Latihan-17-State Management

Pada Latihan Kali iini kita akan mengimplementasikan logika dari getX state management dengan menggunakan rest api

fokus pada project ini adalah menampilkan data dan post dari api news kemarin ke halaman flutter kita

```yaml
pubspec.yaml ×

getxpost > ᴮ pubspec.yaml > ᴬᴮ name
14    # Read more about Android versioning at https://
15    # In iOS, build-name is used as CFBundleShortVer
16    # Read more about iOS versioning at
17    # https://developer.apple.com/library/archive/do
18    version: 1.0.0+1
19
20    environment:
21      sdk: ">=2.12.0 <3.0.0"
22
23    dependencies:
24      cupertino_icons: ^1.0.2
25      flutter:
26        sdk: flutter
27      get: ^4.3.8
28      http: ^0.13.3
29
30    dev_dependencies:
31      flutter_test:
32        sdk: flutter
33
```

main.dart

```dart
main.dart ×

getxpost > lib > main.dart > ...
1    import 'dart:convert';
2    import 'dart:developer';
3
4    import 'package:flutter/material.dart';
5    import 'package:get/get.dart';
6    import 'package:getxpost/add-news.dart';
7    import 'package:http/http.dart' as http;
8
     Run | Debug | Profile
9    void main() {
10     runApp(MyApp());
11   }
12
13   class MyApp extends StatelessWidget {
14     @override
15     Widget build(BuildContext context) {
16       return GetMaterialApp(
17         title: 'GetX Http Post',
18         theme: ThemeData(
19           primarySwatch: Colors.blue,
20         ), // ThemeData
21         home: MyHomePage(title: 'GetX Http Post'),
22       ); // GetMaterialApp
23     }
24   }
25
26   class MyHomePage extends StatefulWidget {
27     MyHomePage({Key? key, required this.title}) : super(key: key);
28
29     final String title;
30
```

```dart
34
35   class _MyHomePageState extends State<MyHomePage> {
36     final controller = Get.put(Controller());
37
38     Future<void> getNews() async {
39       var url = Uri.parse('https://achmadhilmy-sanbercode.my.id/api/v1/news');
40       var response = await http.get(url);
41       var news = jsonDecode(response.body);
42       controller.setNews(news["data"]);
43     }
44
45     Future<void> addNews(String title, String value) async {
46       var url = Uri.parse('https://achmadhilmy-sanbercode.my.id/api/v1/news');
47       await http.post(url, body: {'title': title, 'value': value});
48       getNews();
49     }
50
51     @override
52     void initState() {
53       // TODO: implement initState
54       getNews();
55       super.initState();
56     }
57
```

```dart
58     @override
59     Widget build(BuildContext context) {
60       return Scaffold(
61         appBar: AppBar(
62           title: Text(widget.title),
63         ), // AppBar
64         body: Obx(
65           () => controller.news.length > 0
66               ? ListView.builder(
67                   itemCount: controller.news.length,
68                   itemBuilder: (BuildContext context, int index) {
69                     return ListTile(
70                       title: Text(controller.news[index]["title"]),
71                       subtitle: Text(controller.news[index]["value"]),
72                     ); // ListTile
73                   },
74                 ) // ListView.builder
75               : const Center(child: Text('Berita Tidak Ada')),
76         ), // Obx
77         floatingActionButton: FloatingActionButton(
78           onPressed: () async {
79             var berita = await Navigator.push(
80                 context, MaterialPageRoute(builder: (context) => AddNews()));
81             addNews(berita["title"], berita["value"]);
82           },
83           tooltip: 'getNews',
84           child: Icon(Icons.plus_one_rounded),
85         ), // FloatingActionButton
86       ); // Scaffold
87     }
88   }
89
```

```dart
89
90   class Controller extends GetxController {
91     RxList news = [].obs;
92     void setNews(List _val) {
93       news.value = _val;
94     }
95   }
96
```

add-news.dart

```dart
1   import 'package:flutter/material.dart';
2
3   class AddNews extends StatefulWidget {
4     AddNews({Key? key}) : super(key: key);
5
6     @override
7     _AddNewsState createState() => _AddNewsState();
8   }
9
10  class _AddNewsState extends State<AddNews> {
11    TextEditingController titleController = TextEditingController();
12    TextEditingController valueController = TextEditingController();
13
14    @override
15    Widget build(BuildContext context) {
16      return MaterialApp(
17        title: 'GetX Http Post',
18        theme: ThemeData(
19          primarySwatch: Colors.blue,
20        ), // ThemeData
21        home: Scaffold(
22          appBar: AppBar(
23            title: Text("Tambah Berita"),
24          ), // AppBar
25          body: SingleChildScrollView(
26            child: Container(
27              child: Padding(
28                padding: const EdgeInsets.all(8.0),
29                child: Column(
30                  children: [
31                    TextFormField(
32                      controller: titleController,
33                      decoration: const InputDecoration(
34                          border: UnderlineInputBorder(), labelText: 'Title'), // InputDecoration
35                    ), // TextFormField
36                    TextFormField(
37                      controller: valueController,
38                      decoration: const InputDecoration(
39                          border: UnderlineInputBorder(), labelText: 'Value'), // InputDecoration
40                    ), // TextFormField
41                    ElevatedButton(
42                      child: Text('Publis Berita'),
43                      onPressed: () {
44                        Navigator.pop(context, {"title": titleController.text, "value": valueController.text});
45                      },
46                    ) // ElevatedButton
47                  ],
48                ), // Column
49              ), // Padding
50            ), // Container
51          ), // SingleChildScrollView
52        ), // Scaffold
53      ); // MaterialApp
54    }
55  }
56
```

Rating - Feedback

Berikan Rating pada posting ini:

★★★★★ 0

Berikan kritik dan saran..