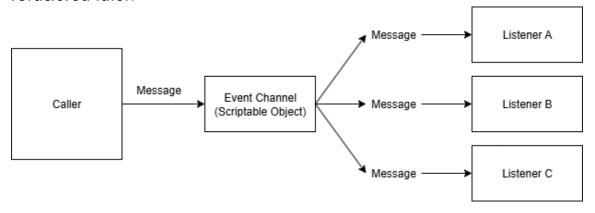
EVENT CHANNEL SYSTEM

I. WHAT DOES IT DO?

- Event Channel System is for decoupling code and creating code that is more encapsulated.
- Event Channel System is using Scriptable Object as a middleman to connect events.
- By doing so, objects don't necessarily know each other and can be easily refactored later.



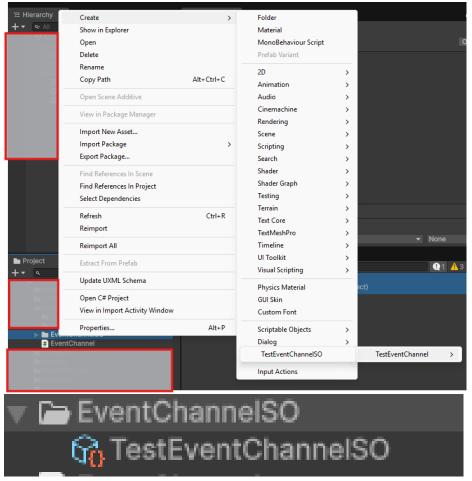
II. HOW TO USE IT?

- First, create a custom event channel scriptable object with a custom event context. In this example, a custom event channel will be named:

TestEventChannelSO, and custom event context will be named: TestContext

O The **TestContext** in this case will act as a message.

- The TestEventChannelSO will act as a middleman event channel
- Note that to make it works, TestContext MUST INHERIT from EventContext and TestEventChannelSO MUST INHERIT from BaseEventChannelSO
- Now created a new EventChannelSO:



 Next, create an event listener to listen to the event channel. In this example, let's name it TestEventChannelListener

- The TestEventChannelListener will be inherited from BaseEventChannelListener<TestEventChannelSO, TestContext>
- In this case, for the listener to work, we need to specify what event channel to listen to and what type of event context
- To call the event, simply refer the event channel and call it:

[SerializeField] private TestEventChannelSO testChannel;

testChannel?.RaiseEvent(new TestContext(msg: \$"Hello from the {gameObject.name}"));

- To call the channel, use the RaiseEvent method.
- Now add the event channel listener to any objects that you want to listen to the event.



- And voila, your first custom event channel is now complete! Let's test this out:



It's working really well! And as you can see, these objects don't even need to know each other, but they can still listen to each other really well!