

User accesses webpage

Display page title, header
(My GPT-4o-mini Chatbot UI loads)

Check if session state
has any saved chat history

Yes

No

Display previous
messages from
session state

Display empty chat
area (no history)

User enters prompt in chat input
(UI updates)

Append user message to the
session state list

Display user's message in
chat window (UI update)

Send request to OpenAI GPT-
4o-mini with user prompt +
history

Stream assistant's response
(chunk by chunk from GPT)

Display assistant's message in
chat window (UI update)

Append assistant's response to
session state message

Provide multiple prompts or close
the webpage

