Main

import 'package:flutter/material.dart';

import 'package:flutter/services.dart';

import 'package:flutter\_bloc/flutter\_bloc.dart';

import 'package:hello/for\_git\_ac/observer.dart';

import 'package:hello/for\_git\_ac/provider/provider\_home.dart';

import 'package:hello/for\_git\_ac/provider/provider\_page.dart';

import 'package:get/get.dart';

import 'package:provider/provider.dart';

void main() {

  Bloc.observer = ObserverPage();

  WidgetsFlutterBinding.ensureInitialized();

  SystemChrome.setEnabledSystemUIMode(SystemUiMode.immersiveSticky);

  runApp(GetMaterialApp(

      debugShowCheckedModeBanner: false,

      home: ChangeNotifierProvider<ProviderPage>(

        create: (context) {

          return ProviderPage();

        },

        child: ProviderHome(),

      )));

}

Home

import 'package:flutter/material.dart';

import 'package:hello/for\_git\_ac/provider/provider\_page.dart';

import 'package:provider/provider.dart';

class ProviderHome extends StatelessWidget {

  final numberController = TextEditingController();

  Widget build(BuildContext context) {

    print("ui is rebuild");

    return Scaffold(

      appBar: AppBar(

        title: const Text("Provider method"),

        centerTitle: true,

      ),

      body: ListView(padding: const EdgeInsets.all(10), children: [

        Consumer<ProviderPage>(

          builder: (context, value, child) {

            return Container(

              height: 200,

              width: double.infinity,

              color: value.color,

              alignment: Alignment.center,

              child: value.isLoading == true

                  ? const CircularProgressIndicator()

                  : Text(

                      value.message,

                      style: const TextStyle(

                          color: Colors.white,

                          fontWeight: FontWeight.bold,

                          fontSize: 30),

                    ),

            );

          },

        ),

        const SizedBox(

          height: 10,

        ),

        TextField(

          controller: numberController,

          keyboardType: TextInputType.number,

          decoration: const InputDecoration(

              border: OutlineInputBorder(), hintText: "Number"),

        ),

        const SizedBox(

          height: 10,

        ),

        ElevatedButton(

          onPressed: () {

            context.read<ProviderPage>().NowLoad(numberController.text);

          },

          child: const Text("Start"),

        ),

      ]),

    );

  }

}

Provider

import 'dart:math';

import 'package:flutter/material.dart';

// class DataBase {

//   final bool isLoading;

//   final Color color;

//   final String message;

//   DataBase(

//       {required this.isLoading, required this.color, required this.message});

// }

class ProviderPage extends ChangeNotifier {

  Color color = Colors.black;

  String message = "Start";

  int Count = 0;

  bool isLoading = false;

  Future<void> NowLoad(String textFieldController) async {

    isLoading = true;

    isLoading = false;

    color = Colors.grey;

    message = "Loading";

    notifyListeners();

    for (var i = 0; i < 100; i++) {

      await Future.delayed(const Duration(microseconds: 5));

      if (int.parse(textFieldController) == Random.secure().nextInt(9)) {

        Count++;

      }

    }

    if (Count < 10) {

      isLoading = false;

      color = Colors.red;

      message = "Bad";

      notifyListeners();

      return;

    }

    if (Count >= 50 && Count <= 70) {

      isLoading = false;

      color = Colors.green;

      message = "Not Bad";

      notifyListeners();

      return;

    }

    isLoading = false;

    color = Colors.amber;

    message = "Good";

    notifyListeners();

  }

}