

Documentation

search

Search

- [rocket launch](#)

Get started

- [Installation](#)  
add
  - [Fundamentals](#)  
add
  - [First steps](#)  
add
- [code](#)

Develop

- [Concepts](#)  
add
  - [API reference](#)  
remove
    - PAGE ELEMENTS

---
    - [Write and magic](#)  
add
    - [Text elements](#)  
add
    - [Data elements](#)  
add
    - [Chart elements](#)  
add
    - [Input widgets](#)  
remove
      - BUTTONS

---
      - [st.button](#)
      - [st.download\\_button](#)
      - [st.form\\_submit\\_button](#)[link](#)
      - [st.link\\_button](#)
      - [st.page\\_link](#)
      - SELECTIONS

---
      - [st.checkbox](#)
      - [st.color\\_picker](#)
      - [st.feedback](#)
      - [st.multiselect](#)
      - [st.pills](#)
      - [st.radio](#)
      - [st.segmented\\_control](#)
      - [st.selectbox](#)
      - [st.select\\_slider](#)
      - [st.toggle](#)
      - NUMERIC

---
      - [st.number\\_input](#)
      - [st.slider](#)
      - DATE & TIME

---
      - [st.date\\_input](#)
      - [st.time\\_input](#)
      - TEXT

---
      - [st.chat\\_input](#)[link](#)
      - [st.text\\_area](#)
      - [st.text\\_input](#)
      - MEDIA & FILES

---
      - [st.audio\\_input](#)
      - [st.camera\\_input](#)
      - [st.data\\_editor](#)[link](#)
      - [st.file\\_uploader](#)
    - [Media elements](#)  
add
    - [Layouts and containers](#)  
add
    - [Chat elements](#)  
add
    - [Status elements](#)  
add
    - [Third-party components](#)[open in new](#)
    - APPLICATION LOGIC

---

- [Navigation and pages](#)  
add
- [Execution flow](#)  
add
- [Caching and state](#)  
add
- [Connections and secrets](#)  
add
- [Custom components](#)  
add
- [Utilities](#)  
add
- [Configuration](#)  
add
- TOOLS

- [App testing](#)  
add
- [Command line](#)  
add
- [Tutorials](#)  
add
- [Quick reference](#)  
add

- [web asset](#)

## [Deploy](#)

- [Concepts](#)  
add
- [Streamlit Community Cloud](#)  
add
- [Snowflake](#)
- [Other platforms](#)  
add
- [school](#)

## [Knowledge base](#)

- [FAQ](#)
- [Installing dependencies](#)
- [Deployment issues](#)
- [Home/](#)
- [Develop/](#)
- [API reference/](#)
- [Input widgets](#)

## Input widgets

*8*

With widgets, Streamlit allows you to bake interactivity directly into your apps with buttons, sliders, text inputs, and more.

## Button elements

*8*



### [Button](#)

[Display a button widget.](#)

```
clicked = st.button("Click me").
```



### [Download button](#)

[Display a download button widget.](#)

```
st.download_button("Download file", file).
```



### [Form button](#)

[Display a form submit button. For use with st.form.](#)

```
st.form_submit_button("Sign up").
```



### [Link button](#)

[Display a link button.](#)

```
st.link_button("Go to gallery", url).
```

 [screenshot](#)

## [Page link](#)

[Display a link to another page in a multipage app.](#)

```
st.page_link("app.py", label="Home", icon="🏠") st.page_link("pages/profile.py", label="My profile").
```

## Selection elements



 [screenshot](#)

## [Checkbox](#)

[Display a checkbox widget.](#)

```
selected = st.checkbox("I agree").
```

 [screenshot](#)

## [Color picker](#)

[Display a color picker widget.](#)

```
color = st.color_picker("Pick a color").
```

 [screenshot](#)

## [Feedback](#)

[Display a rating or sentiment button group.](#)

```
st.feedback("stars").
```

 [screenshot](#)

## [Multiselect](#)

[Display a multiselect widget. The multiselect widget starts as empty.](#)

```
choices = st.multiselect("Buy", ["milk", "apples", "potatoes"]).
```

 [screenshot](#)

## [Pills](#)

[Display a pill-button selection widget.](#)

```
st.pills("Tags", ["Sports", "AI", "Politics"]).
```

 [screenshot](#)

## [Radio](#)

[Display a radio button widget.](#)

```
choice = st.radio("Pick one", ["cats", "dogs"]).
```

 [screenshot](#)

## [Segmented control](#)

[Display a segmented-button selection widget.](#)

```
st.segmented_control("Filter", ["Open", "Closed", "All"]).
```

 [screenshot](#)

## [Select slider](#)

[Display a slider widget to select items from a list.](#)

```
size = st.select_slider("Pick a size", ["S", "M", "L"]).
```

 [screenshot](#)

## [Selectbox](#)

[Display a select widget.](#)

```
choice = st.selectbox("Pick one", ["cats", "dogs"]).
```

 [screenshot](#)

## [Toggle](#)

[Display a toggle widget.](#)

```
activated = st.toggle("Activate").
```

## Numeric input elements



### Number input

[Display a numeric input widget.](#)

```
choice = st.number_input("Pick a number", 0, 10).
```



### Slider

[Display a slider widget.](#)

```
number = st.slider("Pick a number", 0, 100).
```

## Date and time input elements



### Date input

[Display a date input widget.](#)

```
date = st.date_input("Your birthday").
```



### Time input

[Display a time input widget.](#)

```
time = st.time_input("Meeting time").
```

## Text input elements



### Text input

[Display a single-line text input widget.](#)

```
name = st.text_input("First name").
```



### Text area

[Display a multi-line text input widget.](#)

```
text = st.text_area("Text to translate").
```



### Chat input

[Display a chat input widget.](#)

```
prompt = st.chat_input("Say something") if prompt: st.write(f"The user has sent: {prompt}").
```

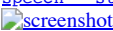
## Other input elements



### Audio input

[Display a widget that allows users to record with their microphone.](#)

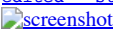
```
speech = st.audio_input("Record a voice message").
```



### Data editor

[Display a data editor widget.](#)

```
edited = st.data_editor(df, num_rows="dynamic").
```



### File uploader

[Display a file uploader widget.](#)

`data = st.file_uploader("Upload a CSV").`



## [Camera input](#)

[Display a widget that allows users to upload images directly from a camera.](#)

`image = st.camera_input("Take a picture").`

Third-party components



These are featured components created by our lovely community. For more examples and inspiration, check out our [Components Gallery](#) and [Streamlit Extras](#)!

[Previous](#)



## [Streamlit Chat](#)

[Streamlit Component for a Chatbot UI. Created by @AI-Yash.](#)

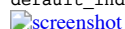
```
from streamlit_chat import message
message("My message")
message("Hello bot!", is_user=True) # align's the message to the right
```



## [Streamlit Option Menu](#)

[Select a single item from a list of options in a menu. Created by @victoryhb.](#)

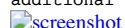
```
from streamlit_option_menu import option_menu
option_menu("Main Menu", ["Home", "Settings"],
icons=['house', 'gear'], menu_icon="cast",
default_index=1)
```



## [Streamlit Extras](#)

[A library with useful Streamlit extras. Created by @arnaudmiribel.](#)

```
from streamlit_extras.stoggle import stoggle
stoggle("Click me!", "" "👤 Surprise! Here's some additional content"",)
```



## [Streamlit Elements](#)

[Create a draggable and resizable dashboard in Streamlit. Created by @okls.](#)

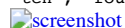
```
from streamlit_elements import elements, mui, html
with elements("new_element"): mui.Typography("Hello world")
```



## [Tags](#)

[Add tags to your Streamlit apps. Created by @gagan3012.](#)

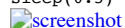
```
from streamlit_tags import st_tags
st_tags(label='# Enter Keywords:', text='Press enter to add more',
value=['Zero', 'One', 'Two'], suggestions=['five', 'six', 'seven', 'eight', 'nine', 'three', 'eleven', 'ten', 'four'],
maxtags = 4, key='1')
```



## [Stqdm](#)


[The simplest way to handle a progress bar in streamlit app. Created by @Wirg.](#)

```
from tqdm import tqdm
for _ in tqdm(range(50)):
    sleep(0.5)
```




## [Timeline](#)

[Display a Timeline in Streamlit apps using TimelineJS. Created by @innerdoc.](#)

```
from streamlit_timeline import timeline with
open('example.json', "r") as f: timeline(f.read()),
height=800)

```


## [Camera input live](#)

[Alternative for st.camera\\_input which returns the webcam images live.](#) Created by [@blackary](#).

```
from camera_input_live import camera_input_live
image = camera_input_live() st.image(value)

```


## [Streamlit Ace](#)

[Ace editor component for Streamlit.](#) Created by [@okld](#).

```
from streamlit_ace import st_ace content = st_ace()
content

```


## [Streamlit Chat](#)

[Streamlit Component for a Chatbot UI.](#) Created by [@AI-Yash](#).

```
from streamlit_chat import message message("My
message") message("Hello bot!", is_user=True) #
align's the message to the right

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[Select a single item from a list of options in a menu.](#) Created by [@victoryhb](#).

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screenshot
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additional content"",)
Next
Previous: Chart elementsNext: st.button
forum
```

**Still have questions?**

Our [forums](#) are full of helpful information and Streamlit experts.

