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**welcome.dart**

*import* 'package:flutter/cupertino.dart';  
*import* 'package:flutter/material.dart';  
*import* 'package:xylophone\_app/main.dart';  
*import* 'package:xylophone\_app/settings.dart';  
*void* main() => runApp(welcome());  
*class* welcome *extends* StatelessWidget {  
  
  
 @override  
 Widget build(BuildContext context) {  
 *return* MaterialApp(  
 debugShowCheckedModeBanner: *false*,  
 home: Scaffold(  
  
 body: welcomepage(),  
 ),  
 );  
 }  
}  
*class* welcomepage *extends* StatefulWidget {  
  
 @override  
 \_welcomepageState createState() => \_welcomepageState();  
}  
  
*class* \_welcomepageState *extends* State<welcomepage> {  
 String \_selectedLocation1='green',\_selectedLocation2='1',\_selectedLocation3,\_selectedLocation4='2',\_selectedLocation5,\_selectedLocation6='3'  
 ,\_selectedLocation7,\_selectedLocation8='4',\_selectedLocation9,\_selectedLocation10='5',\_selectedLocation11,\_selectedLocation12='6'  
 ,\_selectedLocation13,\_selectedLocation14='7';  
 @override  
 Widget build(BuildContext context) {  
 *return* Container(  
 decoration: BoxDecoration(  
 image: DecorationImage(  
 image: AssetImage("images/child.webp"),  
 fit: BoxFit.cover,  
 ),  
 ),  
 child: Column(  
 mainAxisAlignment: MainAxisAlignment.start,  
 children: [  
 SizedBox(height: 100,),  
 Row(  
  
 mainAxisAlignment: MainAxisAlignment.center,  
 children: [  
 Container(  
 height: 200,  
 width: 200,  
 decoration: BoxDecoration(  
 image: DecorationImage(  
 image: AssetImage('images/bear.gif'),  
  
 ),  
 ),  
  
  
 ),  
  
 ],  
 ),  
 SizedBox(height: 50,),  
  
 Column(  
 children: [  
 Row(  
 mainAxisAlignment: MainAxisAlignment.center,  
 children: [  
 Container(  
 child: TextButton(  
 child: Image.asset("images/play.png"),  
 onPressed: () {  
 Navigator.*push*(  
 context,  
 MaterialPageRoute(builder: (context) => XylophoneApp(selectedLocation1:0xFF42A5F5,selectedLocation3:0xFFFFA500,selectedLocation5:0xFFFFFF00,selectedLocation7:0xFF00FF00,selectedLocation9:0xFF008080,selectedLocation11:0xFF0000FF,selectedLocation13:0xFF6a0dad,selectedLocation2:int.*parse*(\_selectedLocation2),selectedLocation4:int.*parse*(\_selectedLocation4),selectedLocation6:int.*parse*(\_selectedLocation6),selectedLocation8:int.*parse*(\_selectedLocation8),selectedLocation10:int.*parse*(\_selectedLocation10),selectedLocation12:int.*parse*(\_selectedLocation12),selectedLocation14:int.*parse*(\_selectedLocation14))),  
 );  
 },  
 )  
  
  
 ),  
  
 ],  
  
 ),  
  
  
  
 Row(  
  
 mainAxisAlignment: MainAxisAlignment.center,  
 children: [  
 Container(  
 child: TextButton(  
 child: Image.asset("images/setting.png"),  
 onPressed: () {  
 Navigator.*push*(  
 context,  
 MaterialPageRoute(builder: (context) => settings()),  
  
 );  
 },  
 )  
 ),  
 ],  
 ),  
  
 ],  
 ),  
 ],  
 ),  
 );  
 }  
}

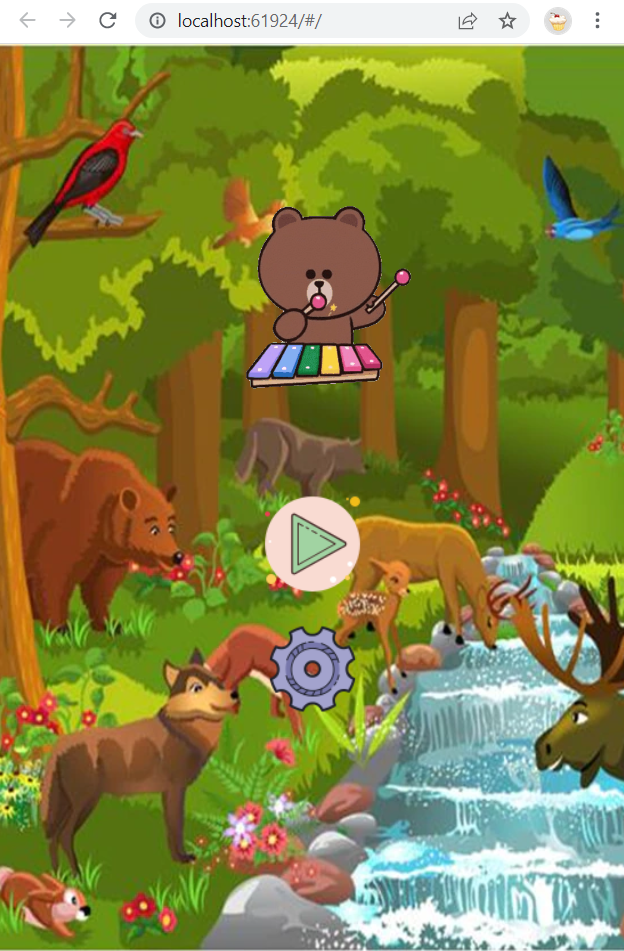
**main.dart**

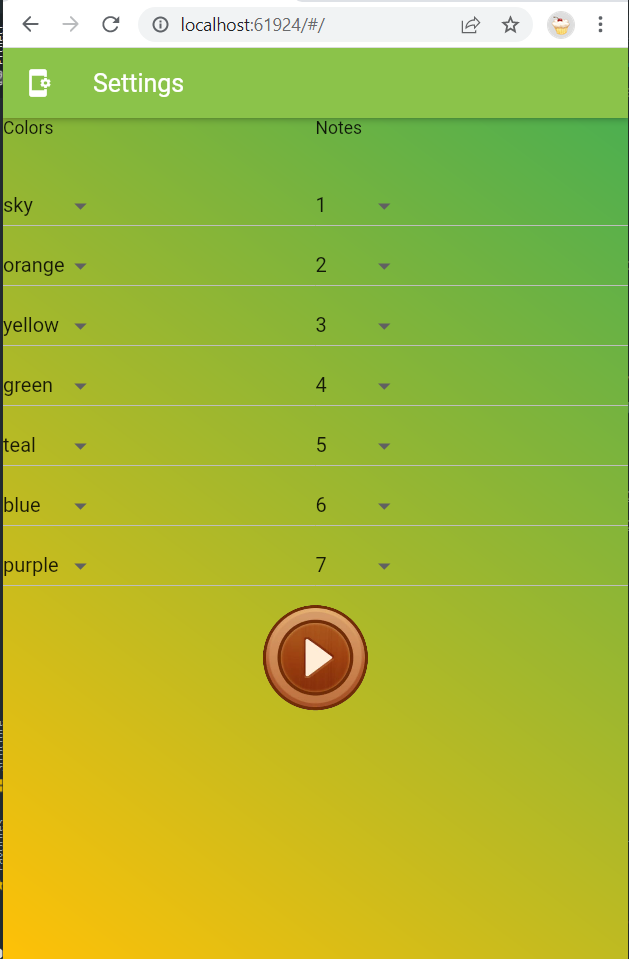
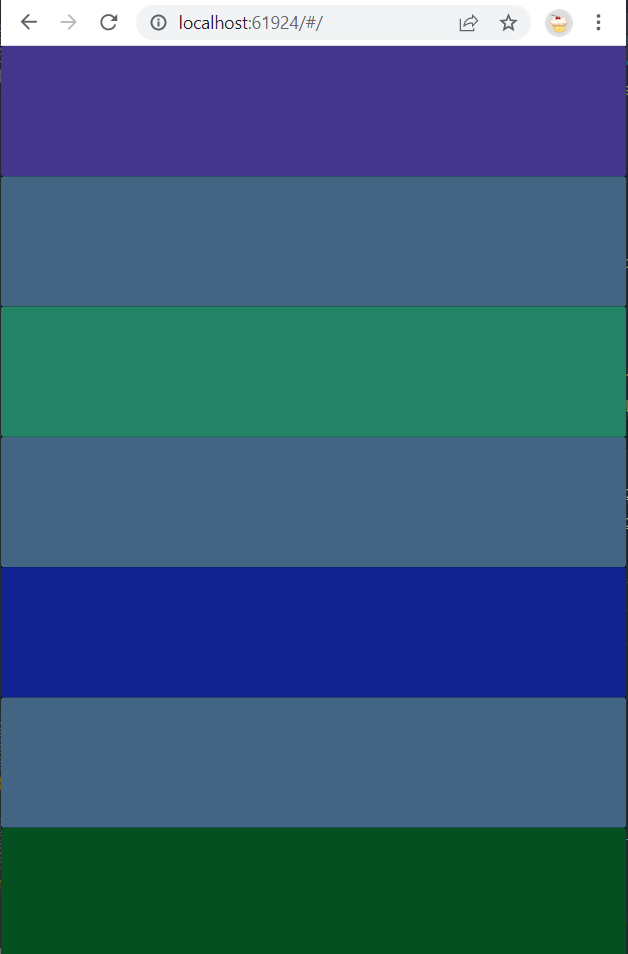
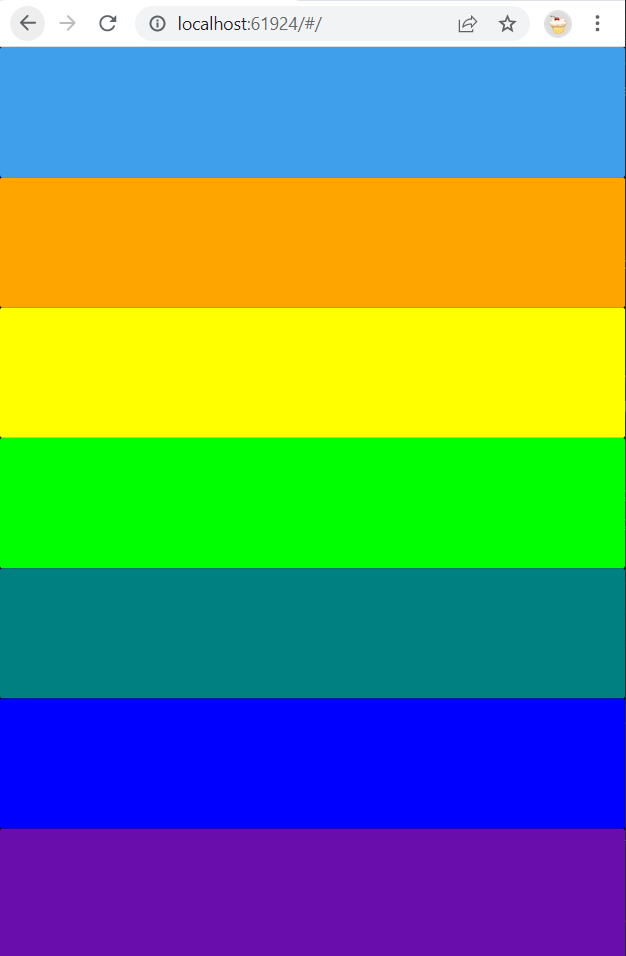
*import* 'package:flutter/material.dart';  
*import* 'package:audioplayers/audioplayers.dart';  
*import* 'package:splashscreen/splashscreen.dart';  
*import* 'package:xylophone\_app/welcome.dart';  
*import* 'package:xylophone\_app/settings.dart';  
*void* main() => runApp(welcome());  
  
  
*class* MyApp *extends* StatefulWidget {  
 @override  
 \_MyAppState createState() => *new* \_MyAppState();  
}  
  
*class* \_MyAppState *extends* State<MyApp> {  
 @override  
  
 Widget build(BuildContext context) {  
  
 *return* SplashScreen(  
  
 seconds: 40,  
 navigateAfterSeconds: XylophoneApp(),  
 title: Text(  
 'Welcome In SplashScreen',  
 style: TextStyle(fontWeight: FontWeight.*bold*, fontSize: 20.0),  
 ),  
 image: Image.network(  
 'https://flutter.io/images/catalog-widget-placeholder.png'),  
 backgroundColor: Colors.*white*,  
 loaderColor: Colors.*red*,  
 );  
 }  
}  
  
*class* XylophoneApp *extends* StatelessWidget {  
 *var* selectedLocation3,selectedLocation5,selectedLocation7,selectedLocation9,selectedLocation11,selectedLocation13,selectedLocation2,selectedLocation4,selectedLocation6,selectedLocation8,selectedLocation10,selectedLocation12,selectedLocation14,selectedLocation1;  
 XylophoneApp({*this*.selectedLocation1,*this*.selectedLocation3,*this*.selectedLocation5,*this*.selectedLocation7,*this*.selectedLocation9,*this*.selectedLocation11,*this*.selectedLocation13,*this*.selectedLocation2,*this*.selectedLocation4, *this*.selectedLocation6, *this*.selectedLocation8, *this*.selectedLocation10, *this*.selectedLocation12, *this*.selectedLocation14});  
  
 *void* playSound(int soundNumber) {  
 *final* player = AudioCache();  
 player.play('note$soundNumber.wav');  
 }  
  
 Expanded buildKey({Color color, int soundNumber}) {  
 *return* Expanded(  
 child: FlatButton(  
 color: color,  
 onPressed: () {  
 playSound(soundNumber);  
 },  
 ),  
 );  
 }  
 String colors(String value ){  
  
 *if*( value =='sky' )  
 {  
  
 selectedLocation1=0xFF42A5F5;  
 *return* selectedLocation1;  
 }  
  
 }  
  
 @override  
 Widget build(BuildContext context) {  
 *return* MaterialApp(  
 debugShowCheckedModeBanner: *false*,  
 home: Scaffold(  
 backgroundColor: Colors.*black*,  
 body: SafeArea(  
 child: Column(  
  
 crossAxisAlignment: CrossAxisAlignment.stretch,  
 children: <Widget>[  
 buildKey(color: Color(selectedLocation1), soundNumber: selectedLocation2),  
 buildKey(color: Color(selectedLocation3), soundNumber: selectedLocation4),  
 buildKey(color: Color(selectedLocation5), soundNumber: selectedLocation6),  
 buildKey(color: Color(selectedLocation7), soundNumber: selectedLocation8),  
 buildKey(color: Color(selectedLocation9), soundNumber: selectedLocation10),  
 buildKey(color: Color(selectedLocation11), soundNumber: selectedLocation12),  
 buildKey(color: Color(selectedLocation13), soundNumber: selectedLocation14),  
 ],  
 ),  
 ),  
 ),  
 );  
 }  
}

**settings.dart**

*import* 'package:flutter/material.dart';  
*import* 'package:xylophone\_app/main.dart';  
*import* 'package:string\_to\_hex/string\_to\_hex.dart';  
*class* settings *extends* StatelessWidget {  
  
 @override  
 Widget build(BuildContext context) {  
 *return* MaterialApp(  
 debugShowCheckedModeBanner: *false*,  
 home: Scaffold(  
 backgroundColor: Colors.*lightBlueAccent*,  
 appBar: AppBar(  
 title: Text("Settings"),  
 leading: Icon(  
 Icons.*app\_settings\_alt\_rounded*,  
 ),  
 backgroundColor: Colors.*lightGreen*,  
 ),  
  
 body:  
 setting(),  
  
  
 ),  
 );  
 }  
}  
  
*class* setting *extends* StatefulWidget {  
  
  
 @override  
 \_settingState createState() => \_settingState();  
}  
  
*class* \_settingState *extends* State<setting> {  
 List<String> \_Colors = ['sky', 'orange', 'yellow', 'green','teal','blue','purple'];  
 List<String> \_Colors1 = ['sky', 'orange', 'yellow', 'green','teal','blue','purple'];  
 List<String> \_Colors2 = ['sky', 'orange', 'yellow', 'green','teal','blue','purple'];  
 List<String> \_Colors3 = ['sky', 'orange', 'yellow', 'green','teal','blue','purple'];  
 List<String> \_Colors4 = ['sky', 'orange', 'yellow', 'green','teal','blue','purple'];  
 List<String> \_Colors5 = ['sky', 'orange', 'yellow', 'green','teal','blue','purple'];  
 List<String> \_Colors6 = ['sky', 'orange', 'yellow', 'green','teal','blue','purple'];  
 List<String> \_Colors7 = ['sky', 'orange', 'yellow', 'green','teal','blue','purple'];  
 List<String> \_Notes = ['1', '2', '3', '4','5','6','7'];  
 List<String> \_Notes1 = ['1', '2', '3', '4','5','6','7'];  
 List<String> \_Notes2 = ['1', '2', '3', '4','5','6','7'];  
 List<String> \_Notes3 = ['1', '2', '3', '4','5','6','7'];  
 List<String> \_Notes4 = ['1', '2', '3', '4','5','6','7'];  
 List<String> \_Notes5 = ['1', '2', '3', '4','5','6','7'];  
 List<String> \_Notes6 = ['1', '2', '3', '4','5','6','7'];  
 List<String> \_Notes7 = ['1', '2', '3', '4','5','6','7'];  
  
 String \_selectedLocation1='sky',\_selectedLocation2='1',\_selectedLocation3='orange',\_selectedLocation4='2',\_selectedLocation5='yellow',\_selectedLocation6='3'  
 ,\_selectedLocation7='green',\_selectedLocation8='4',\_selectedLocation9='teal',\_selectedLocation10='5',\_selectedLocation11='blue',\_selectedLocation12='6'  
 ,\_selectedLocation13='purple',\_selectedLocation14='7';  
  
 @override  
 Widget build(BuildContext context) {  
 *return* Container(  
 decoration: *const* BoxDecoration(  
 gradient: LinearGradient(  
 begin: Alignment.*topRight*,  
 end: Alignment.*bottomLeft*,  
 colors: [  
 Colors.*green*,  
 Colors.*amber*,  
 ],  
 )  
 ),  
 child: Column(  
 crossAxisAlignment: CrossAxisAlignment.center,  
 children: [  
 Row(  
  
 children: [  
 Expanded(child: Text('Colors'),),  
 Expanded(child: Text('Notes'),),  
 ],  
 ),  
 SizedBox(  
 height: 30,  
 ),  
 Row(  
 children: [  
 Expanded(child: DropdownButton(  
 hint: Text('Colors'), *// Not necessary for Option 1* value: \_selectedLocation1,  
 onChanged: (newValue) {  
 setState(() {  
 \_selectedLocation1 = newValue;  
 });  
 },  
 items: \_Colors1.map((location) {  
 *return* DropdownMenuItem(  
 child: *new* Text(location),  
 value: location,  
 );  
 }).toList(),  
 ),),  
 Expanded(child: DropdownButton(  
 hint: Text('Notes'), *// Not necessary for Option 1* value: \_selectedLocation2,  
 onChanged: (newValue) {  
 setState(() {  
 \_selectedLocation2 = newValue;  
 });  
 },  
 items: \_Notes1.map((location) {  
 *return* DropdownMenuItem(  
 child: *new* Text(location),  
 value: location,  
 );  
 }).toList(),  
 ),),  
 ],  
 ),  
 Row(  
 children: [  
 Expanded(child: DropdownButton(  
 hint: Text('Colors'), *// Not necessary for Option 1* value: \_selectedLocation3,  
 onChanged: (newValue) {  
 setState(() {  
 \_selectedLocation3 = newValue;  
 });  
 },  
 items: \_Colors2.map((location) {  
 *return* DropdownMenuItem(  
 child: *new* Text(location),  
 value: location,  
 );  
 }).toList(),  
 ),),  
 Expanded(child: DropdownButton(  
 hint: Text('Notes'), *// Not necessary for Option 1* value: \_selectedLocation4,  
 onChanged: (newValue) {  
 setState(() {  
 \_selectedLocation4 = newValue;  
 });  
 },  
 items: \_Notes2.map((location) {  
 *return* DropdownMenuItem(  
 child: *new* Text(location),  
 value: location,  
 );  
 }).toList(),  
 ),),  
 ],  
 ),  
 Row(  
 children: [  
 Expanded(child: DropdownButton(  
 hint: Text('Colors'), *// Not necessary for Option 1* value: \_selectedLocation5,  
 onChanged: (newValue) {  
 setState(() {  
 \_selectedLocation5 = newValue;  
 });  
 },  
 items: \_Colors3.map((location) {  
 *return* DropdownMenuItem(  
 child: *new* Text(location),  
 value: location,  
 );  
 }).toList(),  
 ),),  
 Expanded(child: DropdownButton(  
 hint: Text('Notes'), *// Not necessary for Option 1* value: \_selectedLocation6,  
 onChanged: (newValue) {  
 setState(() {  
 \_selectedLocation6 = newValue;  
 });  
 },  
 items: \_Notes3.map((location) {  
 *return* DropdownMenuItem(  
 child: *new* Text(location),  
 value: location,  
 );  
 }).toList(),  
 ),),  
 ],  
 ),  
 Row(  
 children: [  
 Expanded(child: DropdownButton(  
 hint: Text('Colors'), *// Not necessary for Option 1* value: \_selectedLocation7,  
 onChanged: (newValue) {  
 setState(() {  
 \_selectedLocation7 = newValue;  
 });  
 },  
 items: \_Colors4.map((location) {  
 *return* DropdownMenuItem(  
 child: *new* Text(location),  
 value: location,  
 );  
 }).toList(),  
 ),),  
 Expanded(child: DropdownButton(  
 hint: Text('Notes'), *// Not necessary for Option 1* value: \_selectedLocation8,  
 onChanged: (newValue) {  
 setState(() {  
 \_selectedLocation8 = newValue;  
 });  
 },  
 items: \_Notes4.map((location) {  
 *return* DropdownMenuItem(  
 child: *new* Text(location),  
 value: location,  
 );  
 }).toList(),  
 ),),  
 ],  
 ),  
 Row(  
 children: [  
 Expanded(child: DropdownButton(  
 hint: Text('Colors'), *// Not necessary for Option 1* value: \_selectedLocation9,  
 onChanged: (newValue) {  
 setState(() {  
 \_selectedLocation9 = newValue;  
 });  
 },  
 items: \_Colors5.map((location) {  
 *return* DropdownMenuItem(  
 child: *new* Text(location),  
 value: location,  
 );  
 }).toList(),  
 ),),  
 Expanded(child: DropdownButton(  
 hint: Text('Notes'), *// Not necessary for Option 1* value: \_selectedLocation10,  
 onChanged: (newValue) {  
 setState(() {  
 \_selectedLocation10 = newValue;  
 });  
 },  
 items: \_Notes5.map((location) {  
 *return* DropdownMenuItem(  
 child: *new* Text(location),  
 value: location,  
 );  
 }).toList(),  
 ),),  
 ],  
 ),  
 Row(  
 children: [  
 Expanded(child: DropdownButton(  
 hint: Text('Colors'), *// Not necessary for Option 1* value: \_selectedLocation11,  
 onChanged: (newValue) {  
 setState(() {  
 \_selectedLocation11 = newValue;  
 });  
 },  
 items: \_Colors6.map((location) {  
 *return* DropdownMenuItem(  
 child: *new* Text(location),  
 value: location,  
 );  
 }).toList(),  
 ),),  
 Expanded(child: DropdownButton(  
 hint: Text('Notes'), *// Not necessary for Option 1* value: \_selectedLocation12,  
 onChanged: (newValue) {  
 setState(() {  
 \_selectedLocation12 = newValue;  
 });  
 },  
 items: \_Notes6.map((location) {  
 *return* DropdownMenuItem(  
 child: *new* Text(location),  
 value: location,  
 );  
 }).toList(),  
 ),),  
 ],  
 ),  
 Row(  
 children: [  
 Expanded(child: DropdownButton(  
 hint: Text('Colors'), *// Not necessary for Option 1* value: \_selectedLocation13,  
 onChanged: (newValue) {  
 setState(() {  
 \_selectedLocation13 = newValue;  
 });  
 },  
 items: \_Colors7.map((location) {  
 *return* DropdownMenuItem(  
 child: *new* Text(location),  
 value: location,  
 );  
 }).toList(),  
 ),),  
 Expanded(child: DropdownButton(  
 hint: Text('Notes'), *// Not necessary for Option 1* value: \_selectedLocation14,  
 onChanged: (newValue) {  
 setState(() {  
 \_selectedLocation14 = newValue;  
 });  
 },  
 items: \_Notes7.map((location) {  
 *return* DropdownMenuItem(  
 child: *new* Text(location),  
 value: location,  
 );  
 }).toList(),  
 ),),  
 ],  
 ),  
  
Row(  
 mainAxisAlignment: MainAxisAlignment.center,  
 children: [  
  
 Container(  
 height: 100,  
 width: 100,  
 child: TextButton(  
  
 child: Image.asset("images/play2.png"),  
 onPressed: () {  
 Navigator.*push*(  
 context,  
  
 MaterialPageRoute(builder: (context) => XylophoneApp(selectedLocation1:StringToHex.*toColor*(\_selectedLocation1),selectedLocation3:StringToHex.*toColor*(\_selectedLocation3),selectedLocation5:StringToHex.*toColor*(\_selectedLocation5),selectedLocation7:StringToHex.*toColor*(\_selectedLocation7),selectedLocation9:StringToHex.*toColor*(\_selectedLocation9),selectedLocation11:StringToHex.*toColor*(\_selectedLocation11),selectedLocation13:StringToHex.*toColor*(\_selectedLocation13),selectedLocation2:int.*parse*(\_selectedLocation2),selectedLocation4:int.*parse*(\_selectedLocation4),selectedLocation6:int.*parse*(\_selectedLocation6),selectedLocation8:int.*parse*(\_selectedLocation8),selectedLocation10:int.*parse*(\_selectedLocation10),selectedLocation12:int.*parse*(\_selectedLocation12),selectedLocation14:int.*parse*(\_selectedLocation14))));  
 },  
 )  
 ),  
 ],  
),  
  
 ],  
 ),  
 );  
 }  
}

**Screenshots**





**AVD ScreenShots**

