

Fragment Extraction from StackOverflow

Beginner Practical Summer 2019

Florian, Simon, Tobias

PVS
Ruprecht-Karls University
August 21, 2019

Chrome Extension Tests

Precondition for all test: installed Chrome Extension and VSC Extension if not further specified.

Get Question with one Tag in PopUp

Precondition Opened question with one tag

Test Steps Open chrome extension by clicking on extension icon, send fragment to VSC, verify tags in VSC.

Expected Result No Tag in VSC and closed Chrome PopUp

Expected Exception No codeblock on website

Test succeeded with this StackOverflow Question

Get Question with one Tag with Add To Fragment Button

Precondition Opened question with one tag

Test Steps Open PopUp Window by clicking on any codeblocks specified button, send fragment to VSC, verify tags in VSC.

Expected Result No Tag in VSC and closed Chrome PopUp

Expected Exception No codeblock on website

Test succeeded with this StackOverflow Question

Question with no Codeblock in any Answer

Precondition Question with no codeblock or no answer

Test Steps Open Chrome Extension by clicking extension icon and send fragment to VSC

Expected Result Extension won't send fragment and hovertext will appear

Expected Exception None

Tested with: StackOverflow Question. At tested point unanswered for over 5 years. Succeeded. No differianated test neccessary as there is no Add to Fragment Button.

Sending without VSC-Extension

Precondition Chrome extension installed, no VSC-extension

Test Steps Open any thread and send fragment

Expected Result PopUp closes, fragment "sent"

Expected Exception None

Fragments do not send without a designated host. Nothing changes, nothing happens.

Add last codeblock of any page

Precondition Question thread with at least two codeblocks

Test Steps Click Add to Fragment Button of last codeblock and check whether all data is passed

Expected Result All data appearing in popping up window

Expected Exception None

Test succeeded with this StackOverflow Question. Purpose of the test was to check whether there was an out of range (of the Array of all Codeblocks) error.

Jump to Fragment, not the first

Precondition Question where model does not predict first codeblock

Test Steps Open popup, click on jump to fragment button

Expected Result screen should be scrolled to desired position

Expected Exception does not work in popup window, where you get by adding fragment manually

Test succeeded with this StackOverflow Question.

Temporal Save of Changed Inputs

Precondition Any question thread

Test Steps fill all input fields, close popup and reopen again

Expected Result input fields should have same data as before closing

Expected Exception popup closed through cancel button or closing browser

Test succeeded with this StackOverflow Question.

Saving of State after Removing Tag

Precondition Any question thread with at least two tags

Test Steps fill tags field, remove one tag, close popup and reopen again

Expected Result input fields should have same data as before closing

Expected Exception popup closed through cancel button or closing browser

Test succeeded with this StackOverflow Question.

Sending with Empty Codeblock

Precondition Any page on stackoverflow

Test Steps open popup, if there delete code, add label, send fragment

Expected Result hovertext over codeblock-field reminding to set code

Expected Exception None

Test succeeded.

Sending with Empty Codeblock in PopUp Window

Precondition any question thread with at least one codeblock

Test Steps click any add to fragment button, add label, delete code, send fragment

Expected Result hovertext over codeblock-field reminding to set code

Expected Exception None

Test succeeded with this StackOverflow Question.

Codeblock on second Page

Precondition Question thread with at least two pages and codeblocks

Test Steps go on second page, open popup

Expected Result by models best predicted codeblock visible in popup

Expected Exception None

Test succeeded with this StackOverflow Question.

Jump to Fragment on second Page

Precondition Question thread with at least two pages and codeblocks

Test Steps go on second page, open popup and click jump to fragment button

Expected Result scrolling to desired codeblock

Expected Exception None

Test succeeded with this StackOverflow Question.

Reloading Page after Updating Extension

Precondition Any question thread

Test Steps update extension in `chrome://extensions`, go to question and click on extension icon

Expected Result page reloading

Expected Exception None

Test succeeded with this StackOverflow Question.