

Flutter

- [Flutter - build apk](#)
- [Flutter - commands](#)
- [Flutter - Buttons, Containers, TextFields](#)
- [Flutter - sizes](#)
- [Dart - Singleton](#)

Flutter - build apk

<https://flutter.dev/docs/deployment/android>

```
flutter build apk
```

```
flutter build apk --split-per-abi
```

```
flutter build appbundle
```

```
# cd android
```

```
./gradlew clean
```

```
./gradlew build
```

Flutter - commands

```
flutter pub get
```

```
flutter run
```

Flutter - Buttons, Containers, TextFields

[button.png](#) and or type unknown

```
// Container with BorderRadius circular and border, and antoher container inside
```

```
Container(  
  width: 60,  
  height: 60,  
  decoration: BoxDecoration(  
    borderRadius: BorderRadius.circular(30.0),  
    border: Border.all(color: Colors.blueAccent, width: 4),  
    color: kLightGrey,  
  ),  
  child: Center(  
    child: Container(  
      width: 20,  
      height: 20,  
      decoration: BoxDecoration(  
        borderRadius: BorderRadius.circular(30.0),  
        color: kGrey,  
      ),  
    ),  
  ),  
)  
/*  
Individuals border radius  
  
borderRadius: new BorderRadius.only(  
  topLeft: const Radius.circular(40.0),  
  topRight: const Radius.circular(40.0),  
)*/
```

[textinput0.png](#) image not found or type unknown

[textinput.png](#) image not found or type unknown

```
TextField(  
  controller: controller,  
  obscureText: obscureText,  
  onChanged: onChanged,  
  cursorColor: kWhite,  
  style: TextStyle(color: kWhite, fontSize: 16),  
  decoration: InputDecoration(  
    enabledBorder: OutlineInputBorder(  
      borderRadius: BorderRadius.all(Radius.circular(20.0)),  
      borderSide: BorderSide(color: kGrey),  
    ),  
    focusedBorder: OutlineInputBorder(  
      borderRadius: BorderRadius.all(Radius.circular(20.0)),  
      borderSide: BorderSide(color: kGrey),  
    ),  
    labelStyle: TextStyle(  
      color: kWhite,  
    ),  
    labelText: label,  
  ),  
);
```

[raw_button.png](#) image not found or type unknown

```
// Button with border and borderRadius  
  
RawMaterialButton(  
  shape: RoundedRectangleBorder(  
    borderRadius: BorderRadius.circular(15.0),  
    side: BorderSide(color: kWhite, width: 1),  
  )  
)
```

[button.png](#) image not found or type unknown

```
// Botton with gradient background

BoxDecoration boxDecoration = BoxDecoration(
  borderRadius: BorderRadius.circular(15.0),
  gradient: LinearGradient(
    begin: Alignment.bottomLeft,
    end: Alignment.topRight,
    colors: <Color>[
      Color(0xFFC956EF),
      Color(0xFFFF175B8),
      Color(0xFFFFF8077),
    ],
  ),
);

Container(
  decoration: boxDecoration,
  child: RawMaterialButton(
    shape: RoundedRectangleBorder(
      borderRadius: BorderRadius.circular(15.0),
    ),
  ),
);
```

[2021-01-25-12_44_06-Window.png](#)

```
import 'package:polygon_clipper/polygon_clipper.dart';

ClipPolygon(
  sides: 6,
  borderRadius: 10.0, // Default 0.0 degrees
  // rotate: 90.0, // Default 0.0 degrees
  child: Container(
    decoration: BoxDecoration(
      gradient: RadialGradient(
        center: Alignment.centerLeft,
        radius: 0.6,
        colors: [
          Color(0xFFFF56CE0),
          Color(0xFF8F81FE),
        ],
      ),
    ),
  ),
);
```

```
        // Color(0xFF6FE4EC),
    ],
    stops: [
      0.5,
      // 0.2,
      1,
    ],
  ),
),
child: RawMaterialButton(
  onPressed: () {
    Navigator.push(
      context,
      MaterialPageRoute(
        pageBuilder: (_, __, ___) => HomeScreen(),
        transitionDuration: Duration(seconds: 0),
      ),
    );
  },
  constraints: BoxConstraints(
    minWidth: 70,
    minHeight: 55,
  ),
  child: Padding(
    padding: EdgeInsets.only(bottom: 4),
    child: Icon(
      Feather.home,
      color: kWhite,
      size: 24,
    ),
  ),
),
),
),
)
```

Flutter - sizes

```
MediaQuery.of(context).size.height
```

```
MediaQuery.of(context).size.width
```

Dart - Singleton

```
class SPSettings {  
  
    // ----- Singleton -----  
    static SPSettings _instance;  
  
    SPSettings._internal();  
  
    factory SPSettings() {  
        if(_instance == null){  
            _instance = SPSettings._internal();  
        }  
  
        return _instance;  
    }  
    //-----  
}
```