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# ClearButton

 $gradio.ClearButton(\cdots)$ 

### 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

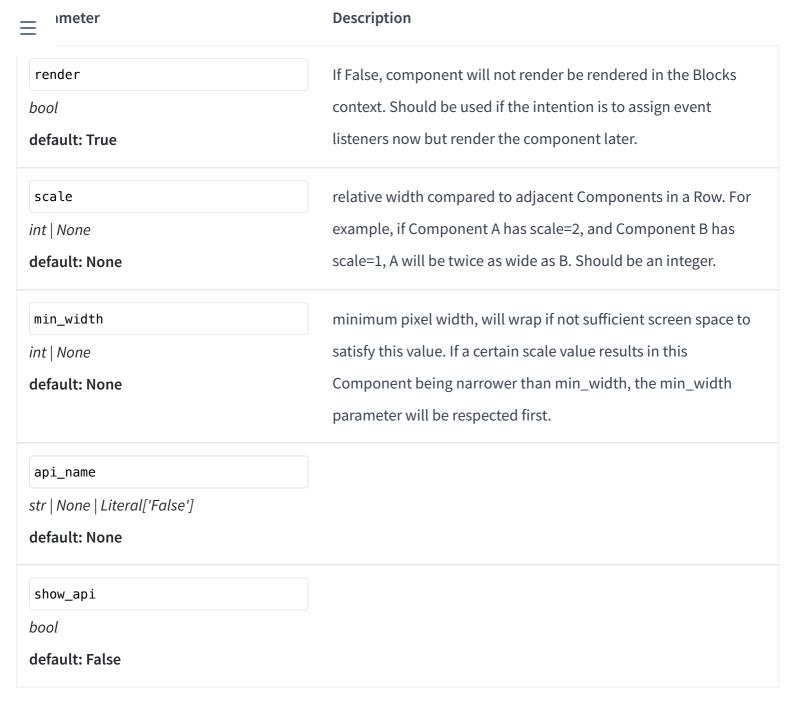
Description

### Initialization

**Parameter** 

components  None   list[Component]   Component  default: None	
value  str  default: "Clear"	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.
every  float   None  default: None	If value 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 .load_event attribute.

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



#### Shortcuts

Class	Interface String Shortcut	Initialization
gradio.ClearButton	"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
gradio.ClearButton.add(fn, ···)	Adds a component or list of components to the list of components that will be cleared when the button is clicked.
<pre>gradio.ClearButton.click(fn,)</pre>	Triggered when the Button is clicked.
Event Arguments	
Parameter	Description
components	
None   Component   list[Component]	



required

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