Lab 11 Essam Mohammad Asif 199379

Main.dart:

import 'dart:math';  
  
import 'package:flutter/material.dart';  
import 'package:lab10\_essam199379/apiService.dart';  
import 'package:lab10\_essam199379/models/labmodel.dart';  
import 'package:shared\_preferences/shared\_preferences.dart';  
  
void main() {  
 runApp(MyApp());  
}  
  
class MyApp extends StatelessWidget {  
 @override  
 Widget build(BuildContext context) {  
 return MaterialApp(  
 debugShowCheckedModeBanner: false,  
 title: 'Flutter Demo',  
 theme: ThemeData(  
 primarySwatch: Colors.*blue*,  
 ),  
 home: MyHomePage(),  
 );  
 }  
}  
  
class MyHomePage extends StatefulWidget {  
 @override  
 \_MyHomePageState createState() => \_MyHomePageState();  
}  
class \_MyHomePageState extends State<MyHomePage> {  
 int randNum;  
  
 void generateRandomNumber(){  
 setState(() {  
 randNum = Random().nextInt(100000);  
 });  
 }  
  
 Future<int> getStored() async{  
 final prefs = await SharedPreferences.*getInstance*();  
 return prefs.getInt("intValue");  
 }  
  
 @override  
 Widget build(BuildContext context) {  
 return Scaffold(  
 appBar: AppBar(  
 title: Text("Essam Asif 199379 BSCS 7A"),  
 ),  
 body: Center(  
 child: Column(  
 children: [  
 SizedBox(height: 50,),  
 Text("You have generated this random number:"),  
 Text(randNum.toString(), style: TextStyle(fontSize: 28),),  
 SizedBox(height: 30,),  
 Text("You saved this number in shared prefs:"),  
 FutureBuilder<int>( future: getStored(),  
 builder: (context, snapshot){  
 if(snapshot.hasData){  
 return Text(snapshot.data.toString(), style: TextStyle(fontSize: 28));  
 }  
 else{  
 return SizedBox.shrink();  
 }  
 }),  
 Padding(  
 padding: const EdgeInsets.all(8.0),  
 child: Row(  
 mainAxisAlignment: MainAxisAlignment.spaceBetween,  
 children: [  
 RaisedButton(child: Text("Load"), onPressed: (){setState(() {  
  
 });},),  
 RaisedButton(child: Text("Random"), onPressed: (){  
 generateRandomNumber();  
 setState(() {  
  
 });  
 },),  
 RaisedButton(child: Text("Save"),  
 onPressed: () async {  
 SharedPreferences prefs = await SharedPreferences.*getInstance*();  
 prefs.setInt('intValue', randNum);  
 },  
 ),  
 ],  
 ),  
 ),  
 RaisedButton(  
 child: Text("Delete"),  
 onPressed: () async {  
 SharedPreferences prefs = await SharedPreferences.*getInstance*();  
 await prefs.remove("intValue");  
 setState(() {  
  
 });  
 })  
 ],  
 ),  
 ), // This trailing comma makes auto-formatting nicer for build methods.  
 );  
 }  
}

Output:

Graphical user interface, application, Teams

Description automatically generated