

Tugas

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

```
class GambarProvider extends ChangeNotifier{
  File? _image;

  File? get image => _image;

  void setImage(File? image) {
    _image = image;
    notifyListeners();
  }

  final List<String> imgs = [
    'assets/p1.jpg',
    'assets/p2.jpg',
    'assets/p3.jpg',
    'assets/p4.jpg',
  ];

  void addimage(String img){
    imgs.add(img);
    notifyListeners();
  }
}
```

```
void main() {
  runApp(MultiProvider(providers: [
    ChangeNotifierProvider(
      create: (_) => gambar_st.GambarProvider(), // ChangeNotifierProv
    ],
    child: const MyApp(),
  ), // MultiProvider
);
}
```

```

@override
Widget build(BuildContext context) {
  GambarProvider gambarProvider = Provider.of<GambarProvider>(context);
  return Scaffold(
    appBar: AppBar(
      backgroundColor: Color.fromARGB(85, 15, 122, 180),
      title: Center(child: Text('Home Studio and Guitar')),
    ), // AppBar
    body: Column(
      children: [
        Expanded(
          child: GridView.builder(
            padding: const EdgeInsets.all(10),
            gridDelegate: SliverGridDelegateWithFixedCrossAxisCount(
              crossAxisCount: 2,
              crossAxisSpacing: 3,
            ), // SliverGridDelegateWithFixedCrossAxisCount
            itemCount: gambarProvider.imgs.length,
            itemBuilder: (BuildContext context, int index){
              return GestureDetector(
                onTap: (){
                  Navigator.of(context)
                    .pushNamed(
                      '/newpage', arguments: gambarProvider.imgs[index]);
                },
                child: Image.asset(gambarProvider.imgs[index]),
              ); // GestureDetector
            }, // GridView.builder
          ), // Expanded
        Center(
          child: gambarProvider.image == null
            ? Text('data.')
            : Image.file(File(gambarProvider.image!.path)),
        ), // Center
      ],
    ), // Column
    floatingActionButton: FloatingActionButton(
      onPressed: () => Navigator.of(context)
        .pushNamed('/tambah_gambar'),
      child: const Icon(Icons.add),
    ), // FloatingActionButton
  ); // Scaffold
  // This trailing comma makes auto-formatting nicer for build methods.
}

```

```

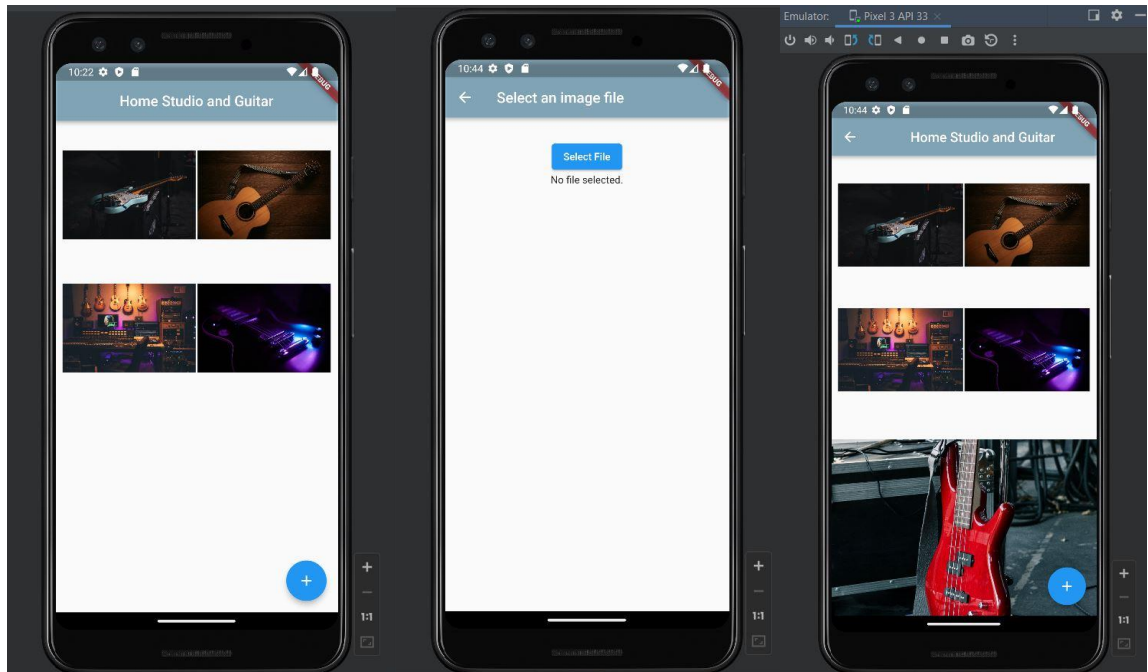
class _TambahGambarState extends State<TambahGambar> {
  Future pickFile(BuildContext context) async {
    final pickedFile = await FilePicker.platform.pickFiles();

    if (pickedFile != null) {
      GambarProvider gambarProvider = Provider.of<GambarProvider>(context, listen: false);
      gambarProvider.setImage(File(pickedFile.files.single.path));
      Navigator.push(
        context,
        MaterialPageRoute(
          builder: (context) => MyHomePage(),
        ), // MaterialPageRoute
      );
    } else {
      print('No file selected.');
```

```

@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(
      title: Text('Select an image file'),
      backgroundColor: Color.fromARGB(85, 15, 122, 180),
    ), // AppBar
    body: Consumer<GambarProvider>(
      builder: (context, gambarProvider, child) {
        return Column(
          children: [
            SizedBox(
              height: 30,
            ), // SizedBox
            Container(
              alignment: Alignment.bottomCenter,
              child: ElevatedButton(
                onPressed: () => pickFile(context),
                child: Text('Select File'),
              ), // ElevatedButton
            ), // Container
            gambarProvider.image == null
              ? Text('No file selected.')
              : Text(gambarProvider.image!.path),
          ],
        );
      },
    ),
  );
}

```



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).

```

        return GestureDetector(
            onTap: (){
                Navigator.of(context)
                    .pushNamed(
                        '/newpage', arguments: gambarProvider.imgs[index],);
            },
            child: Image.asset(gambarProvider.imgs[index]),
        ); // GestureDetector
    },
); // GridView.builder

```

```

initialRoute: '/',
onGenerateRoute: (settings) {
    if (settings.name == "/newpage") {
        final String parameter = settings.arguments as String;
        return PageRouteBuilder(
            settings: settings, // Pass this to make popUntil(), pushNamedAndRemoveUntil(), works
            pageBuilder: (_, __, ___) => newPage(image: parameter),
            transitionsBuilder: (context, animation, secondaryAnimation, child) {
                final tween = Tween(begin: 0.0, end: 1.0);
                return ScaleTransition(
                    scale: animation.drive(tween),
                    child: child,
                ); // ScaleTransition
            }
        ); // PageRouteBuilder
    }
}

```