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Xylophone

Main.dart

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

void main() {
  runApp(MaterialApp(
    home: Scaffold(
      appBar: AppBar(title: Text('XYLOPHONE162'), centerTitle: true,),
      body: Xylo(),
    ),
  ));
}

class Xylo extends StatefulWidget {
  const Xylo({Key? key}) : super(key: key);
  @override
  _XyloState createState() => _XyloState();
}

class _XyloState extends State<Xylo> {
  void playSound(int noteNumber) {
    final player = AudioCache();
    player.play("note$noteNumber.wav");
  }
  @override
  Widget build(BuildContext context) {
    return Column(
      crossAxisAlignment: CrossAxisAlignment.stretch,
      children: [
        Expanded(child: TextButton(
          style: TextButton.styleFrom(
            backgroundColor: Colors.white
          ),
          onPressed: () {
            playSound(1);
          },
          child: Text('First'),
        )), Expanded(child: TextButton(
          style: TextButton.styleFrom(
            backgroundColor: Colors.lightGreen
          ),
          onPressed: () {
            playSound(2);
          },
        )),
      ],
    );
  }
}
```

```

        child: Text('Second'),
      ),),
Expanded(child: TextButton(
  style: TextButton.styleFrom(
    backgroundColor: Colors.black54
  ),
  onPressed: () {
    playSound(3);
  },
  child: Text('Third'),
),),
Expanded(child: TextButton(
  style: TextButton.styleFrom(
    backgroundColor: Colors.teal
  ),
  onPressed: () {
    playSound(4);
  },
  child: Text('Fourth'),
),),
Expanded(child: TextButton(
  style: TextButton.styleFrom(
    backgroundColor: Colors.amber
  ),
  onPressed: () {
    playSound(5);
  },
  child: Text('Fifth'),
),),
Expanded(child: TextButton(
  style: TextButton.styleFrom(
    backgroundColor: Colors.cyan
  ),
  onPressed: () {
    playSound(6);
  },
  child: Text('Sixth'),
),),
Expanded(child: TextButton(
  style: TextButton.styleFrom(
    backgroundColor: Colors.lime
  ),onPressed: () {
    playSound(7);
  },
  child: Text('Seventh'),
),)
],
);
}

```

```
}
```

Widget_test.dart

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

import 'package:xylophone162/main.dart';

void main() {
  testWidgets('Counter increments smoke test', (WidgetTester tester) async {
    // Build our app and trigger a frame.
    await tester.pumpWidget(MaterialApp());

    // Verify that our counter starts at 0.
    expect(find.text('0'), findsOneWidget);
    expect(find.text('1'), findsNothing);

    // Tap the '+' icon and trigger a frame.
    await tester.tap(find.byIcon(Icons.add));
    await tester.pump();

    // Verify that our counter has incremented.
    expect(find.text('0'), findsNothing);
    expect(find.text('1'), findsOneWidget);
  });
}
```

Pubspec.yaml

```
cupertino_icons: ^1.0.2
audioplayers: ^0.19.1

# the material Icons class.
uses-material-design: true
assets:
  - assets/
```

OUTPUT:

