EventData

```
gradio.EventData(target, ...)
```

Description

When a subclass of EventData is added as a type hint to an argument of an event listener method, this object will be passed as that argument. It contains information about the event that triggered the listener, such the target object, and other data related to the specific event that are attributes of the subclass.

Example Usage

```
table = gr.Dataframe([[1, 2, 3], [4, 5, 6]])
gallery = gr.Gallery([("cat.jpg", "Cat"), ("dog.jpg", "Dog")])
textbox = gr.Textbox("Hello World!")

statement = gr.Textbox()

def on_select(evt: gr.SelectData):  # SelectData is a subclass of EventData
    return f"You selected {evt.value} at {evt.index} from {evt.target}"

table.select(on_select, None, statement)
gallery.select(on_select, None, statement)
textbox.select(on_select, None, statement)
```

Initialization

Parameter	Description

ımeter	Description
`target` *Block | None* ***required***	The target object that triggered the event. Can be used to distinguish if multiple components are bound to the same listener.

Demos

gallery_selections | tictactoe

```
import gradio as gr
import numpy as np

with gr.Blocks() as demo:
    imgs = gr.State()
    gallery = gr.Gallery(allow_preview=False)

    def deselect_images():
        return gr.Gallery(selected_index=None)

    def generate_images():
```