar(title: const Text("Pag1")),
66     body: Form(
67       key: _key,
68       child: Column(
69         children: [
70           Expanded(
71             flex: 1,

```

```

pag1.dart X pag2.dart 3 main.dart
lib > widget > pag1.dart > ...
12 class Datos extends State<Pag1> {
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: () {

```

```

               child: ElevatedButton(
                 onPressed: () {
                   validar();
                 },
                 child: const Text('click'),
               ), // ElevatedButton
             ), // SizedBox
           ), // Padding
         ), // Expanded
       ],
     ), // Column
   ), // Form
 ); // Scaffold
}
}

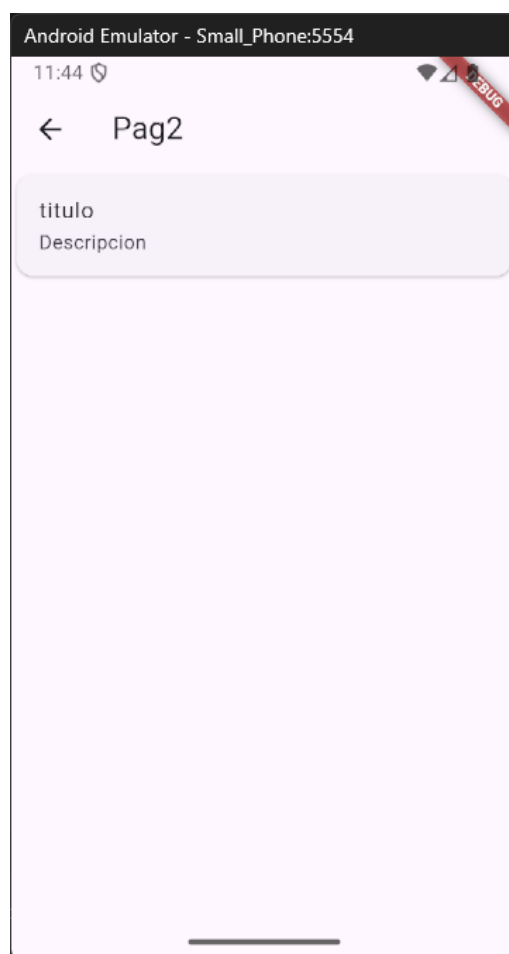
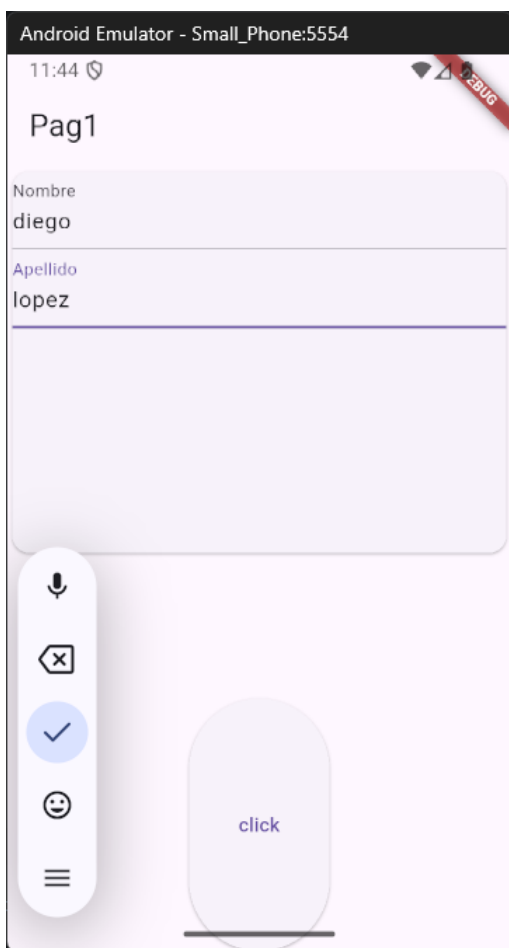
```

Pag2.dart

```
pag1.dart  pag2.dart 3 X  main.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 State<Pag2> {
24    Widget build(BuildContext context) {
32      child: ListTile(
33        title: Text(item[index].titulo),
34        subtitle: Text(item[index].descripcion),
35      ), // ListTile
36    ), // Card
37  ), // ListView.builder
38  ); // Scaffold
39  }
40  }
41
42  class Item {
43    final String titulo;
44    final String descripcion;
45    Item(this.titulo, this.descripcion);
46  }
47  |
```

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: cadena)),
27         );
28       } else {
29         ScaffoldMessenger.of(
30           context,
31         ).showSnackBar(SnackBar(content: Text('Error')));
32       }
33     }
34   }
```

```

main.dart  pagina1.dart X  pagina2.dart
lib > widget > pagina1.dart > Datos
13 class Datos extends State<Pagina1> {
18   void validar() {
29     _snackBarMessenger.or(
30       context,
31     ).showSnackBar(SnackBar(content: Text('Error')));
32   }
33 }
34
35 String? _nombre(String? value) {
36   if (value == null || value.isEmpty) {
37     return "Escribe el nombre";
38   }
39
40   String letra = value[0];
41   String resto = value.substring(1);
42
43   if (letra != letra.toUpperCase()) {
44     return 'La primer letra debe ser mayúscula';
45   }
46
47   final minusculas = RegExp(r'^[a-z]+$');
48   if (!minusculas.hasMatch(resto)) {
49     return "El resto deben ser solo minúsculas";
50   }
51
52   return null;
53 }
54
55 String? vApellidos(String? value) {
56   if (value == null || value.isEmpty) {
57     return 'Escribe el nombre';

```

```

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
  ), // Expanded
), // Column
); // Scaffold
}
}

```

```

Widget build(BuildContext context) {
  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("${a}", style: TextStyle(color: Colors.white)),
          Text("${p1}", style: TextStyle(color: Colors.white)),
        ],
      ), // Column
      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
}

```

```

        subtitle: Text(items[index].descripcion),
      ), // ListTile
    ), // Card
  ), // ListView.builder
  floatingActionButton: FloatingActionButton(
    onPressed: agregar,
    child: Icon(Icons.add),
  ), // FloatingActionButton
); // Scaffold
}
}

```

Main.dart

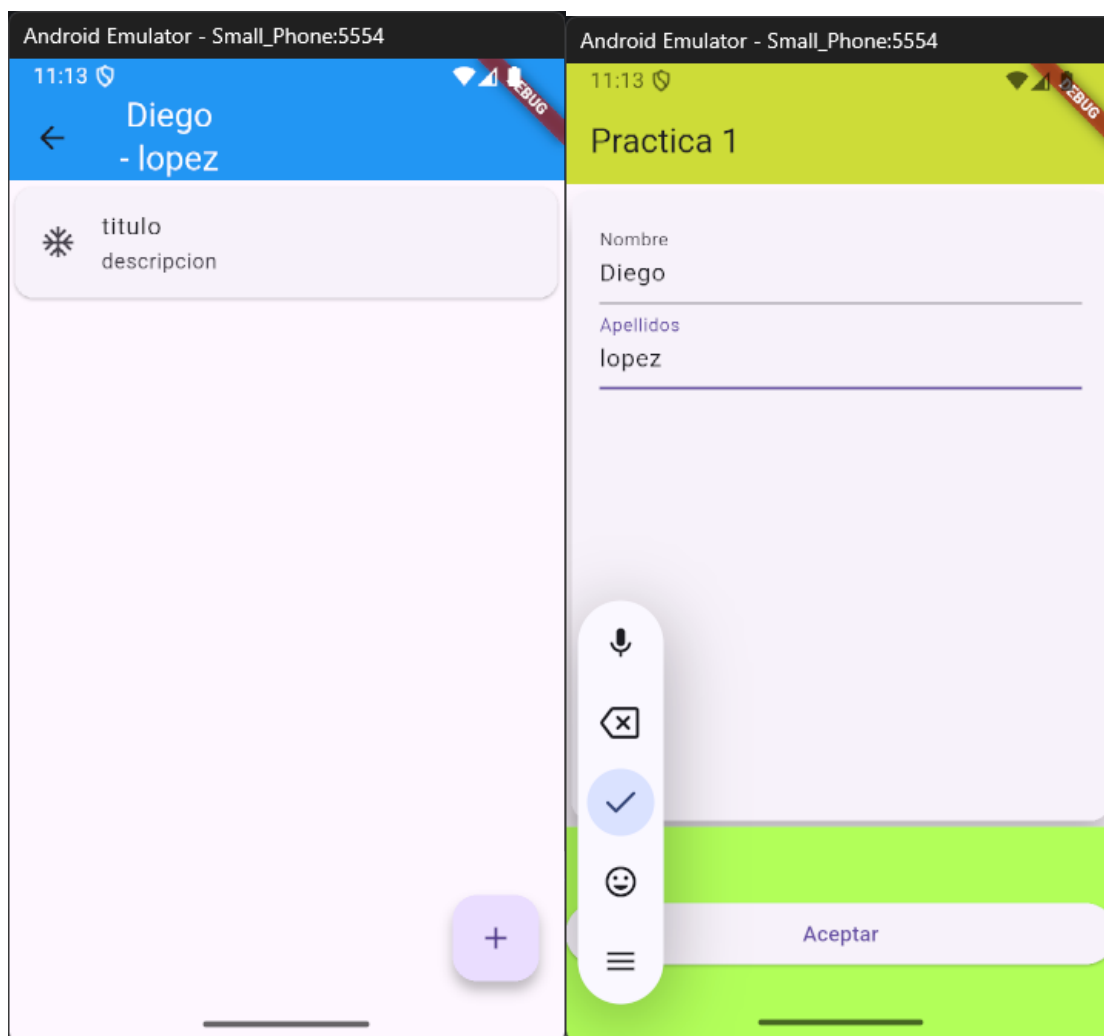
```
import 'package:flutter/material.dart';
import 'package:practicalu3/widget/pagina1.dart';

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 Vacía',
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
lib > widget > lista.dart > _ListaState > build
12 class _ListaState extends State<Lista> {
14   Widget build(BuildContext context) {
32     child: ListView.builder(
33       itemCount: items.length,
34       itemBuilder: (context, index) {
35         final item = items[index];
36         return Card(
37           margin: EdgeInsets.all(10),
38           child: ListTile(
39             leading: Icon(Icons.production_quantity_limits),
40             title: Text(
41               item.producto,
42               style: TextStyle(
43                 color: Colors.black,
44                 fontWeight: FontWeight.bold,
45               ), // TextStyle
46             overflow: TextOverflow.ellipsis,
47           ), // Text
48           subtitle: Column(
49             crossAxisAlignment: CrossAxisAlignment.start,
50             children: [
51               Text(
52                 item.descripcion,
53                 style: TextStyle(
54                   color: const Color.fromARGB(207, 28, 27, 27),
55                   fontWeight: FontWeight.bold,
56                 ), // TextStyle
57             ), // Text
58               Text(
59                 'Precio: ${item.precio}',
60                 style: TextStyle(
61                   color: const Color.fromARGB(207, 28, 27, 27),
```

```

main.dart  lista.dart  x  datos.dart
> widget > lista.dart > _ListaState > build
2  class _ListaState extends State<Lista> {
3
4      Widget build(BuildContext context) {
5
6          text(
7              'Precio: ${item.precio}',
8              style: TextStyle(
9                  color: const Color.fromARGB(207, 28, 27, 27),
10                 fontWeight: FontWeight.bold,
11             ), // TextStyle
12         ), // Text
13     ],
14 ), // Column
15 trailing: IconButton(
16     color: const Color.fromARGB(255, 255, 34, 34),
17     onPressed: () {
18         setState(() {
19             //print('Eliminar $index');
20             items.removeAt(index);
21         });
22     },
23     icon: Icon(Icons.delete),
24 ), // IconButton
25 ), // ListTile
26 ); // Card
27 },
28 ), // ListView.builder
29 ), // Padding
30 ), // Center
31 ); // Scaffold
32 }
33 }

```

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    @override
7    State<StatefulWidget> createState() => _DatosState();
8  }
9
10 class Item {
11   final String producto;
12   final String descripcion;
13   final String precio;
14   Item(this.producto, this.descripcion, this.precio);
15 }
16
17 class _DatosState extends State<Datos> {
18   TextEditingController pre = TextEditingController();
19   TextEditingController des = TextEditingController();
20   TextEditingController prec = TextEditingController();
21
22   List<Item> items = [];
23
24   void _agregar() {
25     setState(() {
26       String p = pre.text;
27       String d = des.text;
28       String pr = prec.text;
29       if (p.isNotEmpty || d.isNotEmpty || pr.isNotEmpty) {
30         items.add(Item(p, d, pr));
31         pre.clear();
32         des.clear();
33       }
34     });
35   }
36
37   void _enviar() async {
38     Navigator.push(
39       context,
40       MaterialPageRoute(builder: (context) => Lista(items: items)),
41     );
42     setState(() {});
43   }
44
45   @override
46   Widget build(BuildContext context) {
47     return Scaffold(
48       appBar: AppBar(
49         title: Text('Datos'),
50         backgroundColor: const Color.fromARGB(255, 13, 248, 237),
51         actions: [IconButton(onPressed: _enviar, icon: Icon(Icons.list))],
52       ), // AppBar
53       backgroundColor: const Color.fromARGB(255, 221, 223, 219),
54     );
55   }
56 }
```

```

main.dart  lista.dart  datos.dart X
> widget > datos.dart > _DatosState > build
17 class _DatosState extends State<Datos> {
54   Widget build(BuildContext context) {
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   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(),

```

```

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('Agregar'),
    ), // ElevatedButton.icon
  ), // SizedBox
],
), // Column
), // Padding
), // Card
), // Padding
), // Center
); // Scaffold
}
}

```

Resultado

Android Emulator - Small_Phone:5554

11:55

Datos

Escribe el producto

Jabon

Escribe la descripcion

Liquido

Escribe el precio

50



Agregar

☰

Android Emulator - Small_Phone:5554

11:55

← Lista de productos

 **Jabon** 

Liquido

Precio: 50

Programa 4

Lista.dart

```
main.dart  lista.dart X detalles.dart
b > widget > lista.dart > Clase > _Agrega
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       }
34     });
35   }
36 }
37
```

```
main.dart  lista.dart X detalles.dart
b > widget > lista.dart > Clase > _Agrega
20  class Clase extends State<Lista> {
25    void _Agregar() {
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          ),
61      ),
62    );
63  }
64 }
65
```



```
main.dart  lista.dart  X  detalles.dart
ib > widget > lista.dart > Clase > _Agregar
20  class Clase extends State<Lista> {
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

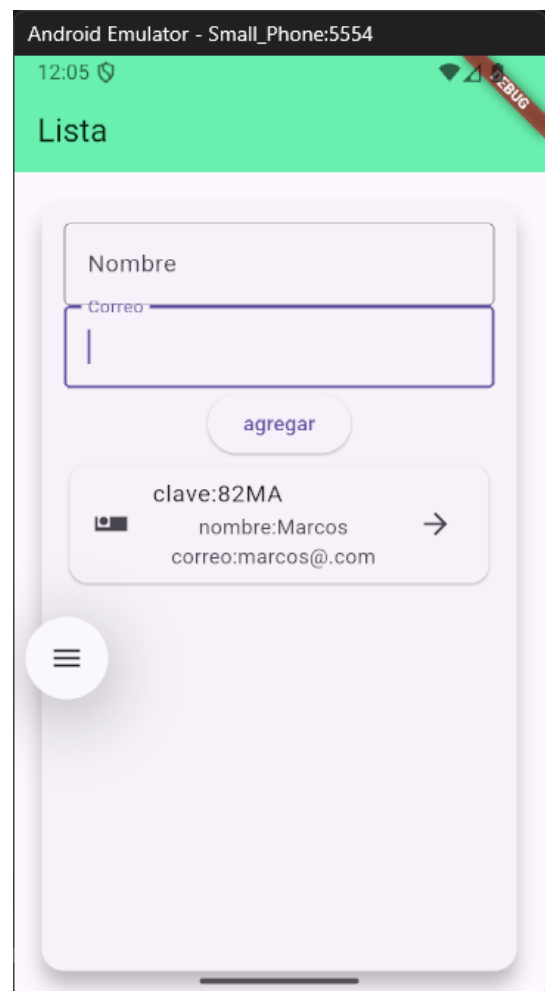
```
main.dart  lista.dart  detalles.dart X
b > widget > detalles.dart > Detalles > createState
1  import 'package:flutter/material.dart';
2  import 'package:flutter/widgets.dart';
3
4  class Detalles extends StatefulWidget {
5    final String clave;
6    final String nombre;
7    final String correo;
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: [
```

```

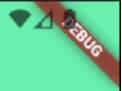
main.dart  lista.dart  detalles.dart X
b > widget > detalles.dart > Detalles > createState
20 class Clase extends State<Detalles> {
22   Widget build(BuildContext context) {
29     cnlid: Padding(
30       padding: EdgeInsets.all(15),
31       child: Column(
32         children: [
33           Text("${widget.clave}", style: TextStyle(fontSize: 15)),
34           Text("${widget.nombre}", style: TextStyle(fontSize: 15)),
35           Text("${widget.correo}", style: TextStyle(fontSize: 15)),
36         ],
37       ), // Column
38     ), // Padding
39   ), // Center
40 ); // Scaffold
41 }
42 }
43

```

Resultado



12:05



← Detalles

clave:82MA
nombre:Marcos
correo:marcos@.com

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) {
32     return Scaffold(
33       appBar: AppBar(
34         title: Text('Pagina 1'),
35       ),
36       body: Center(
37         child: Text('Pagina 1'),
38       ),
39     );
40   }
41 }
```

```

@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

```

```

            ), // ElevatedButton
          ],
        ), // Column
      ), // Padding
    ), // 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

