Dharmsinh Desai University, Nadiad

Faculty of Technology

Department of Computer Engineering

Lab-7

Smart Device Programming

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Git Repo: https://github.com/vasu-1/SDP_Labs/tree/main/lab7

There are 2 types of widgets:

     - Stateless: Widgets whose state cannot be changed

     - Stateful: Widgets whose state can be changed

To add stateless widget, type stless and press the Tab key.

To add stateful widget, type stful and press the Tab key.

Code 1: Adding Image

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

void main() {
  runApp(MaterialApp(
    debugShowCheckedModeBanner: false,
    home: HomeScreen(),
  ));
}
class HomeScreen extends StatelessWidget {
  const HomeScreen({Key? key}) : super(key: key);
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text("Lab 7"),
        centerTitle: true,
        backgroundColor: Colors.red,
      ),
      body: const Center(
        child: Image(
          image: AssetImage("images/snap.jpg"),
        )
      ),
      floatingActionButton: FloatingActionButton(
        onPressed: () {},
        backgroundColor: Colors.redAccent,
        child: Text("Click"),
      ),
    );
  }
}
```
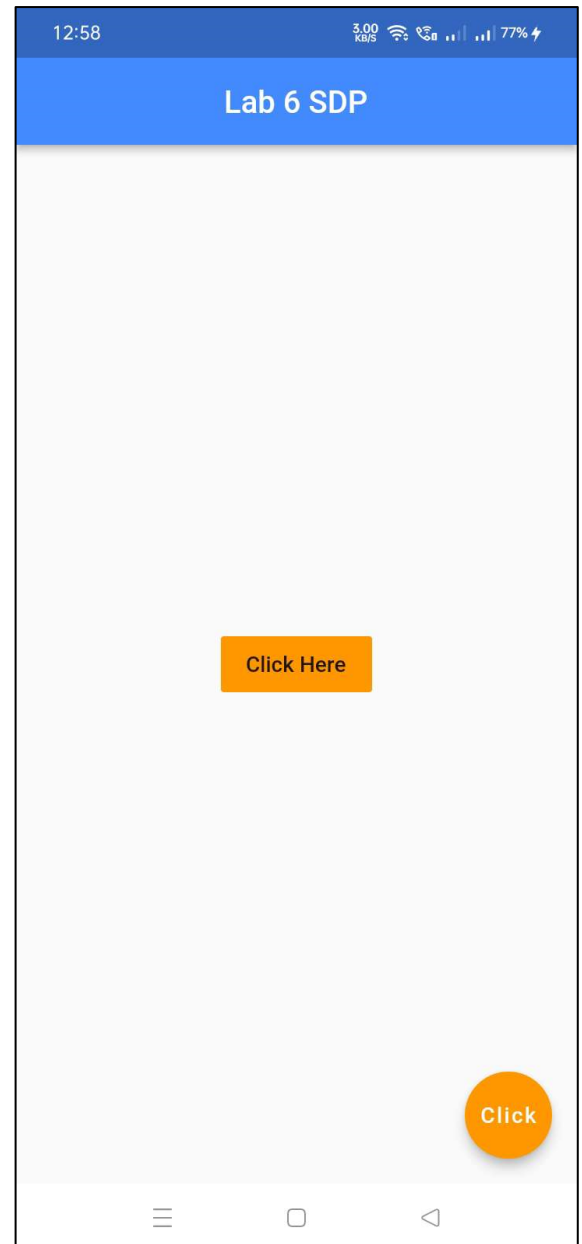
Code 2: Adding a Flat Button

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

void main() {
  runApp(MaterialApp(
    debugShowCheckedModeBanner: false,
    home: HomeScreen(),
  ));
}

class HomeScreen extends StatelessWidget {
  const HomeScreen({Key? key}) : super(key:
key);

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text("Lab 7 SDP"),
        centerTitle: true,
        backgroundColor: Colors.blueAccent,
      ),
      body: Center(
          child: FlatButton(
            onPressed: () {},
            child: Text("Click Here"),
            color: Colors.orange,
          ),
        ),
        floatingActionButton:
FloatingActionButton(
          onPressed: () {},
          backgroundColor: Colors.orange,
          child: Text("Click"),
        ),
    );
  }
}
```

Code 3: Adding an Elevated Button

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

void main() {
  runApp(MaterialApp(
    debugShowCheckedModeBanner: false,
    home: HomeScreen(),
  ));
}

class HomeScreen extends StatelessWidget {
  const HomeScreen({Key? key}) : super(key:
key);

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text("Lab 7"),
        centerTitle: true,
        backgroundColor: Colors.blueAccent,
      ),
      body: Center(
          child: ElevatedButton(
            child: Text('Vashishth Patel'),
            onPressed: () {},
            style: ElevatedButton.styleFrom(
              primary: Colors.red[500],
              padding: EdgeInsets.symmetric
              (horizontal: 50, vertical: 20),
              textStyle: TextStyle(
                fontFamily: "Monaco",
                fontSize: 24.0,
                fontWeight: FontWeight.bold
              )
            ),
          ),
        ),
      );
    }
  }
```
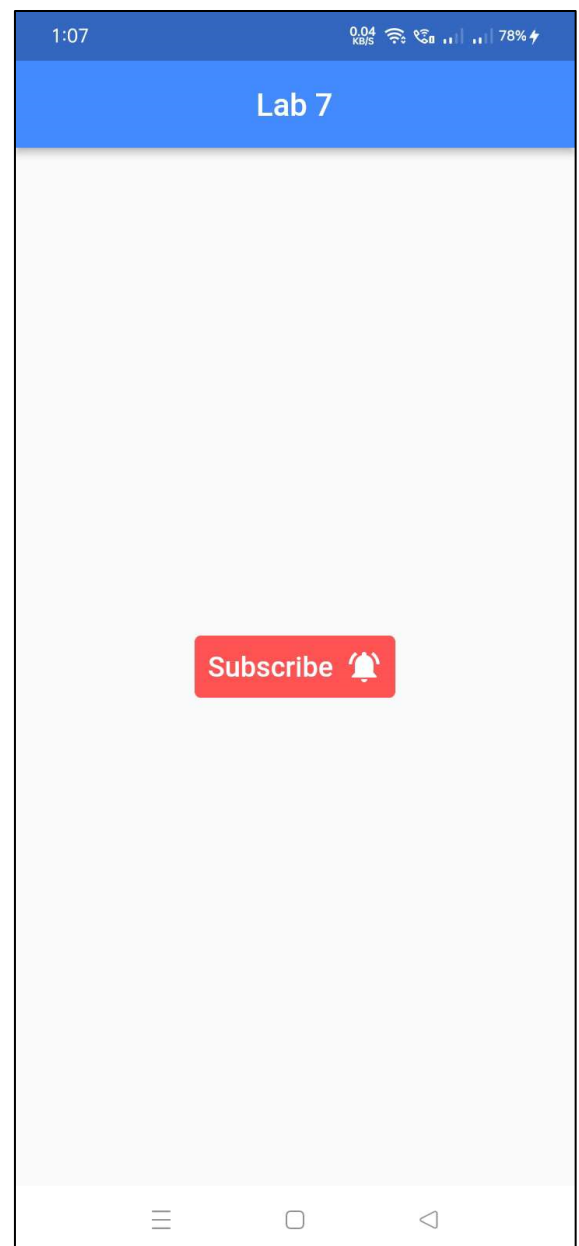
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Code 4: Adding Text Button with an Icon

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

void main() {
  runApp(MaterialApp(
    debugShowCheckedModeBanner: false,
    home: HomeScreen(),
  ));
}

class HomeScreen extends StatelessWidget {
  const HomeScreen({Key? key}) : super(key: key);

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text("Lab 7"),
        centerTitle: true,
        backgroundColor: Colors.blueAccent,
      ),
      body: Center(
          child: Directionality(
            textDirection:
TextDirection.rtl,
            child: TextButton.icon(
              onPressed: () {},
              style: ButtonStyle(
                backgroundColor:
MaterialStateProperty.all(Colors.redAccent),
              ),
              icon: Icon(
                Icons.notifications_active,
                color: Colors.white,
                size: 24.0,
              ),
              label: Text(
                "Subscribe",
                style: TextStyle(
                  fontSize: 18.0,
                  color: Colors.white,
                ),
              ),
            ),
          ),
        ),
    );
  }
}
```

THANK YOU