

For Android development with Editor

| | |
|-----------------------|---|
| Flutter SDK | https://docs.flutter.dev/get-started/install |
| Editor | https://docs.flutter.dev/get-started/editor |
| Easy VSCode IDE setup | https://docs.flutter.dev/get-started/install/linux-android#install-the-flutter-sdk |

Create simple app

```
flutter create hello_world
```

Widget Layouts

Available layouts

<https://docs.flutter.dev/ui/widgets/layout>

```
SingleChildWidget(
  ...AdditionalWidgetProperties,
  child: ChildWidget(...)
)
```

```
MultiChildWidget(
  ...AdditionalWidgetProperties,
  children: <Widget>[
    ChildWidgetOne(...),
    ChildWidgetTwo(...),
  ]
)
```

Navigation

| | |
|----------------------|-------------------------------|
| Navigate to route | <code>Navigator.push()</code> |
| Return to prev route | <code>Navigator.pop()</code> |

Sidebar

Docs:

<https://docs.flutter.dev/cookbook/design/drawer>

```
Scaffold(
  appBar: AppBar(
    title: const Text('AppBar with hamburger button'),
  ),
  drawer: Drawer(
    child: // Populate the Drawer in the next step.
  ),
);
```

Button

Docs:

<https://docs.flutter.dev/ui/widgets/material#actions>

```
ElevatedButton(onPressed: onPressed, child: const Text('Elevated'))
```

Install and manage through git

```
// Clone official Flutter git repository
git clone https://github.com/flutter/flutter.git

// Checkout the desired Flutter version branch
cd flutter
git checkout 3.27.3

// Ensure the version is being installed
flutter --version

// TODO: add Flutter to PATH
```

Stateless widget

```
class GreenFrog extends StatelessWidget {
  const GreenFrog({ super.key });
  @override
  Widget build(BuildContext context) {
    return Container(color: const Color(0xFF2DBD3A));
  }
}
```



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Not published yet.

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Stateful widget

```
class YellowBird extends StatefulWidget {  
  const YellowBird({ super.key });  
  @override  
  State<YellowBird> createState() => _YellowBirdState();  
}  
class _YellowBirdState extends State<YellowBird> {  
  @override  
  Widget build(BuildContext context) {  
    return Container(color: const Color(0xFFFFE306));  
  }  
}
```

TextField

Docs

<https://docs.flutter.dev/cookbook/forms/text-input>

```
TextField(  
  decoration: InputDecoration(  
    border: OutlineInputBorder(),  
    hintText: 'Enter a search term',  
  ),  
),
```



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