

Flutter

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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
```

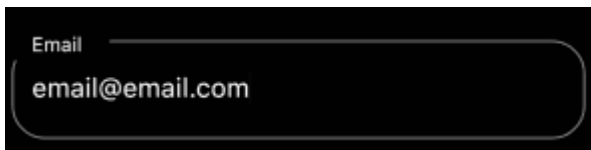
```
flutter run
```

Flutter - Buttons, Containers, TextFields



```
// Container with BorderRadius.circular and border, and another 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),  
)*/
```



```
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,  
  ),  
);
```



```
// Button with border and borderRadius
```

```
RawMaterialButton(  
  shape: RoundedRectangleBorder(  
    borderRadius: BorderRadius.circular(15.0),  
    side: BorderSide(color: kWhite, width: 1),
```

```
)  
)
```



Login

```
// 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(0xFFF175B8),  
      Color(0xFFFF8077),  
    ],  
  ),  
);
```

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



```
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;  
    }  
    //-----  
}
```