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st.container

🔗

Streamlit Version Version 1.41.0 ▾

Insert a multi-element container.

Inserts an invisible container into your app that can be used to hold multiple elements. This allows you to, for example, insert multiple elements into your app out of order.

To add elements to the returned container, you can use the `with` notation (preferred) or just call methods directly on the returned object. See examples below.

st.container(*, height=None, border=None, key=None)

Parameters

height (int or None)

Desired height of the container expressed in pixels. If `None` (default) the container grows to fit its content. If a fixed height, scrolling is enabled for large content and a grey border is shown around the container to visually separate its scroll surface from the rest of the app.

Note

Use containers with scroll sparingly. If you do, try to keep the height small (below 500 pixels). Otherwise, the scroll surface of the container might cover the majority of the screen on mobile devices, which makes it hard to scroll the rest of the app.

border (bool or None)

Whether to show a border around the container. If `None` (default), a border is shown if the container is set to a fixed height and not shown otherwise.

key (str or None)

An optional string to give this container a stable identity.

Additionally, if `key` is provided, it will be used as CSS class name prefixed with `st-key-`.
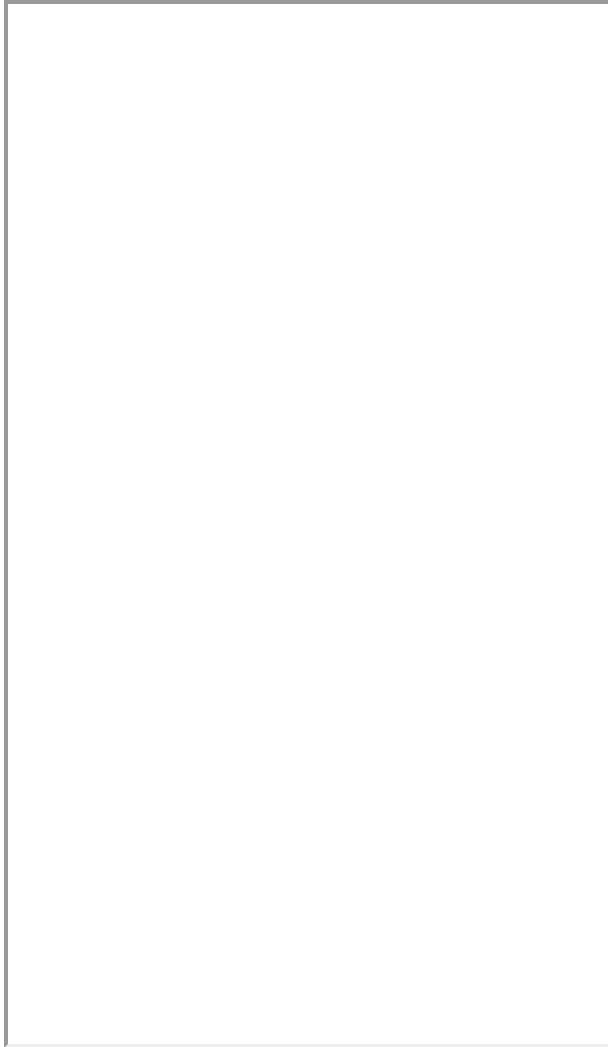
Examples

Inserting elements using `with` notation:

```
import streamlit as st

with st.container():
    st.write("This is inside the container")

    # You can call any Streamlit command, including custom components:
    st.bar_chart(np.random.randn(50, 3))

st.write("This is outside the container")
```
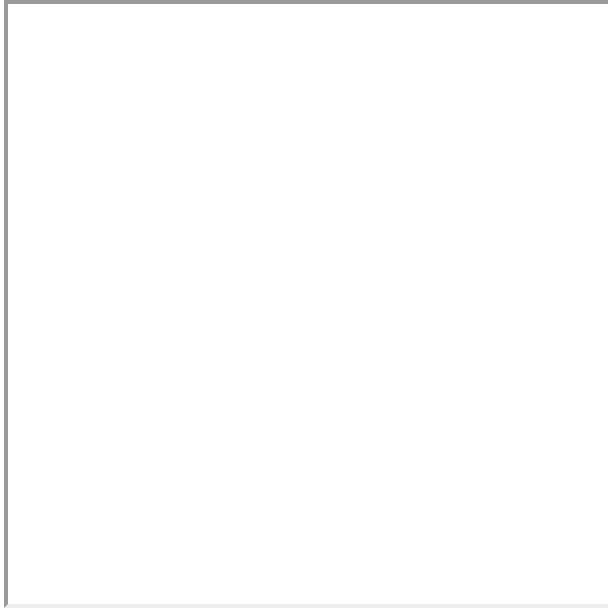
Inserting elements out of order:

```
import streamlit as st

container = st.container(border=True)
container.write("This is inside the container")
st.write("This is outside the container")

# Now insert some more in the container
container.write("This is inside too")
```
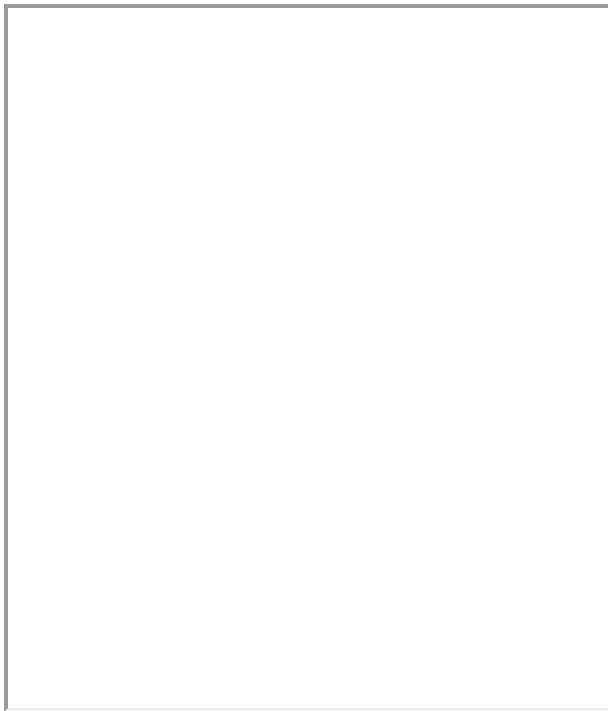
Using `height` to make a grid:

```python
import streamlit as st

row1 = st.columns(3)
row2 = st.columns(3)

for col in row1 + row2:
    tile = col.container(height=120)
    tile.title(":balloon:")
```

Using `height` to create a scrolling container for long content:

```python
import streamlit as st

long_text = "Lorem ipsum. " * 1000
```

```
with st.container(height=300):
    st.markdown(long_text)
```

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