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19-NTU-CS-1118  
BSSE-06

Mob App Dev

Lab-6

# **Task**

import 'package:flutter/material.dart';

import 'Quiz\_Bank.dart';

import 'QuesAns.dart';

void main() {

runApp(Quiz());

}

class Quiz extends StatelessWidget {

@override

Widget build(BuildContext context) {

return MaterialApp(

home: Scaffold(

backgroundColor: Colors.black,

appBar: AppBar(

title: Center(child: Text('Quizz Application')),

backgroundColor: Colors.red,

),

body: SafeArea(

child: QuizKey(),

),

),

);

}

}

class QuizKey extends StatefulWidget {

@override

\_QuizKeyState createState() => \_QuizKeyState();

}

class \_QuizKeyState extends State<QuizKey> {

QuizBrain obj = QuizBrain();

List<Widget> scorkeeper = [];

@override

Widget build(BuildContext context) {

return Container(

child: Column(

mainAxisAlignment: MainAxisAlignment.center,

crossAxisAlignment: CrossAxisAlignment.stretch,

children: [

Expanded(

flex: 5,

child: Center(

child: Text(

obj.GetQuestions(),

style: TextStyle(fontSize: 16, color: Colors.white),

),

),

),

Expanded(

child: Padding(

padding: const EdgeInsets.all(20.0),

child: Container(

height: double.infinity,

width: double.infinity,

color: Colors.green,

child: TextButton(

onPressed: () {

bool corretAnswer = obj.CorrectAnswer();

if (obj.isFinished() == true) {

obj.reset();

scorkeeper = [];

} else {

if (corretAnswer == true) {

scorkeeper.add(

Icon(Icons.check, color: Colors.green),

);

} else {

scorkeeper.add(

Icon(Icons.close, color: Colors.red),

);

}

setState(() {

obj.nextQuestions();

});

}

},

child: Text(

'True',

style: TextStyle(

color: Colors.white,

fontSize: 16,

fontWeight: FontWeight.bold),

),

),

),

),

),

Expanded(

child: Padding(

padding: const EdgeInsets.all(20.0),

child: Container(

height: double.infinity,

width: double.infinity,

color: Colors.red,

child: TextButton(

onPressed: () {

bool corretAnswer = obj.CorrectAnswer();

if (obj.isFinished() == true) {

obj.reset();

scorkeeper = [];

} else {

if (corretAnswer == false) {

scorkeeper.add(

Icon(Icons.check, color: Colors.green),

);

} else {

scorkeeper.add(

Icon(Icons.close, color: Colors.red),

);

}

setState(() {

obj.nextQuestions();

});

}

},

child: Text(

'False',

style: TextStyle(

color: Colors.white,

fontSize: 18,

fontWeight: FontWeight.bold),

),

),

),

),

),

Row(

children: scorkeeper,

)

],

),

);

}

}

**Graphical user interface

Description automatically generated**