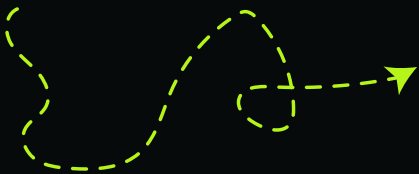


How to use



BLOC PATTERN

in **FLUTTER**




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SWIPE

Add the Bloc packages (bloc) & (flutter_bloc) to your project's pubspec.yaml file.

```
# Use with the CupertinoIcons class for iOS st  
cupertino_icons: ^1.0.2  
flutter_bloc: ^8.1.2  
bloc: ^8.1.1
```




Define the increment and Decrement events that extends the counter event class to update the value.

```
1  
2  
3 abstract class CounterEvent {}  
4  
5 class IncrementEvent extends CounterEvent {}  
6  
7 class DecrementEvent extends CounterEvent {}  
8  
9
```


Now, you need to create a bloc counter class to handle the state and events to change its state (increment or decrement the counter value).

```
class CounterBloc extends Bloc<CounterEvent, int> {  
  CounterBloc() : super(0) {  
    on<IncrementEvent>((event, emit) {  
      emit(state + 1);  
    });  
  
    on<DecrementEvent>((event, emit) {  
      emit(state - 1);  
    });  
  }  
}
```

To update the bloc's state, you need to send events to it. In this counter example, we want to increment/decrement the counter when the user presses the "+", "-" button, so we call

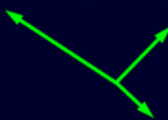


**context.read<CounterBloc>
().add(IncrementEvent())**



**context.read<CounterBloc>
().add(DecrementEvent())**

```
children: [
  FloatingActionButton(
    onPressed: () => context.read<CounterBloc>().add(IncrementEvent()),
    tooltip: 'Increment',
    child: Icon(Icons.add),
  ), // FloatingActionButton
  SizedBox(height: 16.0),
  FloatingActionButton(
    onPressed: () => context.read<CounterBloc>().add(DecrementEvent()),
    tooltip: 'Decrement',
    child: Icon(Icons.remove),
  ), // FloatingActionButton
],
```



Wrap your material widget tree with `BlocProvider` and pass it to the `bloc` instance you want to provide.

```
class MyApp extends StatelessWidget {  
  const MyApp({super.key});  
  
  @override  
  Widget build(BuildContext context) {  
    return BlocProvider(  
      create: (_) => CounterBloc(),  
      child: MaterialApp(  
        debugShowCheckedModeBanner: false,  
        title: 'Flutter Bloc Example',  
        home: CounterPage(),  
      ), // MaterialApp  
    ); // BlocProvider  
  }  
}
```





I hope this example helps you understand how to use the **BLoC pattern** in Flutter.

Keep in mind that this is just one way to use BLoC, and there are many other approaches and variations that you can use depending on your app's needs.



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