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ClearButton

gradio.ClearButton(...)

Description

Button that clears the value of a component or a list of components when clicked. It is instantiated with the list of components to clear.

Behavior

As input: passes the button value as a `str` into the function

As output: expects a `str` to be returned from a function, which is set as the label of the button

Initialization

Parameter	Description
<div>components</div> <div><i>None list[Component] Component</i></div> <div>default: None</div>	
<div>value</div> <div><i>str</i></div> <div>default: "Clear"</div>	Default text for the button to display. If callable, the function will be called whenever the app loads to set the initial value of the component.
<div>every</div> <div><i>float None</i></div> <div>default: None</div>	If <code>value</code> is a callable, run the function 'every' number of seconds while the client connection is open. Has no effect otherwise. Queue must be enabled. The event can be accessed (e.g. to cancel it) via this component's <code>.load_event</code> attribute.

meter	Description
<div>variant</div> <div><i>Literal[['primary', 'secondary', 'stop']]</i></div> <div>default: "secondary"</div>	'primary' for main call-to-action, 'secondary' for a more subdued style, 'stop' for a stop button.
<div>size</div> <div><i>Literal[['sm', 'lg']] None</i></div> <div>default: None</div>	Size of the button. Can be "sm" or "lg".
<div>icon</div> <div><i>str None</i></div> <div>default: None</div>	URL or path to the icon file to display within the button. If None, no icon will be displayed. Must be within the working directory of the Gradio app or an external URL.
<div>link</div> <div><i>str None</i></div> <div>default: None</div>	URL to open when the button is clicked. If None, no link will be used.
<div>visible</div> <div><i>bool</i></div> <div>default: True</div>	If False, component will be hidden.
<div>interactive</div> <div><i>bool</i></div> <div>default: True</div>	If False, the Button will be in a disabled state.
<div>elem_id</div> <div><i>str None</i></div> <div>default: None</div>	An optional string that is assigned as the id of this component in the HTML DOM. Can be used for targeting CSS styles.
<div>elem_classes</div> <div><i>list[str] str None</i></div> <div>default: None</div>	An optional list of strings that are assigned as the classes of this component in the HTML DOM. Can be used for targeting CSS styles.

meter	Description
<div>render</div> <div><i>bool</i></div> <div>default: True</div>	If False, component will not render be rendered in the Blocks context. Should be used if the intention is to assign event listeners now but render the component later.
<div>scale</div> <div><i>int None</i></div> <div>default: None</div>	relative width compared to adjacent Components in a Row. For example, if Component A has scale=2, and Component B has scale=1, A will be twice as wide as B. Should be an integer.
<div>min_width</div> <div><i>int None</i></div> <div>default: None</div>	minimum pixel width, will wrap if not sufficient screen space to satisfy this value. If a certain scale value results in this Component being narrower than min_width, the min_width parameter will be respected first.
<div>api_name</div> <div><i>str None Literal['False']</i></div> <div>default: None</div>	
<div>show_api</div> <div><i>bool</i></div> <div>default: False</div>	

Shortcuts

Class	Interface String Shortcut	Initialization
<div>gradio.ClearButton</div>	"clearbutton"	Uses default values

Event Listeners

Description

Event listeners allow you to capture and respond to user interactions with the UI components you've defined in a Gradio Blocks app. When a user interacts with an element, such as changing a slider value or uploading an image, a function is called.

Supported Event Listeners



The `ClearButton` component supports the following event listeners. Each event listener takes the same parameters, which are listed in the [Event Arguments](#) table below.

Listener	Description
<code>gradio.ClearButton.add(fn, ...)</code>	Adds a component or list of components to the list of components that will be cleared when the button is clicked.
<code>gradio.ClearButton.click(fn, ...)</code>	Triggered when the Button is clicked.

Event Arguments

Parameter	Description
<code>components</code> <i>None Component list[Component]</i> <i>required</i>	

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