

_HomePageState()

extends State

@override

initState()

- **super.initState()**
- **build()**
 - **return Scaffold()** -> **AppBar()** -> **Text("Awie's Diary")**
 - **Center()** -> **CircularProgressIndicator()**
 - **ListView.builder()**
 - **Card()** -> **EdgeInsets.all(10)**
 - **ListTile()**
 - **CircleAvatar()** -> **Image.asset('assets/images/happy.gif')**
 - **Text(), Text()**
 - **SizeBox()**
 - **Row()**
 - **IconButton()** -> **Icon(Icons.edit)** -> **onPressed()** **return _showForm()**
 - **IconButton()** -> **Icon(Icons.delete)** -> **onPressed()** **return _deleteDiary()**
 - **FloatingActionButton()** -> **Icon(Icons.add)** -> **onPressed()** **return _showForm(null)**
- **_refreshDiaries()**

_refreshDiaries(): async

- **await SQLHelper.getDiaries()**
- **setState()**

_showForm(): async

- **firstWhere()**
- **showModalBottomSheet()**
 - **Container()**
 - **EdgeInsets.only()**
 - **Column()** -> **TextField()** -> **InputDecoration(hintText: 'Feeling', SizeBox(),**
TextField() -> **InputDecoration(hintText: 'Description', SizeBox(),**
ElevatedButton()
 - **onPressed(): async**
 - **await _addDiary(), await _updateDiary(id)**
 - **Navigator.of(context).pop()**
 - **Text(id == null ? 'Create New' : 'Update')**

_addDiary(): async

- **await SQLHelper.createDiary()**
- **_refreshDiaries()**

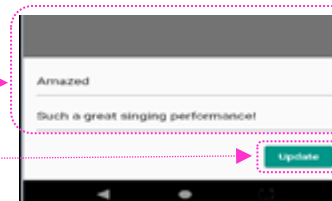
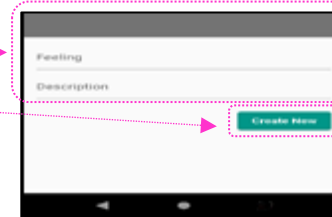
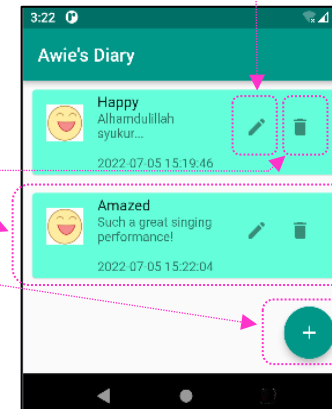
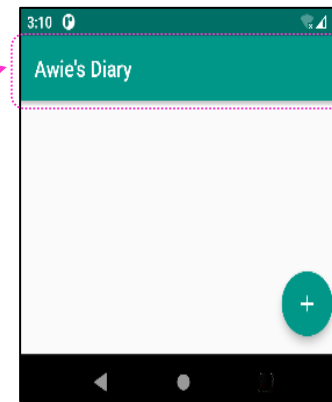
_updateDiary(int id): async

- **await SQLHelper.updateDiary()**
- **_refreshDiaries()**

_deleteDiary(int id): async

- **await SQLHelper.deleteDiary(id)**
- **ScaffoldMessenger.of(context).showSnackBar(const SnackBar()**
→ **Text('Successfully deleted a diary!')**
- **_refreshDiaries()**

_HomePageState.dart



3

HomePage()

extends StatefulWidget

@override

createState()

return _HomePageState()

homepage.dart

2

MyApp()

extends StatelessWidget

@override

build()

return MaterialApp() ->
ThemeData(), HomePage()

main.dart

1

main()

runApp()

→ **MyApp()**

main.dart