



TECH TALKS

BLoC

Manage blocks of your app with BLoC

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Experts

Dart & Flutter

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What is **state**?



Role of state!

WHAT IS THE ROLE OF THE STATE AND HOW IS IT USEFUL?



Information about Widget

State is the information that can be read synchronously when the widget is built. It holds the properties of the widget.



Can rebuild UI whenever we need

State is responsible for rebuilding your UI. That's the reason we call `setState()` when we want to rebuild our UI.



Gives control over lifecycle

State can change during the lifetime of the widget. If we don't utilize it properly, it can have adverse effects on your app.

What is **State** Management?

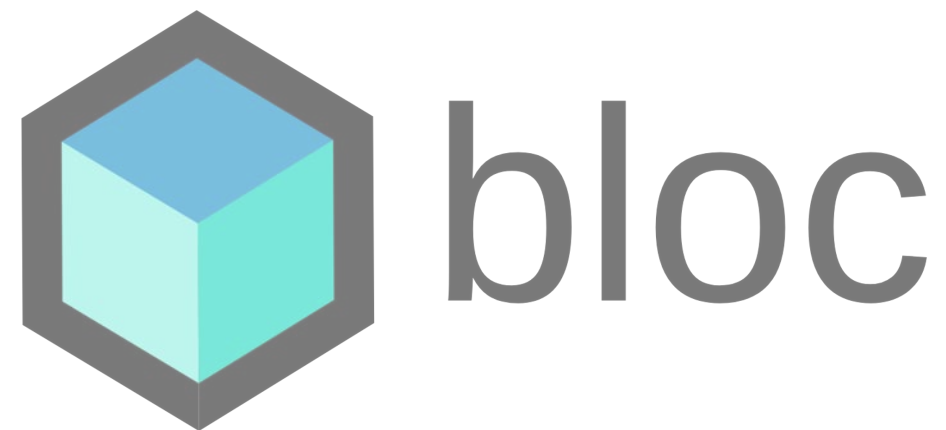


Why State Management?

WHY IS IT NEEDED?

If data changes or new data is being added then and only then the request to the server will be sent. State-Management helps to centralize and made the maintenance of code very easy, also improves the quality of code, by reducing the code size and making it more readable as well.

What is BLoC?



BLoC stands for Business Logic Components.

Bloc basically uses the concept of Inherited Widget.

We can implement Bloc using Stream and Sink but, we already have a package `flutter_bloc` which is a wrapper of Stream and Sink.

Some terminologies related to BloC

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EVENT

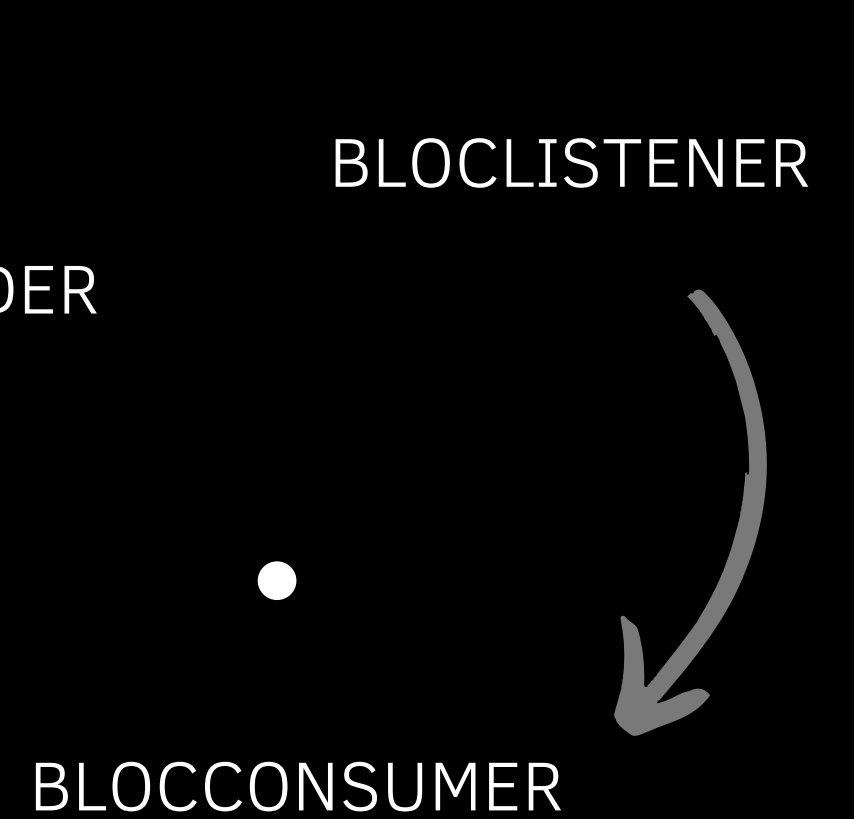
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STATE

•
BLOCPROVIDER

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BLOCBUILDER

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BLOCLISTENER

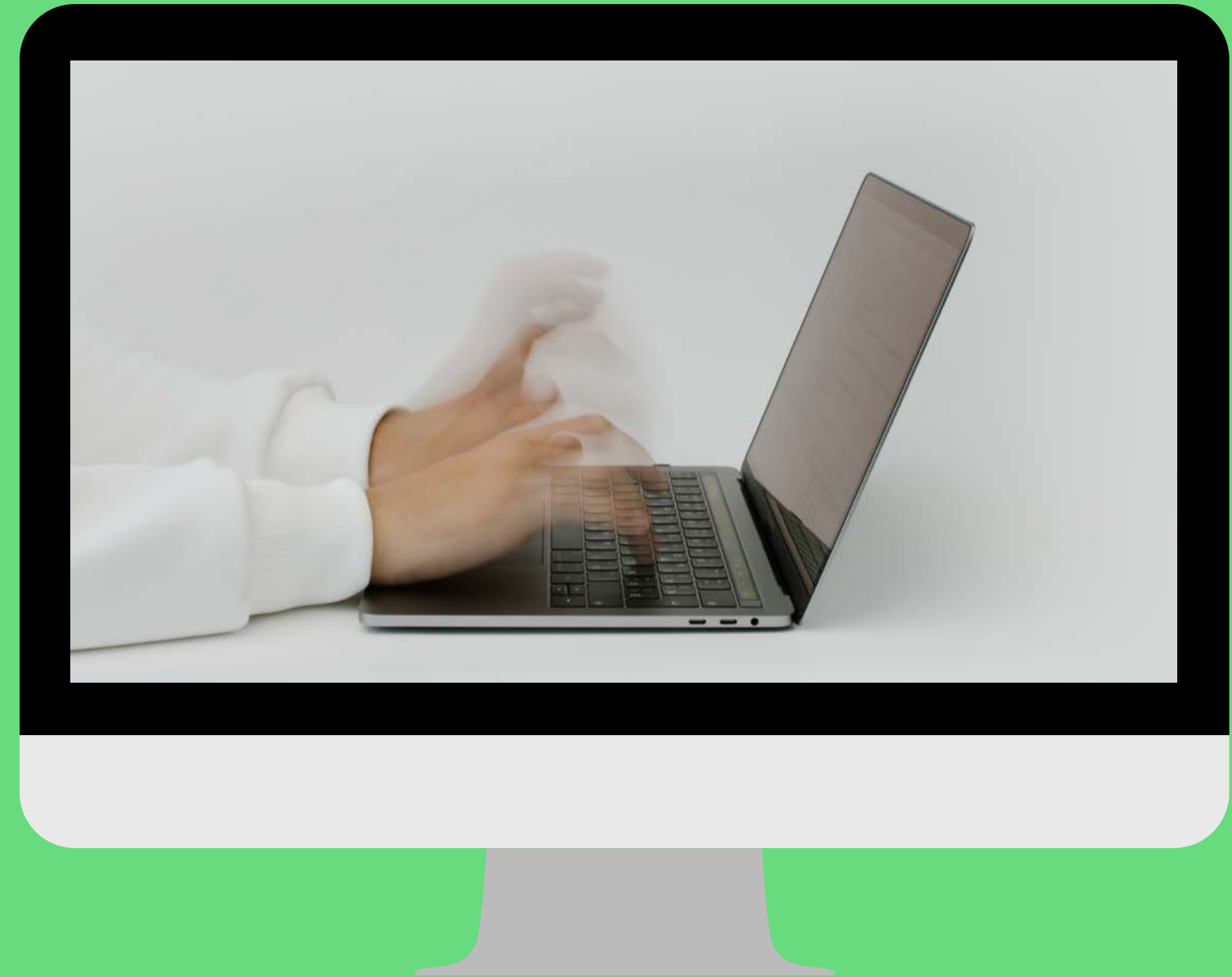
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BLOCCONSUMER



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graph TD; BLOCBUILDER --> BLOCCONSUMER; BLOCLISTENER --> BLOCCONSUMER; BLOCPROVIDER; STATE; EVENT;
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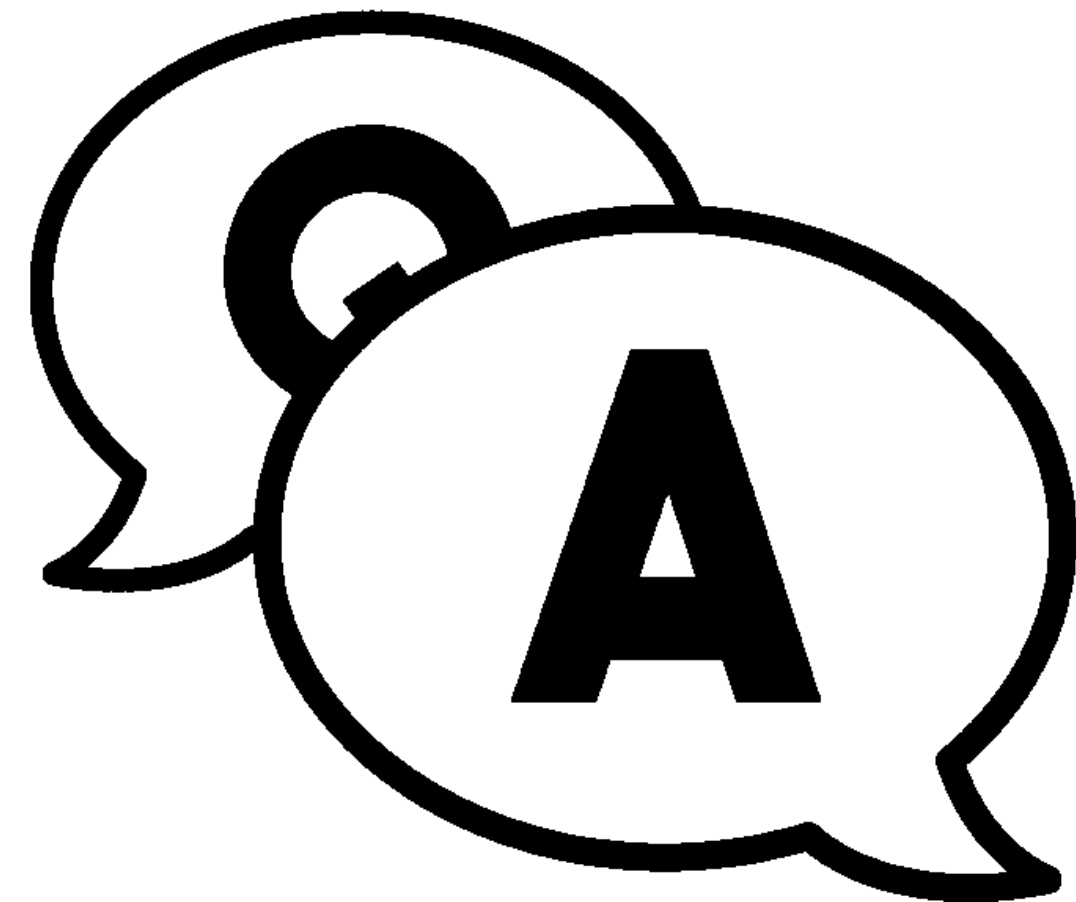
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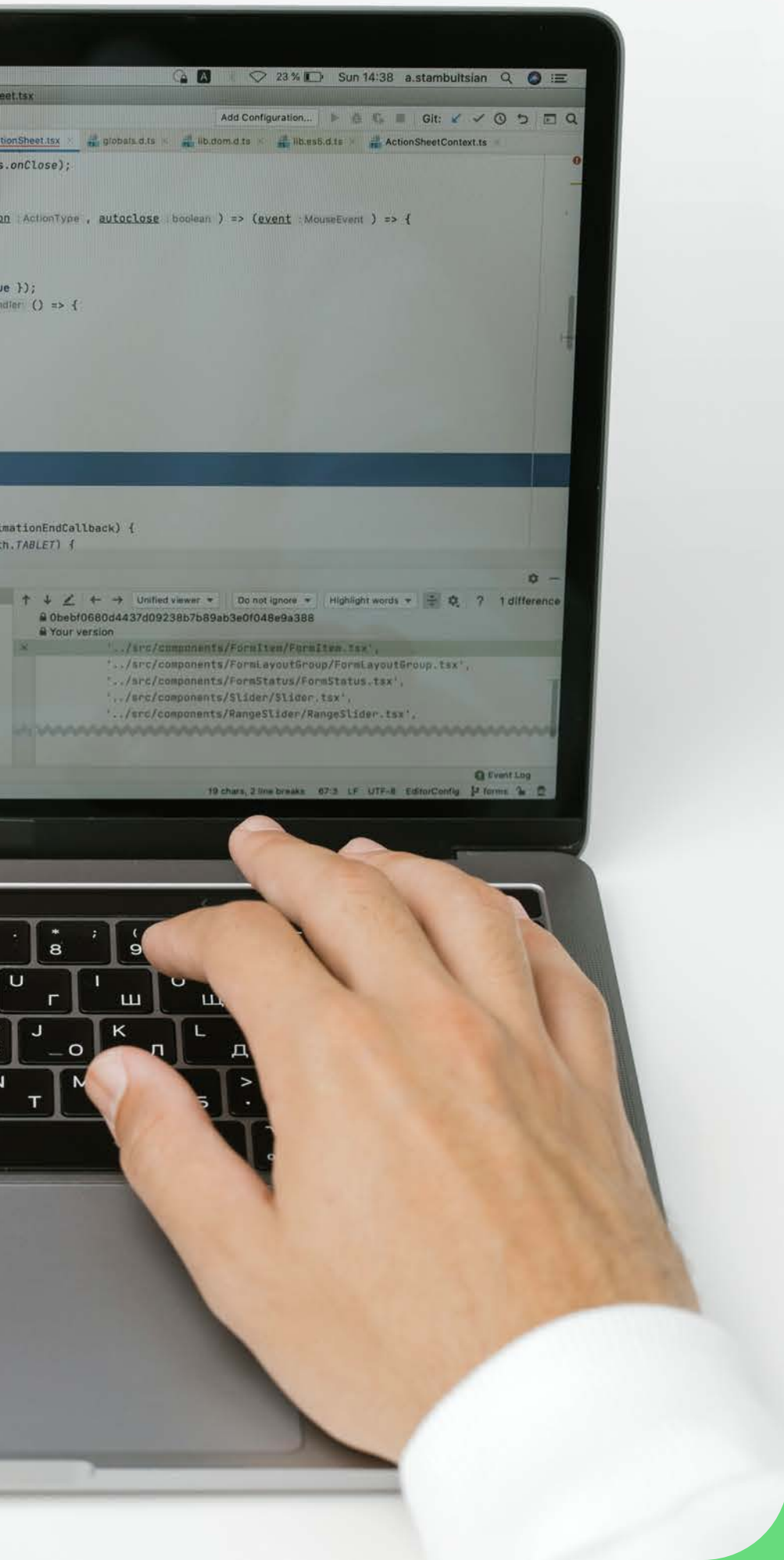
Let's check the
work.



Do you have
any **questions?**

Feel free to ask!
I hope you learned something new.





Connect with me!



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