POC: User Session Invalidation on Web Browser Window or Tab Close

Requirements

The requirements is the following:

- The session management feature shall terminate (invalidate) the user backend session whenever the user closes the last web browser window or tab of the application **without explicitly logging out**.
- If the user opens the page again using URL, bookmark, or history in the browser, he/she should be redirected to the login screen. So, the user cannot re-open any page of the application without Login procedure.

Solution

- Register JavaScript event handler for "close tab/window" JavaScript event (`beforeunload`)
- When the event intercepted, call server-side Logout API
    - Do not call Logout API if the user already explicitly signed out
    - Count opened tabs to call Logout API only when the **last** web browser window or tab of the application is closed
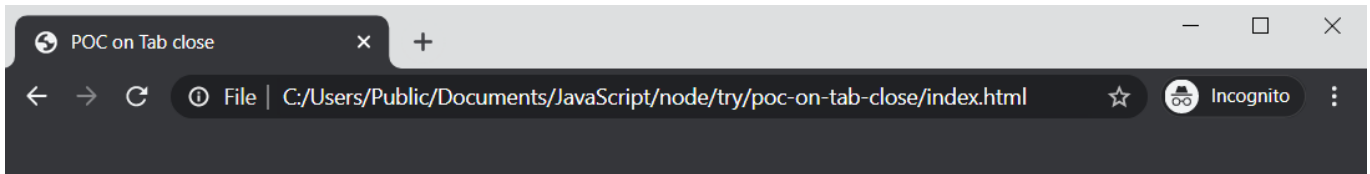
POC steps to reproduce

1. Open `index.html` Page in a Web Browser

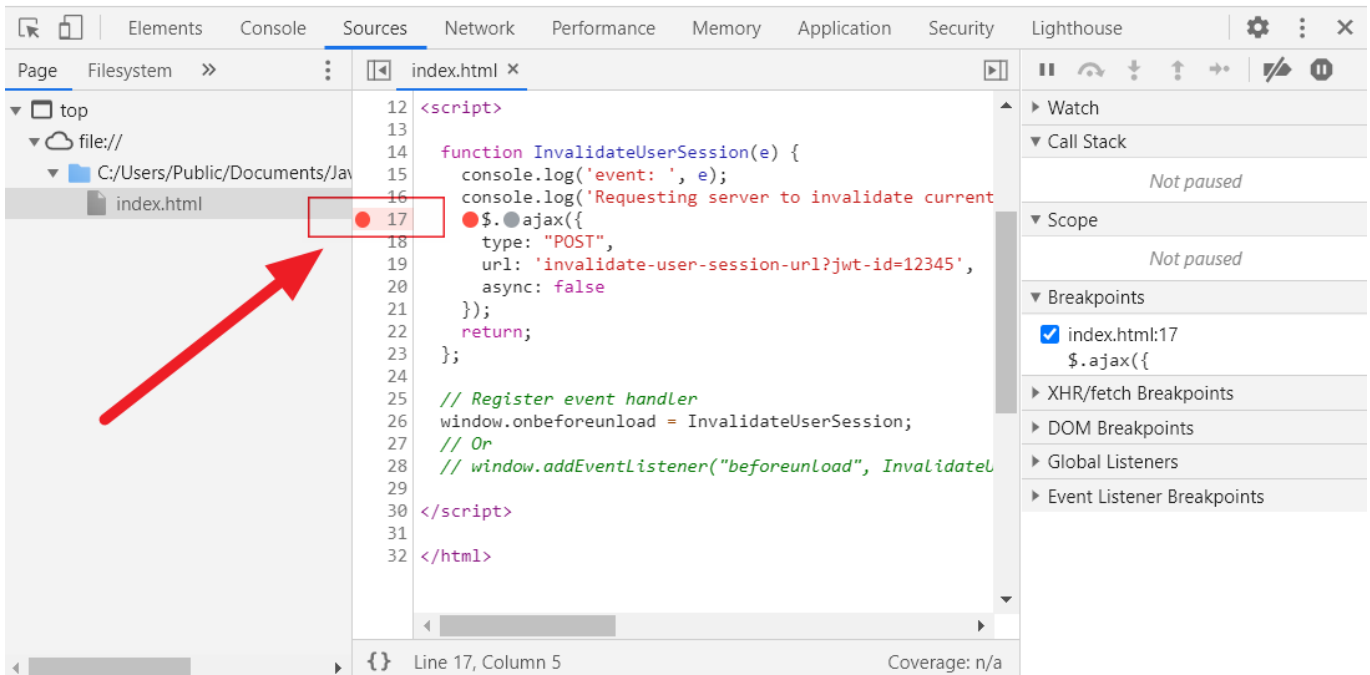Open the `index.html` page in your web browser directly from the file system. You do not need any web service backend.
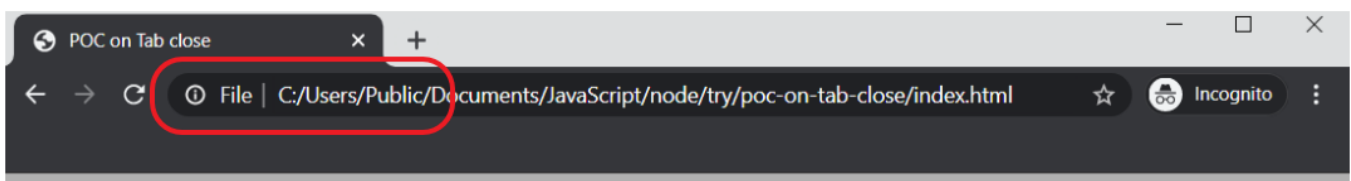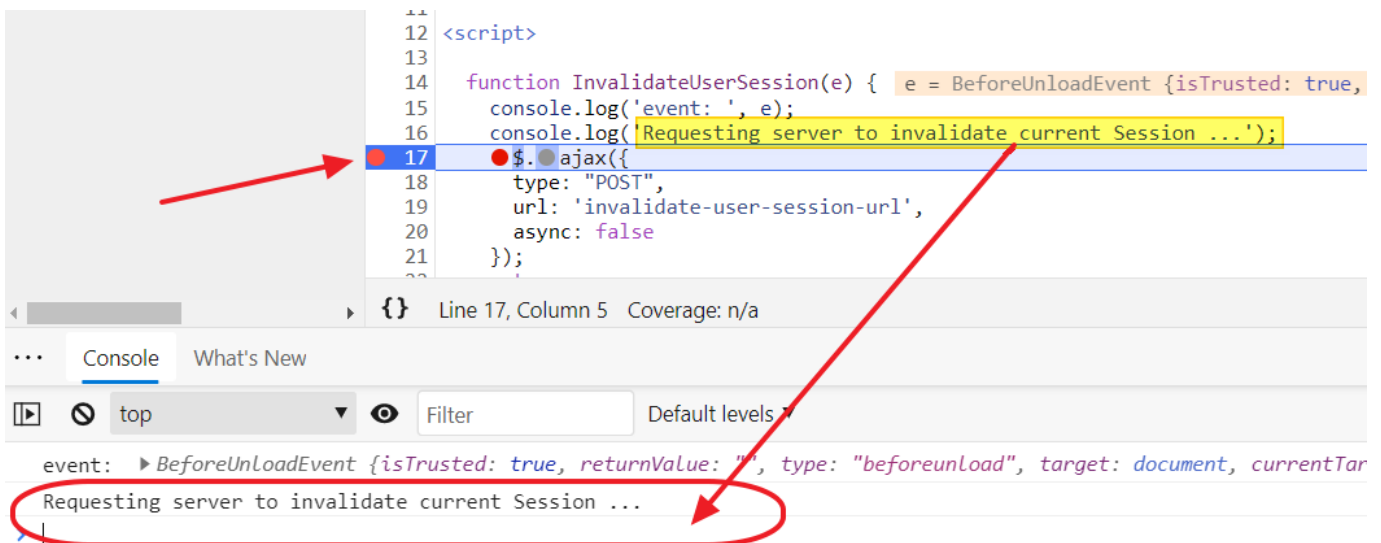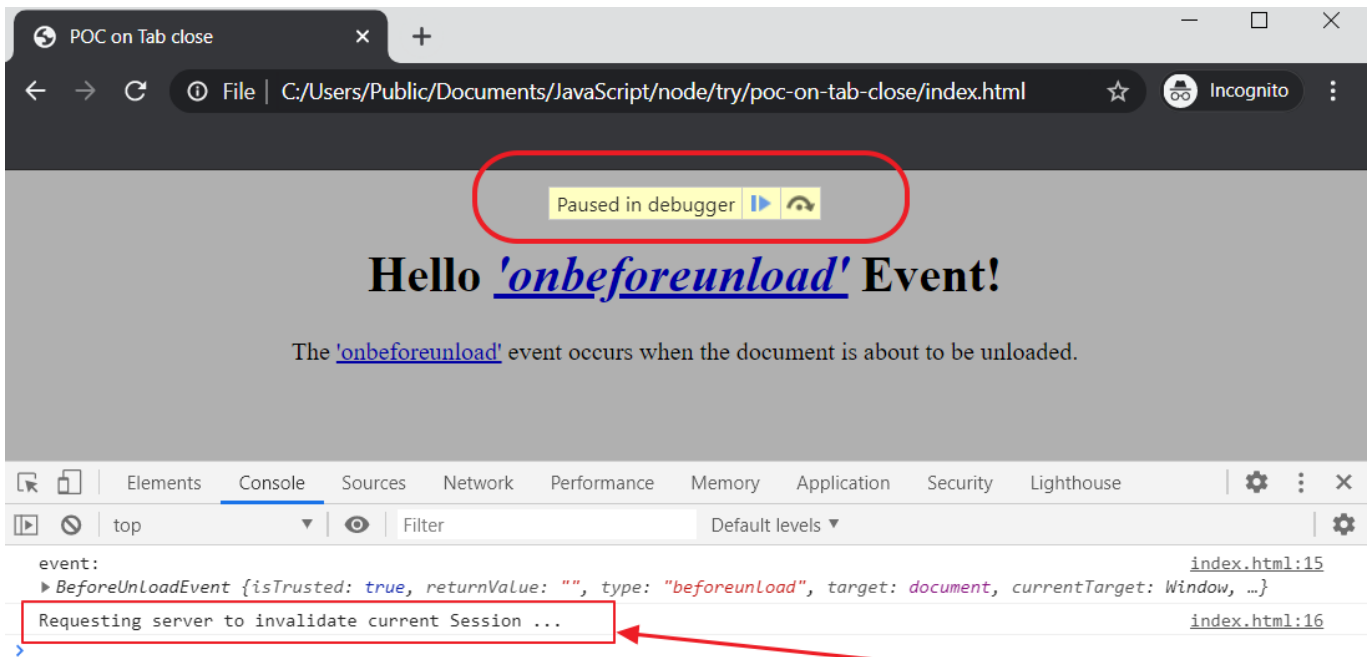

2. Put a breakpoint

3. Close the Web Browser Window or Tab

4. The event beforeunload is intercepted

4. The Running Script is Paused in Debugger

5. Resume Script Execution to Finally Close the Web Browser Window or Tab