SDP

LAB-9

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Main.dart

```dart
import "package:flutter/material.dart";
import 'choose_location.dart';
import 'loading.dart';
import "quote.dart";
import 'quoteTemplate.dart';
import 'home.dart';

void main() {
  runApp(MaterialApp(
    // home: QuotesMain(),
    // home: Home(),

    initialRoute: "/home",

    routes: {
      "/": (context) => Loading(),
      "/home": (context) => Home(),
      "/location": (context) => ChooseLocation(),
    },
  ));/**/
}

class QuotesMain extends StatefulWidget {
  const QuotesMain({Key? key}) : super(key: key);

  @override
  State<QuotesMain> createState() => _QuotesMainState();
}

class _QuotesMainState extends State<QuotesMain> {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text("Quotes App"),
        centerTitle: true,
      ),
```

```dart
      body: QuotesList(),
    );
  }
}


class QuotesList extends StatefulWidget {
  const QuotesList({Key? key}) : super(key: key);

  @override
  State<QuotesList> createState() => _QuotesListState();
}

class _QuotesListState extends State<QuotesList> {

  List<Quote> quotes = [
    Quote(author: "Nisha Makwana", text: "Eat. Sleep. Code. Repeat."),
    Quote(author: "Nisha Makwana", text: "Justice shall be served, thy the
heavens should fall."),
    Quote(author: "Nisha Makwana", text: "It is when you lose everything
that you are free to do anything."),
  ];

  @override
  Widget build(BuildContext context) {
    return Container(
      color: Colors.black87,
      padding: EdgeInsets.all(16.0),
      child: Row(
        children: [
          Expanded(
            child: Column(
              children: quotes.map((quote) => quoteTemplate(
                  quote: quote,
                  delete: () {
                    setState(() {
                      quotes.remove(quote);
                    });
                  }
              )).toList(),
            ),
          ),
        ],
      ),
    );
  }
}
```

choose_location.dart

```dart
import "package:flutter/material.dart";

class ChooseLocation extends StatefulWidget {
  const ChooseLocation({Key? key}) : super(key: key);

  @override
  State<ChooseLocation> createState() => _ChooseLocationState();
}

class _ChooseLocationState extends State<ChooseLocation> {
```

```dart
    @override
    Widget build(BuildContext context) {
      return Scaffold(
        appBar: AppBar(
          title: Text("CHOOSE LOCATION"),
          centerTitle: true,
          backgroundColor: Colors.redAccent,
        ),
        body: SafeArea(child: Text("CHOOSE LOCATION SCREEN")),
      );
    }
}
```

home.dart

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

class Home extends StatefulWidget {
  const Home({Key? key}) : super(key: key);

  @override
  State<Home> createState() => _HomeState();
}

class _HomeState extends State<Home> {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      body: SafeArea(
        child: Container(
          padding: EdgeInsets.all(8.0),
          child: TextButton.icon(
            onPressed: () {
              Navigator.pushNamed(context, "/location");
            },
            icon: Icon(Icons.edit_location,
              color: Colors.redAccent,
            ),
            label: Text("Edit Location",
              style: TextStyle(
                fontSize: 18.0,
                color: Colors.redAccent,
              ),
            ),
          ),
        ),
      ),
    );
  }
}
```

loading.dart

```dart
import "package:flutter/material.dart";
```

```dart
class Loading extends StatefulWidget {
  const Loading({Key? key}) : super(key: key);

  @override
  State<Loading> createState() => _LoadingState();
}

class _LoadingState extends State<Loading> {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      body: Text("LOADING..."),
    );
  }
}
```

quote.dart

```dart
class Quote {
  Quote({this.text = '', this.author = ''});
  String text;
  String author;
}
```

quote_template.dart

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

class quoteTemplate extends StatelessWidget {
  quoteTemplate({required this.quote, required this.delete});

  final Quote quote;

  final VoidCallback delete;

  @override
  Widget build(BuildContext context) {
    return Card(
      borderOnForeground: true,
      elevation: 0,
      child: Padding(
        padding: const EdgeInsets.fromLTRB(16.0, 20.0, 16.0, 20.0),
        child: Column(
          crossAxisAlignment: CrossAxisAlignment.stretch,
          children: [
            Text(quote.text,
              style: const TextStyle(
                fontSize: 20.0,
              ),
            ),
            SizedBox(height: 8.0),
            Text(" - " + quote.author,
              textAlign: TextAlign.end,
              style: const TextStyle(
```
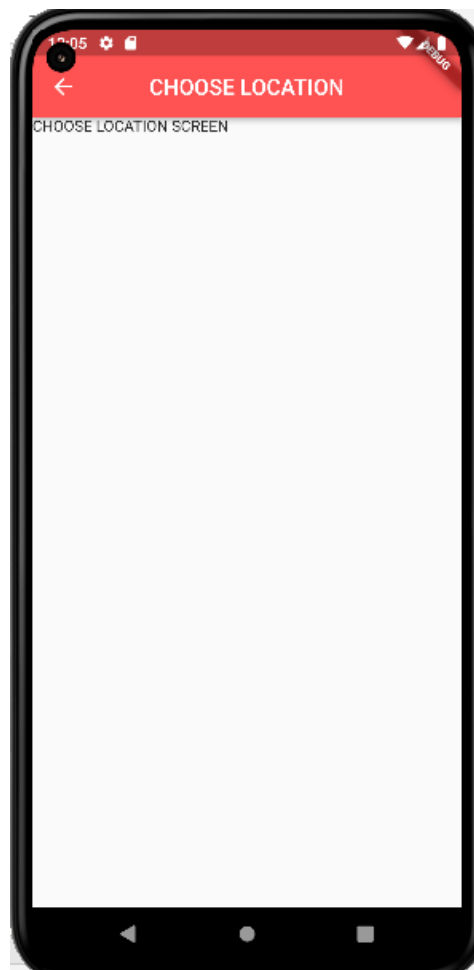
```
              fontSize: 18.0,
              color: Colors.grey,
            ),
          ),
          SizedBox(height: 16.0),
          ElevatedButton(
            onPressed: delete,
            style: ElevatedButton.styleFrom(
              primary: Colors.green,
              onPrimary: Colors.white70,
            ),
            child: Text("Delete Quote"),
          )
        ]
      ),
    ),
  );
 }
}
```


Code Link: