

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

Requirements

The requirements are 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 the Login procedure.

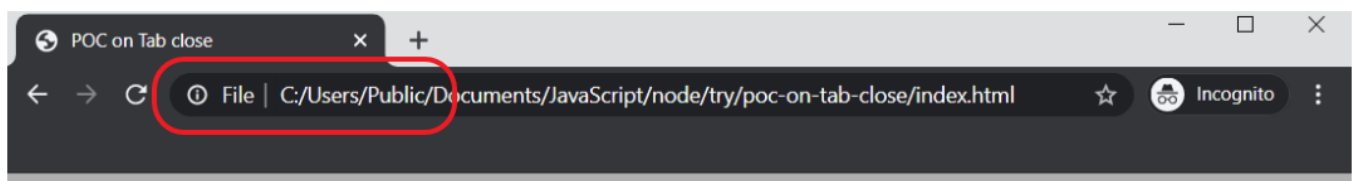
Solution

- 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

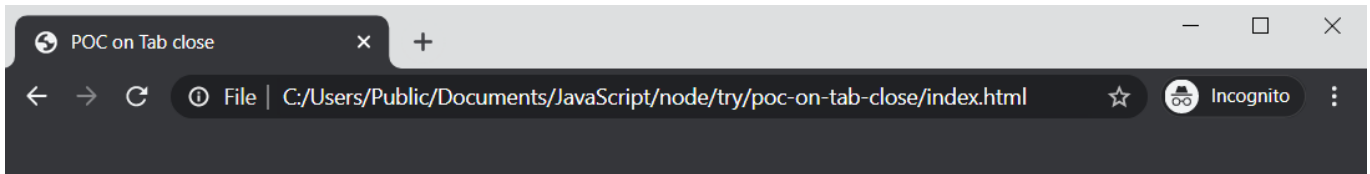
POC steps to reproduce

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.

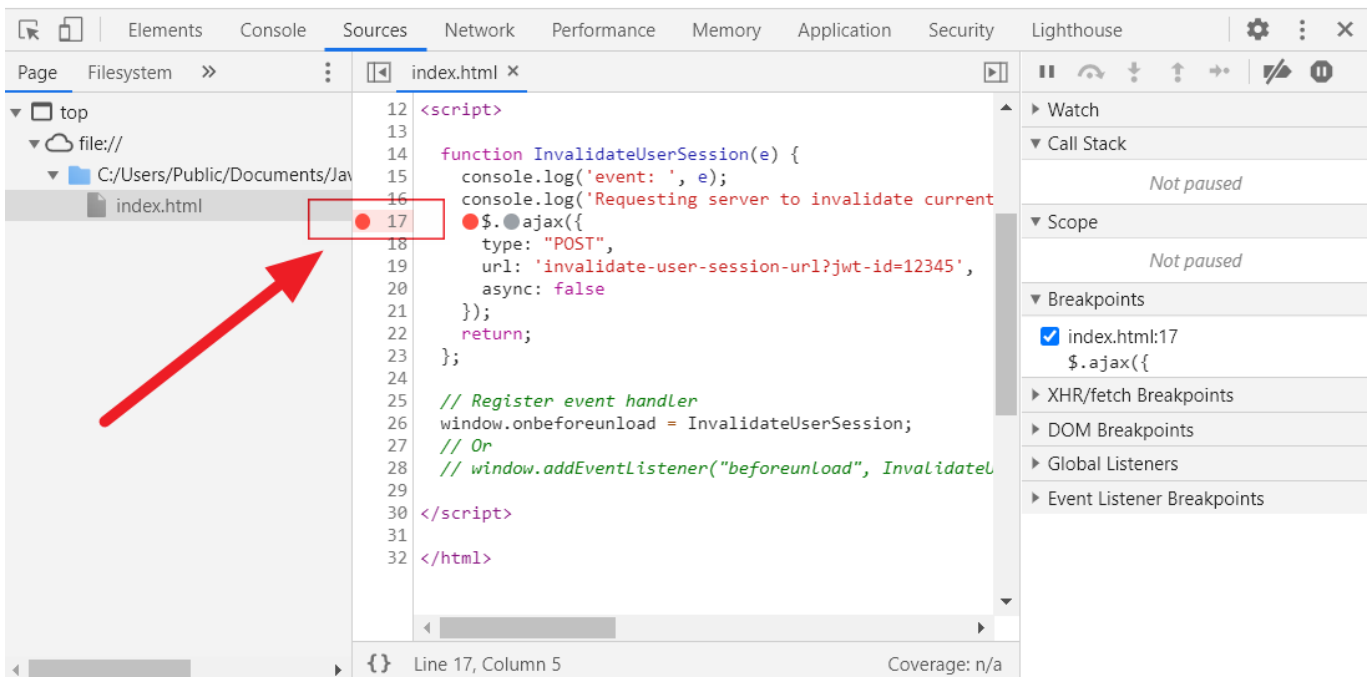


2. Put a breakpoint



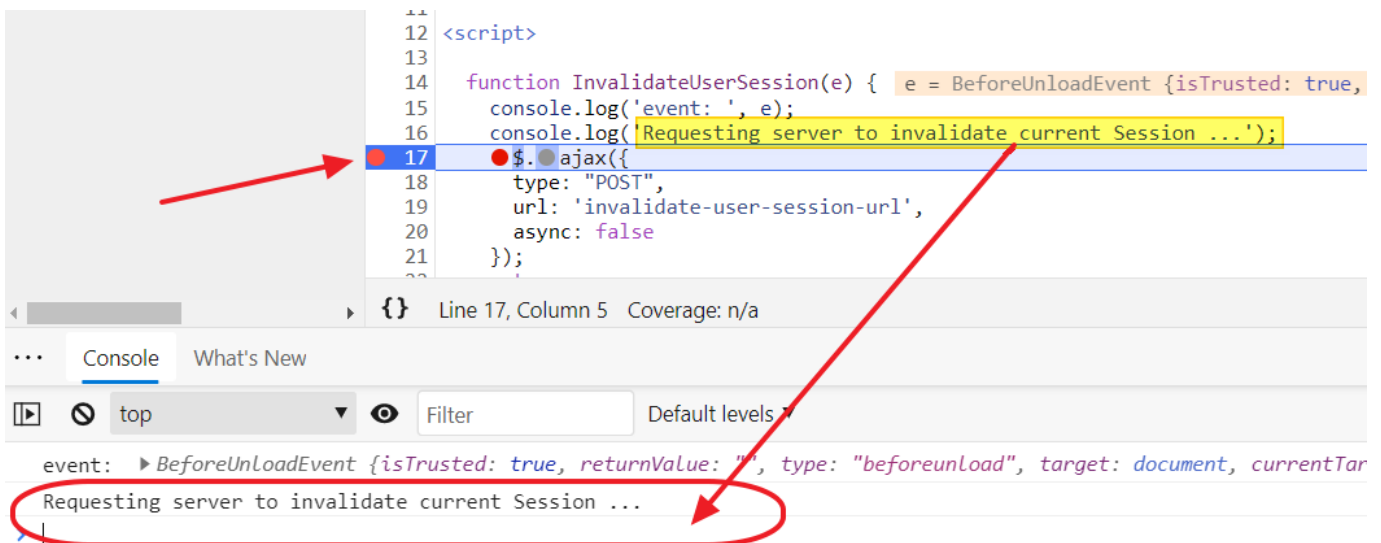
Hello 'onbeforeunload' Event!

The 'onbeforeunload' event occurs when the document is about to be unloaded.

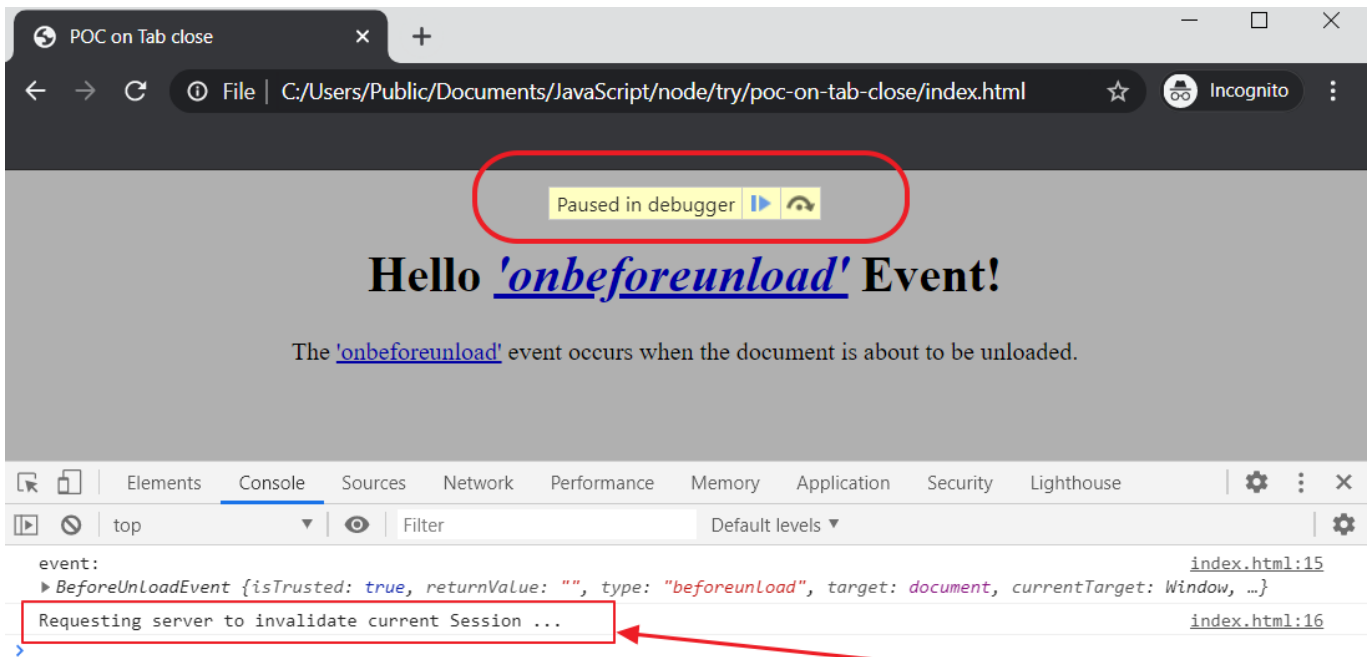


3. Close the Web Browser Window or Tab

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

