

Front-end (Streamlit)

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Streamlit is a python work around for building UI for genAI apps:
Install using pip3 install streamlit

Run application:
Inside pipenv shell
streamlit run /Users/sugnanasekaran/wspace_learn/streamlit_FE/basic.py

Function	Purpose	Example Usage
st.title()	Main title of the app	st.title("GenAI Chat App")
st.header()	Section header	st.header("Chat History")
st.subheader()	Smaller header than header()	st.subheader("Input Area")
st.write()	General-purpose display (text, markdown, data)	st.write("Welcome!")
st.success()	Shows a green success message	st.success("Message sent successfully!")
st.error()	Shows a red error message	st.error("Something went wrong")
st.warning()	Shows a yellow warning message	st.warning("Check your input")
st.info()	Shows an info box	st.info("This app uses GenAI")
st.text_input()	Takes single-line user input	st.text_input("Enter your message")
st.button()	Adds a clickable button	st.button("Send")
st.session_state	Stores state (chat history, flags, etc.)	st.session_state.chat_history
st.chat_input()	Chat-style input box (newer versions)	st.chat_input("Say something...")
st.chat_message(role)	Used with chat_input; displays user or AI messages	st.chat_message("user").write("Hi!")
st.sidebar	Add UI to the sidebar	st.sidebar.selectbox("Model", [...])
st.radio()	Single-select option list	st.radio("Choose one", ["A", "B"])
st.selectbox()	Dropdown selector	st.selectbox("Pick", ["GPT-3", "GPT-4"])
st.markdown()	Write Markdown-formatted content	st.markdown("***Bold Text**")