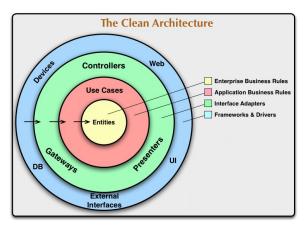
1 Clean architecture

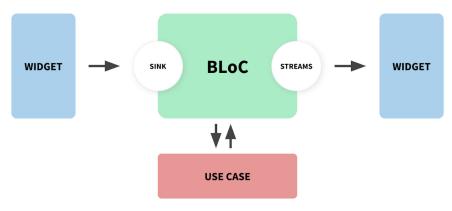
Dependencies can only point inwards.

e.g. the inner circle cannot know anything about an outer circle



2 Communication in BLoC pattern

- Widgets sends events to the BLoC via sinks.
- BLoC executes business logic, invoking the use-case;
- Widgets are notified by the BLoC via streams.





3 Useful classes

Stream a class representing an asynchronous source of data events.

StreamController a class that is used to manage a stream. It can be used to create a simple stream others can listen to, and to push events on that stream.

StreamTransformer a class that can be used to transform data that is sent on a stream.

StreamBuilder a Flutter widget that builds itself based on the latest snapshot of interaction with a Stream.

A typical BLoC class should have the following properties:

- An input sink: the sink property can be used by widgets to notify the BLoC of new events;
- An output stream: the output stream property can be used by widgets to listen for state changes and create the layout accordingly.

4 Guidelines

BLoC

- Inputs and outputs should be simple (Sinks and Streams only);
- 2. Dependencies must be injected and must be platform agnostic;
- Platform branching is forbidden.

UI

- 1. Each UI component has a corresponding BLoC;
- 2. UI components send input "as is";
- 3. UI components should show output as close as possible to "as is";
- 4. All branching should be based on one simple BLoC boolean output.

