



Relatório

UNIVERSADE ESTÁCIO DE SÁ POLO Paraíba
CURSO: DESENVOLVIMENTO FULL STACK
DISCIPLINA: Posso criar um App de outra forma
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TURMA:2024.1

Objetivos da prática

- Instalar e configurar o Flutter SDK e o ambiente de desenvolvimento integrado (IDE)
- de acordo com as melhores práticas;
- Empregar Widgets fundamentais, como MaterialApp, Scaffold, AppBar, Text e RaisedButton;
- Aplicar diferentes Widgets para criar uma interface visual atraente e funcional;
- Aplicar o widget ListView para exibir e gerenciar listas de dados;
- Criar e implementar funcionalidades personalizadas para um Widget específico.

Todos os códigos

hotel_model.dart 4 x

flutter_travel_ui-master > lib > models > hotel_model.dart > Hotel

```
1 class Hotel {
2   String imageUrl;
3   String name;
4   String address;
5   int price;
6
7   Hotel({
8     this.imageUrl,
9     this.name,
10    this.address,
11    this.price,
12  });
13 }
14
15 final List<Hotel> hotels = [
16   Hotel(
17     imageUrl: 'assets/images/hotel0.jpg',
18     name: 'Hotel 0',
19     address: '404 Great St',
20     price: 175,
21   ),
22   Hotel(
23     imageUrl: 'assets/images/hotel1.jpg',
24     name: 'Hotel 1',
25     address: '404 Great St',
26     price: 300,
27   ),
28   Hotel(
29     imageUrl: 'assets/images/hotel2.jpg',
30     name: 'Hotel 2',
31     address: '404 Great St',
32     price: 240,
33   ),
34 ];
35
```

destination_model.dart 9+ X

flutter_travel_ui-master > lib > models > destination_model.dart > ...

```
19 List<Activity> activities = [
44 ];
45
46 List<Destination> destinations = [
47   Destination(
48     imageUrl: 'assets/images/venice.jpg',
49     city: 'Venice',
50     country: 'Italy',
51     description: 'Visit Venice for an amazing and unforgettable adventure.',
52     activities: activities,
53   ),
54   Destination(
55     imageUrl: 'assets/images/paris.jpg',
56     city: 'Paris',
57     country: 'France',
58     description: 'Visit Paris for an amazing and unforgettable adventure.',
59     activities: activities,
60   ),
61   Destination(
62     imageUrl: 'assets/images/newdelhi.jpg',
63     city: 'New Delhi',
64     country: 'India',
65     description: 'Visit New Delhi for an amazing and unforgettable adventure.',
66     activities: activities,
67   ),
68   Destination(
69     imageUrl: 'assets/images/saopaulo.jpg',
70     city: 'Sao Paulo',
71     country: 'Brazil',
72     description: 'Visit Sao Paulo for an amazing and unforgettable adventure.',
73     activities: activities,
74   ),
75   Destination(
76     imageUrl: 'assets/images/newyork.jpg',
77     city: 'New York City',
78     country: 'United States',
79     description: 'Visit New York for an amazing and unforgettable adventure.',
80     activities: activities,
81   ),
82 ];
83
```

```

destination_carousel.dart 9+ X
flutter_travel_ui-master > lib > widgets > destination_carousel.dart > ...

1  import 'package:flutter/material.dart';
2  import 'package:flutter_travel_ui/models/destination_model.dart';
3  import 'package:flutter_travel_ui/screens/destination_screen.dart';
4  import 'package:font_awesome_flutter/font_awesome_flutter.dart';
5
6  class DestinationCarousel extends StatelessWidget {
7    @override
8    Widget build(BuildContext context) {
9      return Column(
10        children: <Widget>[
11          Padding(
12            padding: EdgeInsets.symmetric(horizontal: 20.0),
13            child: Row(
14              mainAxisAlignment: MainAxisAlignment.spaceBetween,
15              children: <Widget>[
16                Text(
17                  'Top Destinations',
18                  style: TextStyle(
19                    fontSize: 22.0,
20                    fontWeight: FontWeight.bold,
21                    letterSpacing: 1.5,
22                  ),
23                ),
24                GestureDetector(
25                  onTap: () => print('See All'),
26                  child: Text(
27                    'See All',
28                    style: TextStyle(
29                      color: Theme.of(context).primaryColor,
30                      fontSize: 16.0,
31                      fontWeight: FontWeight.w600,
32                      letterSpacing: 1.0,
33                    ),
34                  ),
35                ),
36              ], // <Widget>[]
37            ),
38          ),
39          Container(
40            height: 300.0,
41            child: ListView.builder(
42              scrollDirection: Axis.horizontal,
43              itemCount: destinations.length,
44              itemBuilder: (BuildContext context, int index) {
45                Destination destination = destinations[index];
46                return GestureDetector(
47                  onTap: () => Navigator.push(
48                    context,

```

```

hotel_carousel.dart 9+ x
flutter_travel_ui-master > lib > widgets > hotel_carousel.dart > ...

1  import 'package:flutter/material.dart';
2  import 'package:flutter_travel_ui/models/hotel_model.dart';
3
4  class HotelCarousel extends StatelessWidget {
5    @override
6    Widget build(BuildContext context) {
7      return Column(
8        children: <Widget>[
9          Padding(
10             padding: EdgeInsets.symmetric(horizontal: 20.0),
11             child: Row(
12               mainAxisAlignment: MainAxisAlignment.spaceBetween,
13               children: <Widget>[
14                 Text(
15                   'Exclusive Hotels',
16                   style: TextStyle(
17                     fontSize: 22.0,
18                     fontWeight: FontWeight.bold,
19                     letterSpacing: 1.5,
20                   ),
21                 ),
22                 GestureDetector(
23                   onTap: () => print('See All'),
24                   child: Text(
25                     'See All',
26                     style: TextStyle(
27                       color: Theme.of(context).primaryColor,
28                       fontSize: 16.0,
29                       fontWeight: FontWeight.w600,
30                       letterSpacing: 1.0,
31                     ),
32                   ),
33                 ],
34               ], // <Widget>[]
35             ),
36           ),
37           Container(
38             height: 300.0,
39             child: ListView.builder(
40               scrollDirection: Axis.horizontal,
41               itemCount: hotels.length,
42               itemBuilder: (BuildContext context, int index) {
43                 Hotel hotel = hotels[index];
44                 return Container(
45                   margin: EdgeInsets.all(10.0),
46                   width: 240.0,
47                   child: Stack(
48                     alignment: Alignment.topCenter,
49                     children: [
50                       // Image(hotel.imageUrl),
51                       // Text(hotel.name),
52                       // Text(hotel.description),
53                       // Text(hotel.price),
54                       // Text(hotel.rating),
55                     ],
56                   ),
57                 ),
58               ),
59             ),
60           ],
61         ),
62       );
63     }
64   }
65 }

```

main.dart 9+ X

flutter_travel_ui-master > lib > main.dart > ...

```
1 import 'package:flutter/material.dart';
2 import 'package:flutter_travel_ui/screens/home_screen.dart';
3
4 Run | Debug | Profile
5 void main() => runApp(MyApp());
6
7 class MyApp extends StatelessWidget {
8   // This widget is the root of your application.
9   @override
10  Widget build(BuildContext context) {
11    return MaterialApp(
12      title: 'Flutter Travel UI',
13      debugShowCheckedModeBanner: false,
14      theme: ThemeData(
15        primaryColor: Color(0xFF3EBACE),
16        accentColor: Color(0xFFD8ECF1),
17        scaffoldBackgroundColor: Color(0xFFF3F5F7),
18      ),
19      home: HomeScreen(),
20    );
21  }
22 }
```

widget_test.dart 9+ •

test > widget_test.dart > ...

```
1
2
3 import 'package:flutter/material.dart';
4 import 'package:flutter_test/flutter_test.dart';
5
6 import 'package:flutter_travel ui/main.dart';
7
8 Run | Debug
9 void main() {
10   testWidgets('Counter increments smoke test', (WidgetTester tester) async {
11     // Build our app and trigger a frame.
12     await tester.pumpWidget(MyApp());
13
14     // Verify that our counter starts at 0.
15     expect(find.text('0'), findsOneWidget);
16     expect(find.text('1'), findsNothing);
17
18     // Tap the '+' icon and trigger a frame.
19     await tester.tap(find.byIcon(Icons.add));
20     await tester.pump();
21
22     // Verify that our counter has incremented.
23     expect(find.text('0'), findsNothing);
24     expect(find.text('1'), findsOneWidget);
25   });
26 }
```

Resultado Final

