

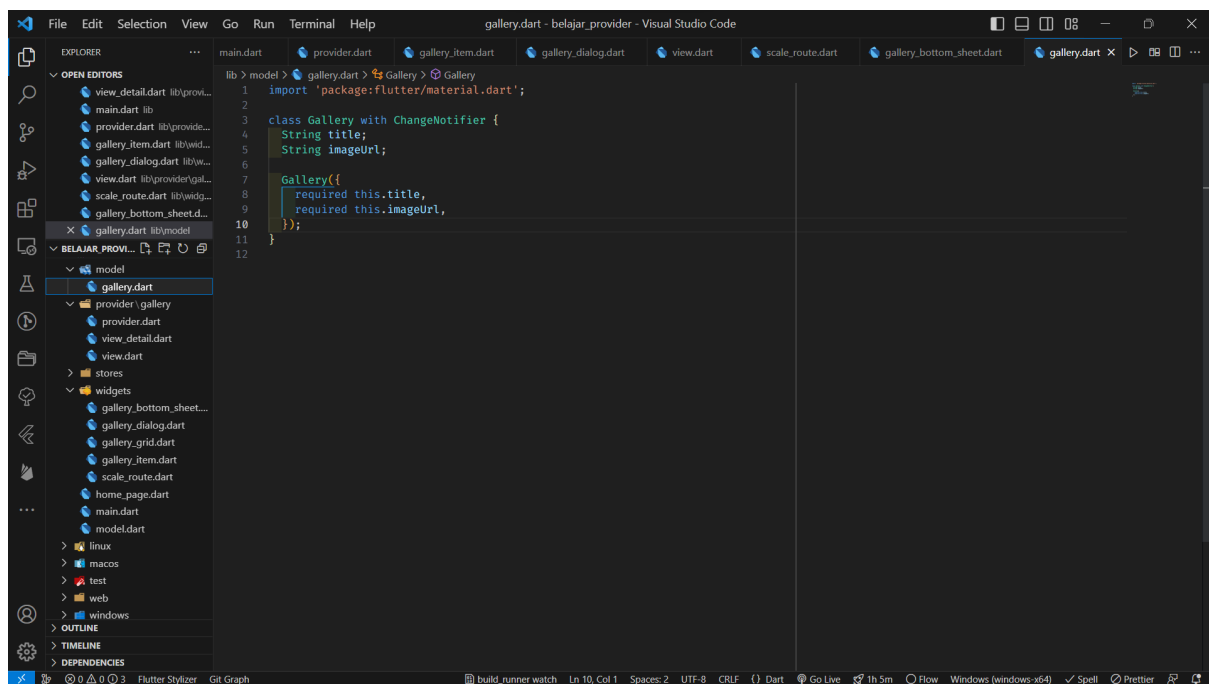
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Kelas : SIB 4 Flutter Kelas B

Tugas

1. Bukalah tugas kalian ([12. Soal Assets, Dialog Bottomsheet, Navigation](#))
2. Tambahkan & Implementasikan penggunaan provider pada aplikasi tersebut

Jawab :

Menambahkan dan mengimplementasikan penggunaan provider di aplikasi tersebut



provider.dart - belajar_provider - Visual Studio Code

```
lib > provider > gallery > provider.dart > GalleryProvider > findByTitle
1 import 'package:flutter/material.dart';
2
3 import '../model/gallery.dart';
4
5 class GalleryProvider extends ChangeNotifier {
6   final List<Gallery> _myGallery = List.generate(
7     9,
8     (index) {
9       return Gallery(
10         title: "Product ${index + 1}",
11         imageUrl: 'https://picsum.photos/id/$index/200/300',
12       ); // Gallery
13     },
14   ); // List.generate
15   List<Gallery> get myGallery => _myGallery;
16
17   void addImage(Gallery myGallery) {
18     _myGallery.add(myGallery);
19     notifyListeners();
20   }
21
22   Gallery findByTitle(galleryTitle) {
23     return _myGallery.firstWhere((galTit) => galTit.title == galleryTitle);
24   }
25
26 }
```

view.dart - belajar_provider - Visual Studio Code

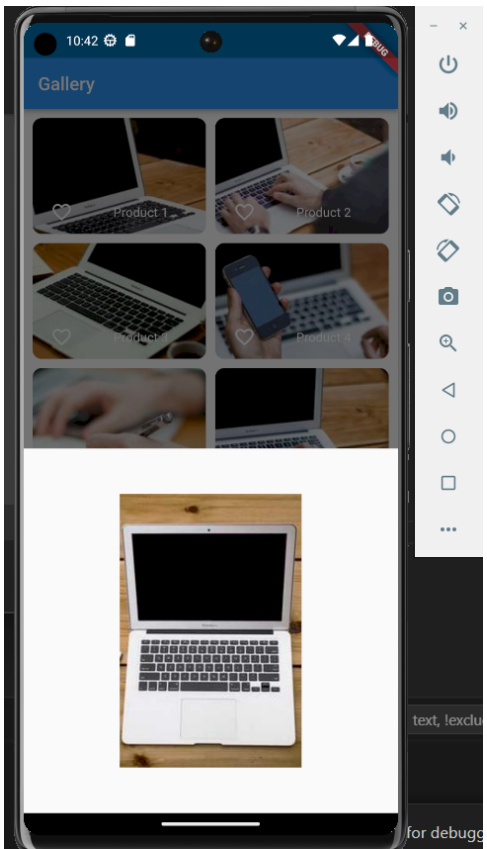
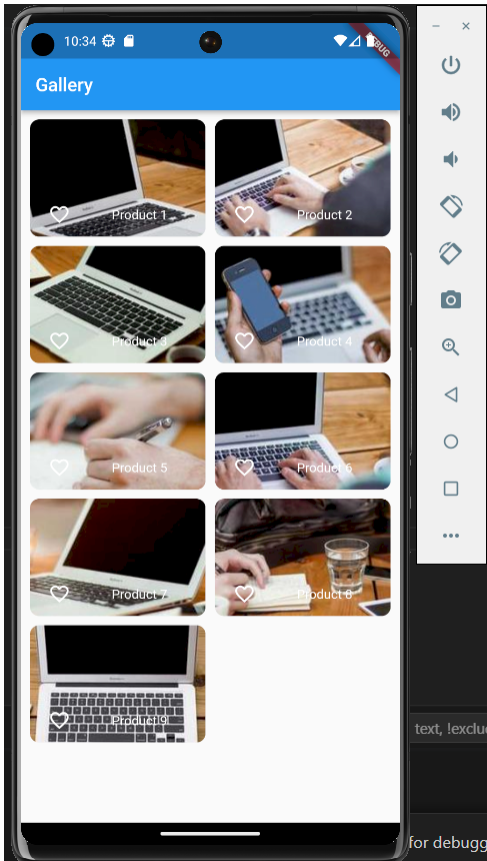
```
lib > provider > gallery > view.dart > GalleryPage
1 import 'package:belajar_provider/widgets/gallery_grid.dart'; "belajar": Unknown word.
2 import 'package:flutter/material.dart';
3 import 'package:provider/provider.dart';
4
5 import 'provider.dart';
6
7 class GalleryPage extends StatefulWidget {
8   const GalleryPage({super.key});
9
10   @override
11   State<GalleryPage> createState() => _GalleryPageState();
12 }
13
14 class _GalleryPageState extends State<GalleryPage> {
15   @override
16   Widget build(BuildContext context) {
17     return ChangeNotifierProvider(
18       create: (BuildContext context) => GalleryProvider(),
19       builder: (context, child) => _buildPage(context),
20     ); // ChangeNotifierProvider
21
22   }
23
24   Widget _buildPage(BuildContext context) {
25     return Scaffold(
26       appBar: AppBar(
27         title: const Text('Gallery'),
28       ), // AppBar
29       body: const GalleryGrid(),
30     ); // Scaffold
31
32 }
```

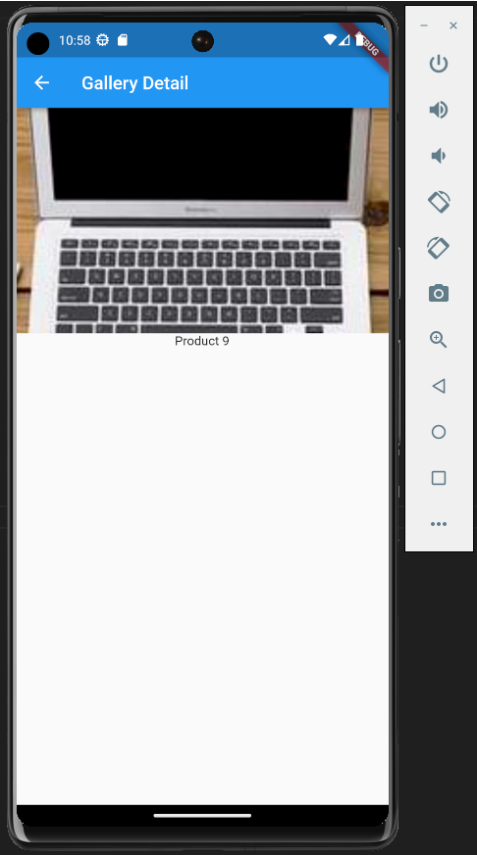
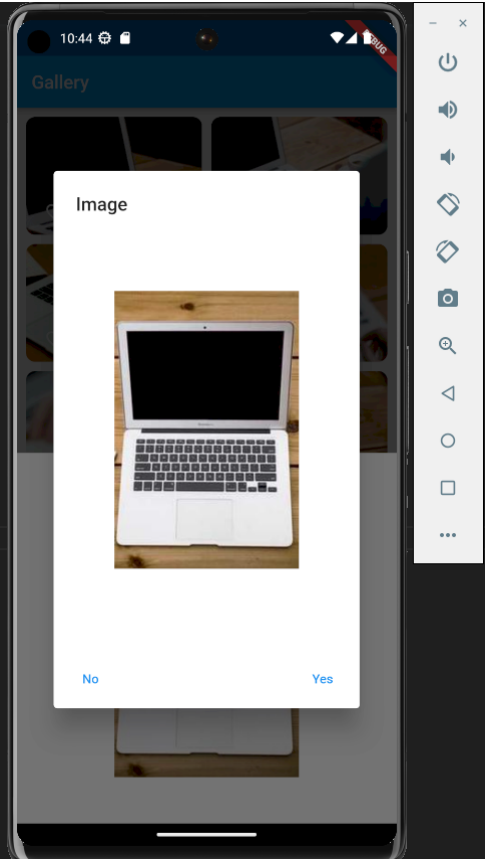
gallery_grid.dart - belajar_provider - Visual Studio Code

```
1 import 'package:belajar_provider/provider/gallery/provider.dart';
2 import 'package:flutter/material.dart';
3 import 'package:provider/provider.dart';
4
5 import 'gallery_item.dart';
6
7 class GalleryGrid extends StatelessWidget {
8   const GalleryGrid({super.key});
9
10  @override
11  Widget build(BuildContext context) {
12    final galleryData = Provider.of<GalleryProvider>(context);
13    final allGallery = galleryData.myGallery;
14    return GridView.builder(
15      padding: const EdgeInsets.all(10.0),
16      itemCount: allGallery.length,
17      itemBuilder: (context, index) => ChangeNotifierProvider.value(
18        value: allGallery[index],
19        child: const GalleryItem(),
20      ), // ChangeNotifierProvider.value
21      gridDelegate: const SliverGridDelegateWithFixedCrossAxisCount(
22        crossAxisCount: 2,
23        childAspectRatio: 3 / 2,
24        crossAxisSpacing: 10,
25        mainAxisSpacing: 10,
26      ), // SliverGridDelegateWithFixedCrossAxisCount
27    ); // GridView.builder
28  }
29
30 }
```

gallery_item.dart - belajar_provider - Visual Studio Code

```
3 import 'package:flutter/material.dart';
4 import 'package:provider/provider.dart';
5
6 import 'gallery_bottom_sheet.dart';
7
8 class GalleryItem extends StatelessWidget {
9   const GalleryItem({
10     super.key,
11   });
12
13  @override
14  Widget build(BuildContext context) {
15    final myImage = Provider.of<Gallery>(context);
16    return ClipRRect(
17      borderRadius: BorderRadius.circular(10),
18      child: GridTile(
19        footer: GridTileBar(
20          leading: IconButton(
21            onPressed: () {},
22            icon: const Icon(Icons.favorite_border_outlined),
23          ), // IconButton
24          title: Text(
25            myImage.title,
26            textAlign: TextAlign.center,
27          ), // Text
28        ), // GridTileBar
29        child: GalleryBottomSheet(myImage: myImage),
30      ), // GridTile
31    ); // ClipRRect
32  }
33
34
35
36
37 }
```





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).

Jawab :

animasi transisi scale pada halaman

