workshop number 7

TEACHnology

powered by
AIESEC

WORKSHOP 6

- **Items Lists**
- **Hero widget**
- **Files Layout**
- **FireBase**

Drawers

```
drawer: Drawer(
child: Container(), // Empty Container
), // Drawer
```
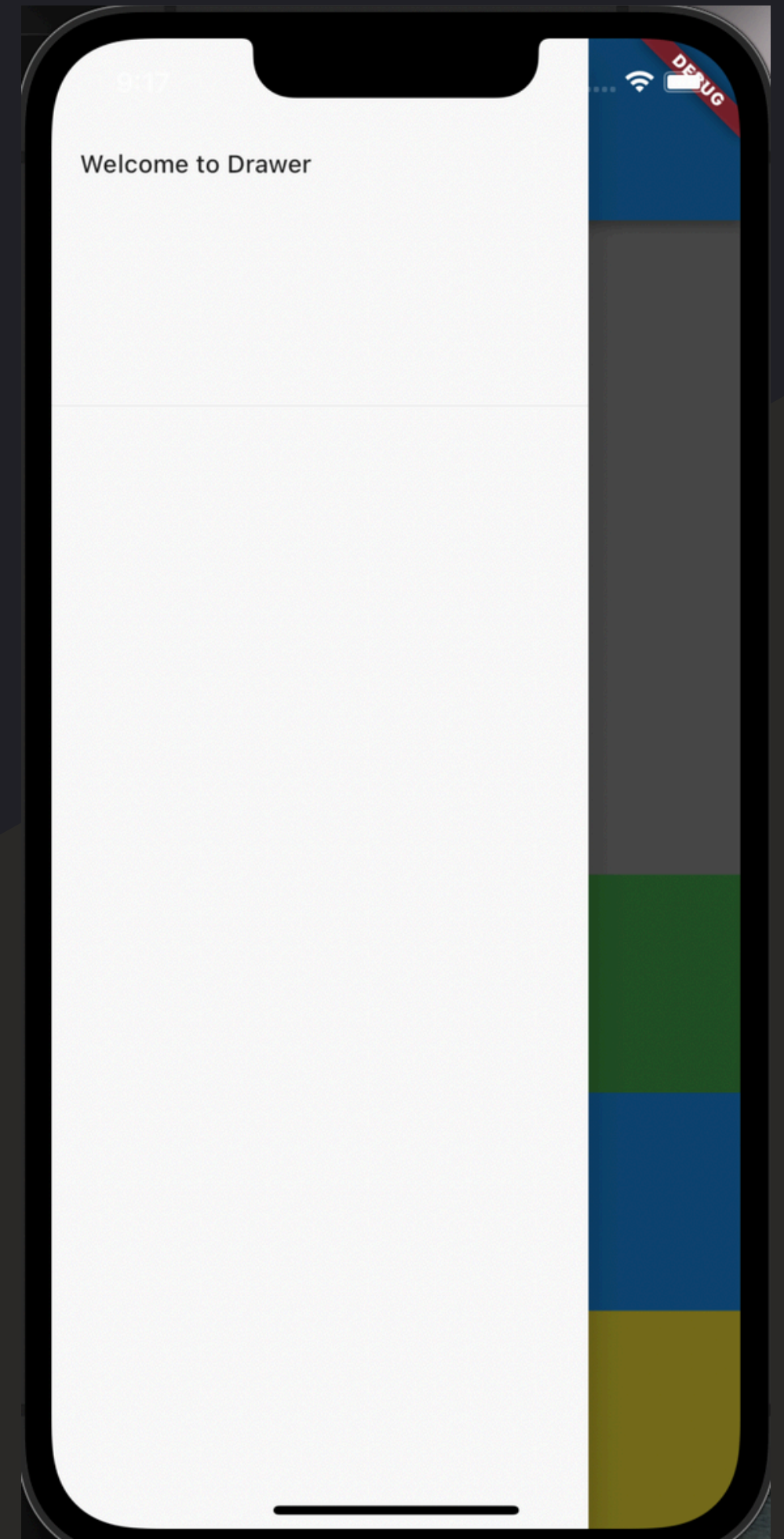
Add this in scaffold

Scrollable Drawers

instead of container we create ListView
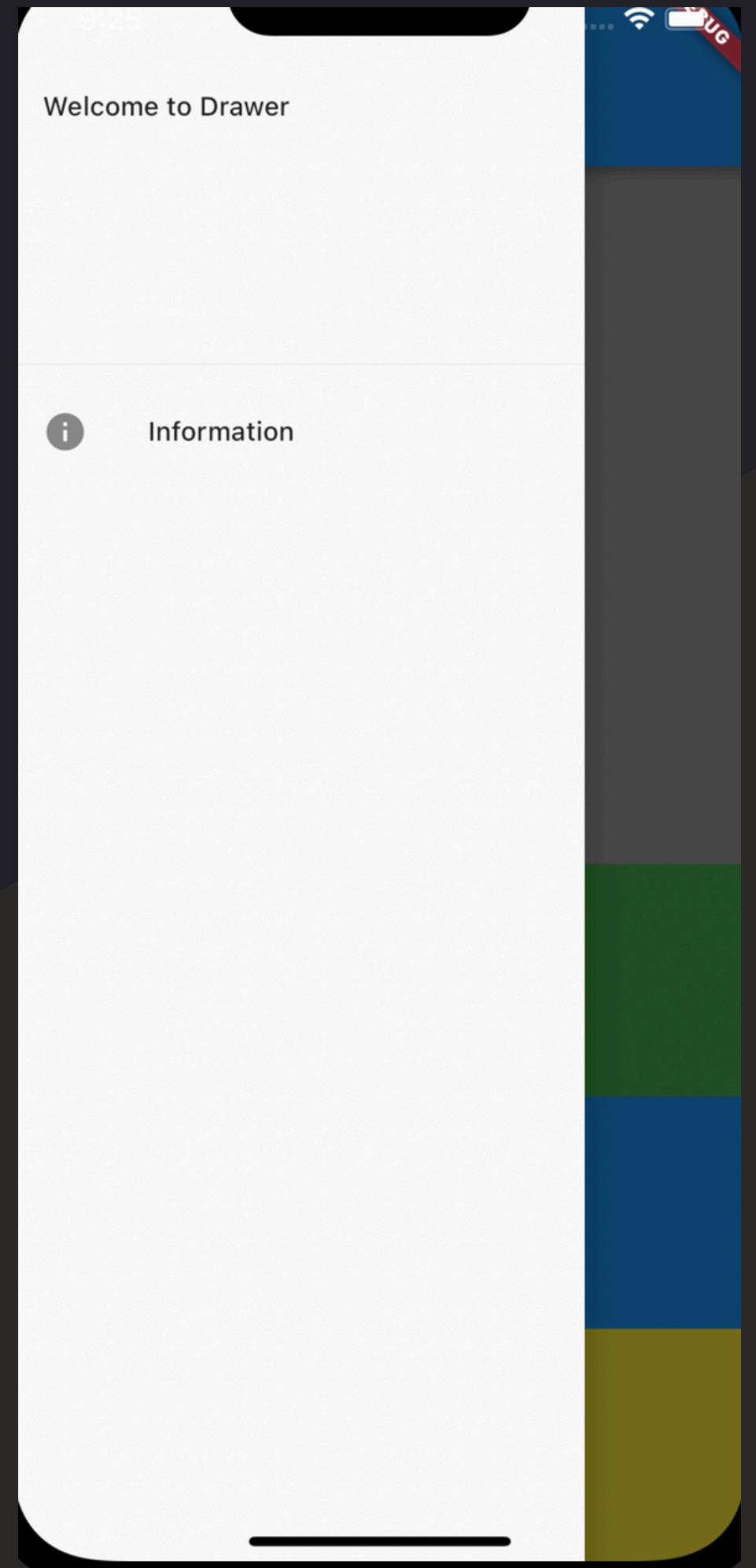
```
drawer: Drawer(
  child: ListView(
    children: <Widget>[
      DrawerHeader(
        child: Text(
          "Welcome to Drawer",
        ), // Text
      ), // DrawerHeader
    ], // <Widget>[]
  ), // Empty Container // ListView
), // Drawer
```

Welcome to Drawer

Scrollable Drawers

Inside ListView we create ListTile's

```
drawer: Drawer(
  child: ListView(
    children: <Widget>[
      DrawerHeader(
        child: Text(
          "Welcome to Drawer",
        ), // Text
      ), // DrawerHeader
      ListTile(
        leading: Icon(Icons.info),
        title: Text("Information"),
        onTap: () {},
      ) // ListTile
    ], // <Widget>[]
  ), // Empty Container // ListView
), // Drawer
```

Setting the code up
for navigation

```dart
import 'package:flutter/material.dart';

void main() {
  runApp(MyApp());
}

class MyApp extends StatelessWidget {
  TextEditingController textEditingController = TextEditingController();

  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      builder: (BuildContext context, Widget? child) {
        return Directionality(
          textDirection: TextDirection.ltr,
          child: Builder(
            builder: (BuildContext context) {
              return MediaQuery(
                data: MediaQuery.of(context)
                    .copyWith(alwaysUse24HourFormat: true),
                child: child!,
              );
            },
          ),
        );
      },
      home: MyHomePage(),
    );
  }
}

class MyHomePage extends StatelessWidget {
  TextEditingController textEditingController = TextEditingController();
```

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Creating and Showcasing lists

```dart
List<String> itemList = [
  "item1",
  "item2",
  "item3",
  "item4",
];

Run | Debug | Profile
void main() {
  runApp(MyApp());
}

class MyApp extends StatelessWidget {
  const MyApp({Key? key}) : super(key: key);

  @override
```
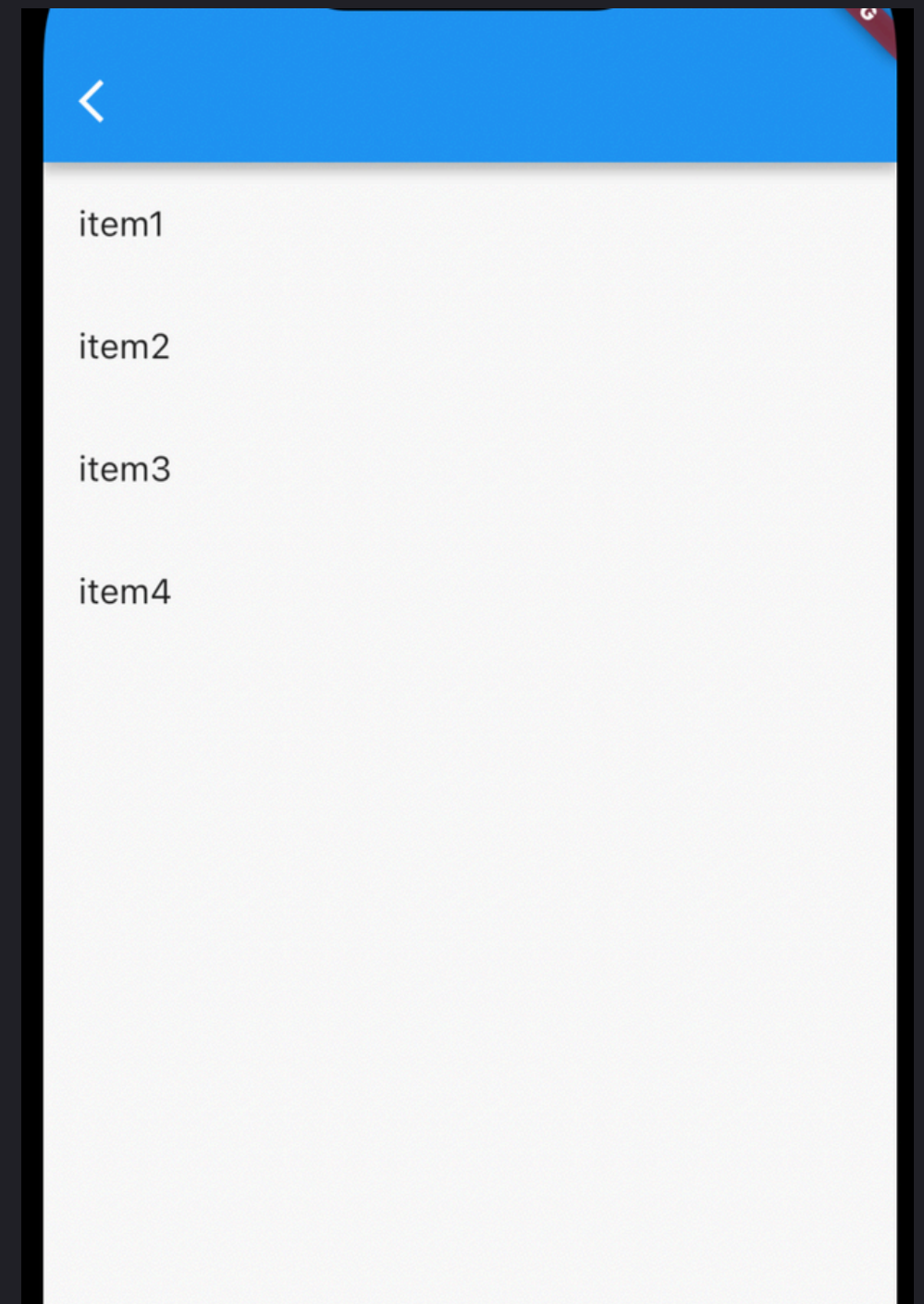
even before main

Create a list globally so you can use it anywhere

Using item builder function to
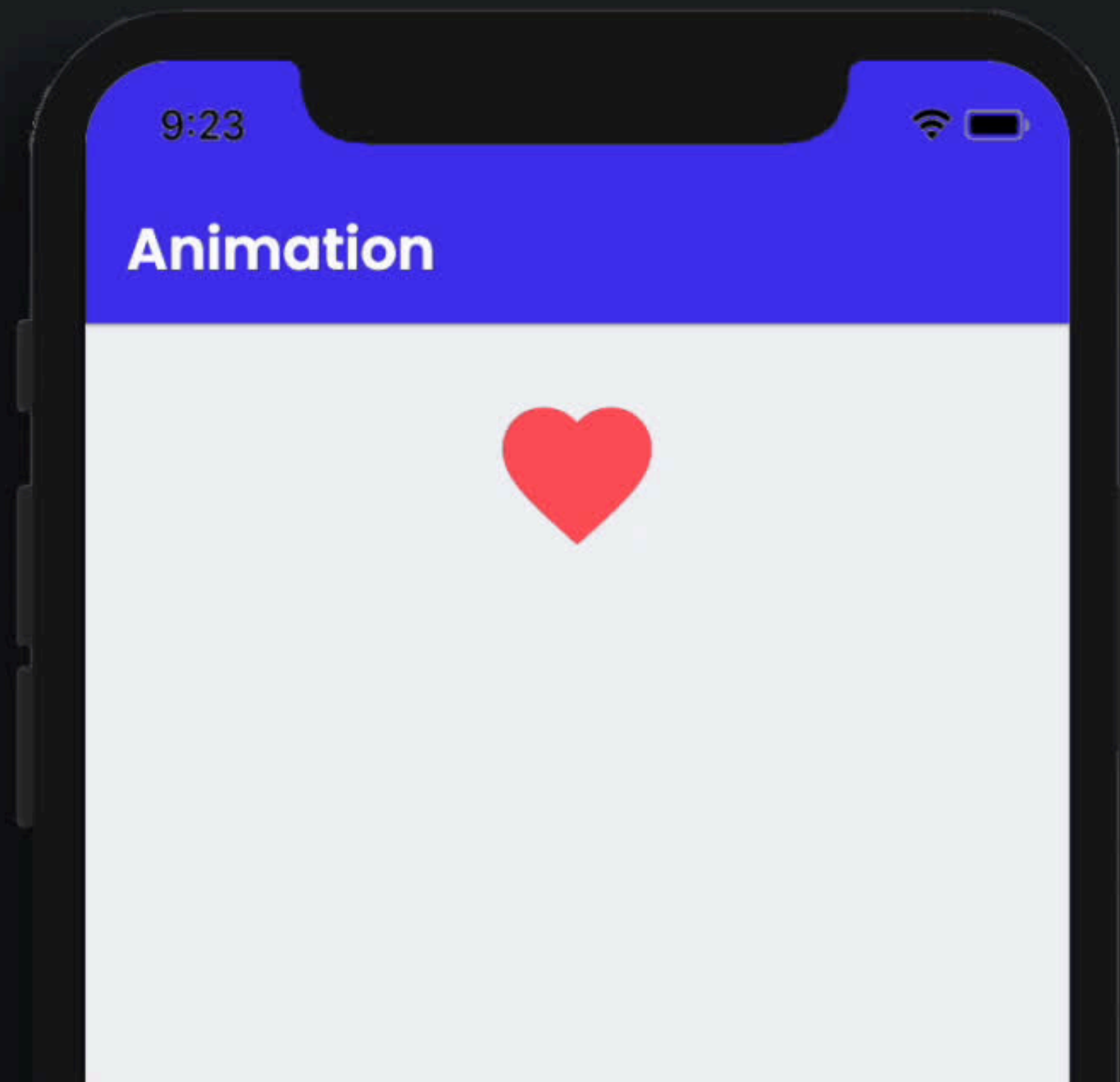
```
ListView.builder(
    itemCount: itemList.length,
    itemBuilder: (BuildContext context, int index) {
      return ListTile(
        title: Text(itemList[index]),
      ); // ListTile
    }) // ListView.builder
```

Name of your list

HERO WIDGET

https://www.youtube.com/watch?v=_IhZHF_Cl38
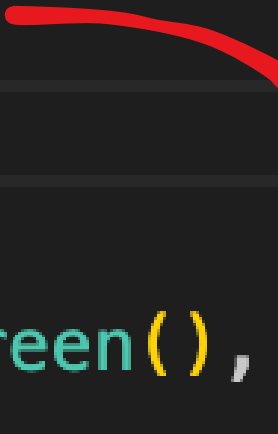
create Hero widget in any of your pages

```dart
child: Hero(
  tag: 'heroTag',
  child: Container(
    width: 200,
    height: 200,
    color: Colors.blue,
  ), // Container
), // Hero
```

wrap it in GestureDetector

```dart
child: GestureDetector(
  onTap: () {
    Navigator.push(
      context,
      MaterialPageRoute(
        builder: (_) => DetailScreen(),
      ), // MaterialPageRoute
    );
  },
  child: Hero(
    tag: 'heroTag',
    child: Container(
      width: 200,
      height: 200,
      color: Colors.blue,
    ), // Container
  ), // Hero
```

on tap it navigates to another page

that has another hero just bigger

```dart
child: GestureDetector(
  onTap: () {
    Navigator.push(
      context,
      MaterialPageRoute(
        builder: (_) => DetailScreen(),
      ), // MaterialPageRoute
    );
  },
  child: Hero(
    tag: 'heroTag',
    child: Container(
      width: 200,
      height: 200,
      color: Colors.blue,
    ), // Container
  ), // Hero
```

```dart
class DetailScreen extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text('Detail Screen'),
      ), // AppBar
      body: Center(
        child: Hero(
          tag: 'heroTag',
          child: Container(
            width: 400,
            height: 400,
            color: Colors.blue,
          ), // Container
        ), // Hero
      ), // Center
    ); // Scaffold
  }
}
```
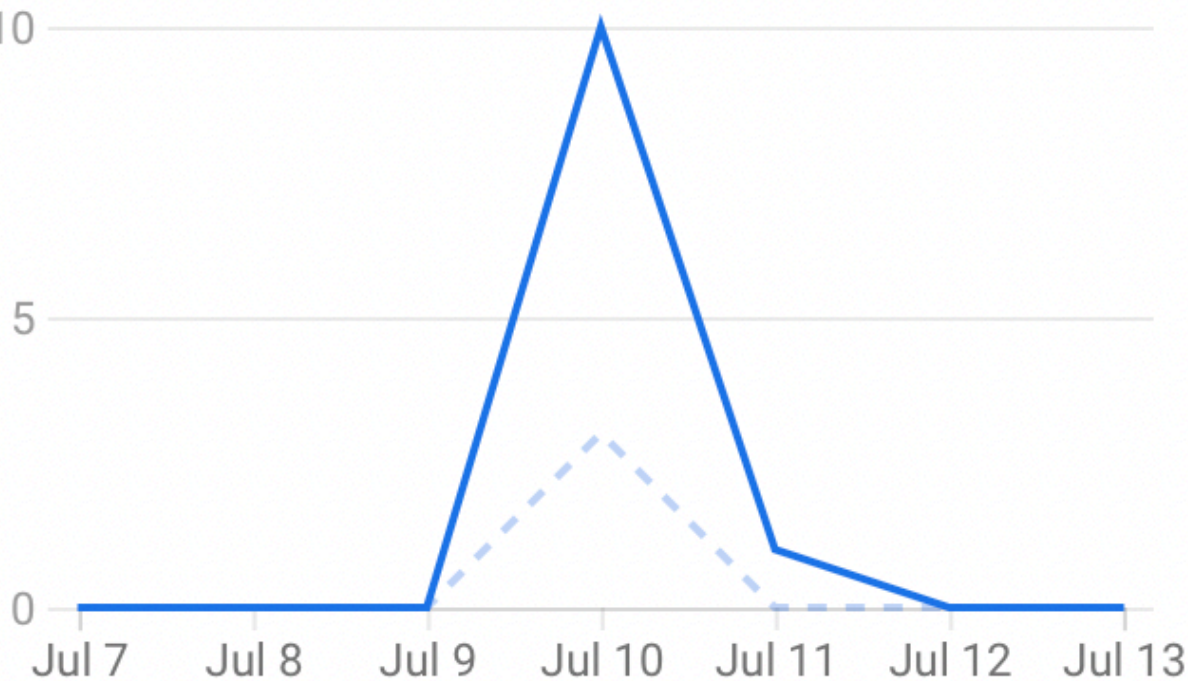
newtryproj Spark plan

▦ 1 app   + Add app

Build

▬

⬢ Firestore

Reads (current)

0

10

5

0

Jul 7   Jul 8   Jul 9   Jul 10   Jul 11   Jul 12   Jul 13

Writes (current)

0

6

3

0

Jul 7   Jul 8   Jul 9   Jul 10   Jul 11   Jul 12   Jul 13

— This week   - - Last week