

Dharmsinh Desai University, Nadiad  
Faculty of Technology  
Department of Computer Engineering



## **ASSIGNMENT 9**

Subject: Smart Device Programming

**Submitted To:**

Prof. Jignesh Shah

CE Department

**Submitted By:**

Sherathiya Dhruvi A.

Student ID:20CEUOS006

Roll No.: CE126

Now we will create one class Quote inside quote.dart file. And move out quote template widget to another file. So this will be better approach.

```
List<Quote> quotes = [
  Quote(text: 'Talk is cheap, Show me the code', author: 'Author 1'),
  Quote(text: 'Real programmers count from 0', author: 'Author 2'),
  Quote(text: 'If the code works, Do not touch it', author: 'Author 3'),
];
```

```
body: Column(
  //children: quts.map((quote) => Text(quote)).t
  //children: quotes.map((quote) => quoteTemplat
  children: quotes.map((quote) => QuoteCard(
    quote: quote,
    delete: () {
      setState(() {
        quotes.remove(quote);
      });
    }
  )).toList(), // QuoteCard
), // Column
```

All the designing code inside QuoteCard widget. And this is inside file quote\_card.dart.

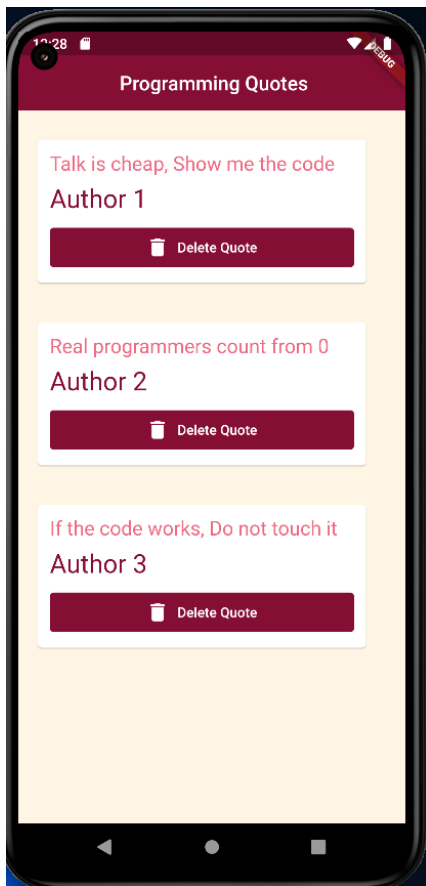
```
import 'package:flutter/material.dart';
import 'quote.dart';

class QuoteCard extends StatelessWidget {
  final Quote quote;
  final VoidCallback delete;

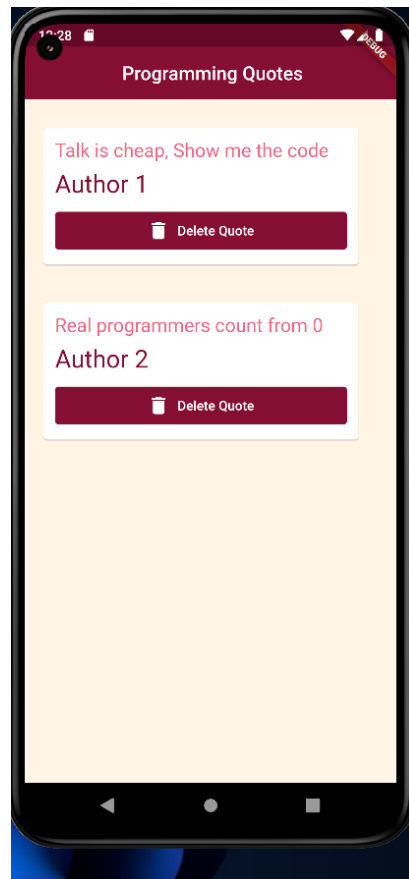
  QuoteCard({required this.quote, required this.delete});
  //const QuoteCard({Key? key}) : super(key: key);

  @override
  Widget build(BuildContext context) {
    return Card(
      margin: EdgeInsets.fromLTRB(20.0, 30.0, 40.0, 10.0),
      child: Padding(
        padding: const EdgeInsets.all(12.0),
        child: Column(
```

Here we can delete quotes by just press the button. Because onPress property of button is doing the task of removing quote. Anyway we can come back to our original state by just doing hot restart.

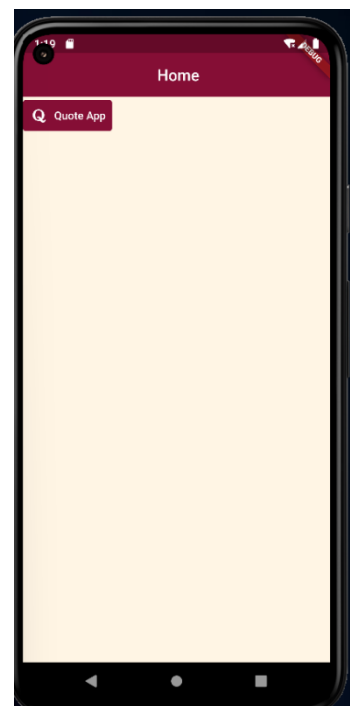


a



Now we will see routing in flutter. Using this we can switch from one page to another. Write below code in main.dart file and create one file named home.dart, it is necessary to import it in main.dart.

```
void main() {
  runApp(MaterialApp(
    initialRoute: '/',
    routes: {
      '/': (context) => HomePage(),
      '/quote': (context) => SixthClass(),
      '/home': (context) => HomePage(),
      '/': (context) => SecondClass(),
      '/': (context) => ThirdClass(),
    },
  )); // MaterialApp
}
```

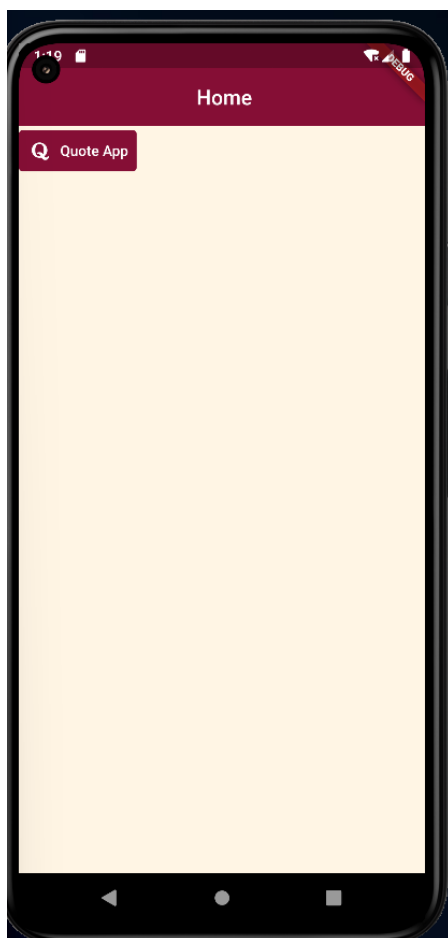


Set onPressed property of this button such that after clicking on that button we can move to our previous quote app.

```
body: Column(
  children: [
    TextButton.icon(
      onPressed: () {
        Navigator.pushNamed(context, '/quote');
      },
      icon: Icon(Icons.guava),
      label: Text('Quote App'),
      style: TextButton.styleFrom(
        primary: Colors.white,
        backgroundColor: Color(0xff850E35), // Background Color
      ),
    ), // TextButton.icon
  ],
), // Column
```

```
void main() {
  runApp(MaterialApp(
    initialRoute: '/',
    routes: {
      '/': (context) => HomePage(),
      '/quote': (context) => SixthClass(),
      //'/home': (context) => HomePage(),
      //'/': (context) => SecondClass(),
      //'/': (context) => ThirdClass(),
    },
  )); // MaterialApp
}
```

We can go back to home page by just pressing back arrow.



On click Quote App

