

Get Started

Install Flutter	https://flutter.dev/docs/get-started/install
Install Android Studio	https://flutter.dev/docs/get-started/editor?tab=androidstudio
Install Flutter plugin in Android Studio	File -> Settings -> Plugins -> Flutter
Iphone as Mobile Device	Buy Developer Account or use Emulator
Other Mobile Device	Connect using by USB and enable Developer Mode
Emulator	AVD Manager -> Create Virtual Device
Hot Reload	STRG+S -> App is updated automatically

Subclass State

```
class _FavoriteWidgetState extends
State<FavoriteWidget> {
  // ...
  @override
  Widget build( BuildContext context) {
    return Row(
      mainAxisAlignment: MainAxisAlignment.min,
      children: [
        Container(
          padding: EdgeInsets.all(0),
          child: IconButton(
            icon: (_isFavorited ?
Icon(Icons.star) : Icon(Icons.star_border)),
            color: Colors.red[500],
            onPressed: _toggleFavorite,
          ),
        ),
        SizedBox(
          width: 18,
          child: Container(
            child: Text('$_favoriteCount'),
          ),
        ),
      ],
    );
  }
}
```

Parent widget

```
class ParentWidget extends StatefulWidget {
  @override
  _ParentWidgetState createState() =>
_ParentWidgetState();
}
class _ParentWidgetState extends State<ParentWidget> {
  bool _active = false;
  void _handleTapChanged(bool newValue) {
    setState(() {
      _active = newValue;
    });
  }
  @override
  Widget build( BuildContext context) {
    return Container(
      child: TapboxC(
        active: _active,
        onChanged: _handleTapChanged,
      ),
    );
  }
}
```

Displaying a full-screen route

```
Navigator.push(context, MaterialPageRoute<void>(
  builder: (BuildContext context) {
    return Scaffold(
      appBar: AppBar(title: Text('My
Page')),
      body: Center(
        child: FlatButton(
          child: Text('POP'),
          onPressed: () {
            Navigator.pop(context);
          },
        ),
      ),
    );
  },
));
Navigator.pop(context);
```

Custom Route

```
Navigator.push(context, MaterialPageRoute(  
  opaque: false,  
  pageBuilder: (BuildContext context, __, ___) {  
    return Center(child: Text('My PageRoute'));  
  }  
),
```

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