



Streamlit roadmap

Welcome to our roadmap! 🙌 This app shows some projects we're working on or have planned for the future. Plus, there's always more going on behind the scenes — we sometimes like to surprise you ✨



Need a feature that's not on here? [Let us know by opening a GitHub issue!](#)



Read [the blog post on Streamlit's roadmap](#) to understand our broader vision.

Show past quarters



Aug – Oct 2024



st.json allows configurable expansion depth ✅ Launched

Selectively collapse or expand different levels of st.json.



Parameter for “Press enter to submit” in forms 🚩 Ready for launch



Add width and height parameters to st.map 🚩 Ready for launch



Icon on buttons 🚩 Ready for launch



Make CSS hacking less painful 🚩 Ready for launch



Microphone/audio input widget 🔧 Testing

A new input widget that returns audio from the user's microphone.



Selections on maps 🔧 Testing

Let users select data points on st.pydeck_chart and return the selected data on the Python side.



Add query_params in st.page_link and st.switch_page 👤 Development





File upload for st.chat_input 👤 Development



Upload a file directly to st.chat_input to create multimodal LLM applications.





Button groups 👤 Development



New widgets for pills, segmented controls, and side-by-side buttons.

 **Support Python 3.13**  Planning

 **Set use_container_width=True by default**  Planning



 **Migrate fullscreen button to toolbar**  Planning



Nov 2024 – Jan 2025


 **pathlib.Path support for file paths**  Planning

Support pathlib.Path objects across Streamlit commands that accept traditional strings and file objects today



3 **Support Bokeh v3**  Planning

 **Add border parameter to more elements**  Planning

 **Better markdown arrows and dashes**  Planning


 **Improve client.showErrorDetails**  Planning


Support more fine-grained values for the config option client.showErrorDetails.


 **Markdown in st.table**  Planning

 **Accept new items in st.selectbox and st.multiselect**  Planning

 **Don't rerun when clicking st.download_button**

 **Python API to read active theme information**


 **Built-in charts: Better tooltip on hover**

 **Deferred data load for st.download_button**


st.download_button accepts a function, which is only executed once it's clicked.

 **Authentication & st.user**

Add authentication to your Streamlit app with a config file, and check via st.user which user is logged in.

 **Advanced theming**

More theming parameters in config.toml, so you can adapt apps to your preferred design system.

 **Voice input for st.chat_input**

Capture audio with a microphone button in st.chat_input, so you can send it to a multimodal LLM.

 **Top navigation bar**

Show the pages of a multipage app at the top instead of in the sidebar.

Future



AppTest improvements

Support additional st commands and easier lookups



Speed + performance initiative

Make Streamlit run and seem faster.



Components v2

An improved API to create custom components.



Chart builder

Build charts with a simple point-and-click interface, then add them as code to your app.



st.app_state

A tiny NoSQL database for every app in Streamlit Cloud!



Data wrangler to Pandas code

Filter, pivot, aggregate your data right in the st.dataframe UI, then copy it as Pandas code to your app.



Data wrangler

st.dataframe shows summary statistics and lets you filter, sort, pivot, aggregate, sort, etc.



Expander/tabs: run only when opened



Allow st.file_uploader to return file path instead of UploadedFile



Clickable examples for st.chat_input

Add example prompts to st.chat_input that users can click on.



Page icon

Easily add an emoji icon to the top of your page.



State and cache visualizer

Shows you which objects are in the cache and session state at any time



Streamlit lightweight profiler

A memory and runtime profiler right within Streamlit



Higher-level chat API