

Tugas

1. Bukalah tugas kalian ([12. Soal Assets, Dialog Bottomsheet, Navigation](#))
2. Tambahkan & Implementasikan penggunaan provider pada aplikasi tersebut
3. Tambahkan animasi sederhana pada salah satu fitur yang dibuat. (contoh: ketika pindah ke halaman tambah data kontak atau pada halaman galeri setiap gambar di tekan).

Code main.dart

```
1 import 'package:bottomsheet_provider/image_gallery.dart';
2 import 'package:flutter/material.dart';
3 import 'package:provider/provider.dart';
4 import 'image_fullscreen.dart';
5 import 'package:bottomsheet_provider/stores/images.dart' as image_store;
6
7 void main() {
8   runApp(
9     MultiProvider(
10      providers: [
11        ChangeNotifierProvider(
12          create: (_) => image_store.ImageProvider(),
13        )
14      ],
15      child: const MyApp(),
16    ),
17  );
18 }
19
20 class MyApp extends StatelessWidget {
21   const MyApp({super.key});
22
23   @override
24   Widget build(BuildContext context) {
25     return MaterialApp(
26       //home: ImageGallery(),
27       initialRoute: '/',
28       routes: {
29         '/': (_) => const ImageGallery(),
30         '/fullscreen': (_) => const FullImage(
31           image: '',
32         ),
33       },
34     );
35   }
36 }
37
```

Code model.dart

```
1 class ImageModel {
2   final String url;
3
4   ImageModel({required this.url});
5 }
6
```

Code untuk menampung url image assets

```
1 import 'package:flutter/material.dart';
2 import 'package:bottomsheet_provider/model.dart';
3
4 class ImageProvider with ChangeNotifier {
5   List<ImageModel> listImages = [
6     ImageModel(url: 'assets/image1.jpg'),
7     ImageModel(url: 'assets/image2.jpg'),
8     ImageModel(url: 'assets/image3.jpg'),
9     ImageModel(url: 'assets/image4.jpg'),
10    ImageModel(url: 'assets/image5.jpg'),
11    ImageModel(url: 'assets/image6.jpg'),
12    ImageModel(url: 'assets/image7.jpg'),
13    ImageModel(url: 'assets/image8.jpg'),
14    ImageModel(url: 'assets/image9.jpg'),
15    ImageModel(url: 'assets/image10.jpg'),
16    ImageModel(url: 'assets/image11.jpg'),
17    ImageModel(url: 'assets/image12.jpg'),
18  ];
19
20   List<ImageModel> get images => listImages;
21
22   void removeImage(int index) {
23     listImages.removeAt(index);
24     notifyListeners();
25   }
26 }
27
```

Code halaman utama untuk menampilkan gambar menggunakan Provider

```
1 import 'package:flutter/material.dart';
2 import 'image_show.dart';
3 import 'package:provider/provider.dart';
4 import 'package:bottomsheet_provider/stores/images.dart' as image_store;
5 import 'package:shared_preferences/shared_preferences.dart';
6
7 class ImageGallery extends StatefulWidget {
8   const ImageGallery({super.key});
9
10  @override
11  State<ImageGallery> createState() => _ImageGalleryState();
12 }
13
14 class _ImageGalleryState extends State<ImageGallery> {
15   late SharedPreferences loginData;
16
17   @override
18   void initState() {
19     super.initState();
20     initial();
21   }
22
23   void initial() async {
24     loginData = await SharedPreferences.getInstance();
25   }
26
27   @override
28   Widget build(BuildContext context) {
29     final imageProvider = Provider.of<image_store.ImageProvider>(context);
30     return Scaffold(
31       appBar: AppBar(
32         centerTitle: true,
33         title: const Text(
34           'Image Gallery',
35         ),
36       ),
37       /* Leading: Row(
38         children: [
39           IconButton(
40             onPressed: () {
41               LoginData.setBool('Login', true);
42               Navigator.pushReplacement(
43                 context,
44                 MaterialPageRoute(
45                   builder: (context) => const LoginPage(),
46                 ),
47             ),
48           ),
49         ],
50       ), */
51     ),
52     body: GridView.builder(
53       gridDelegate: const SliverGridDelegateWithFixedCrossAxisCount(
54         crossAxisCount: 2,
55       ),
56       itemCount: imageProvider.images.length,
57       itemBuilder: (BuildContext context, index) {
58         return GestureDetector(
59           onTap: () {
60             showImage(context, imageProvider.images[index].url);
61             /* Navigator.of(context).pushNamed('/fullscreen',
62               arguments: imageProvider.images[index].url); */
63           },
64           child: Image.asset(
65             imageProvider.images[index].url,
66             fit: BoxFit.cover,
67           ),
68         );
69       },
70     ),
71   );
72 }
73
74
```