Eye Able Click Action Recorder

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Introduction & Basic Information

The Click Action Recorder is used to record actions for the Eye Able Report module.

The Eye Able Report Module crawls webpages and checks them for accessibility. In order to perform actions such as typing and clicking (e.g. the log-in process), the crawler requires information on which interactions need to be performed.

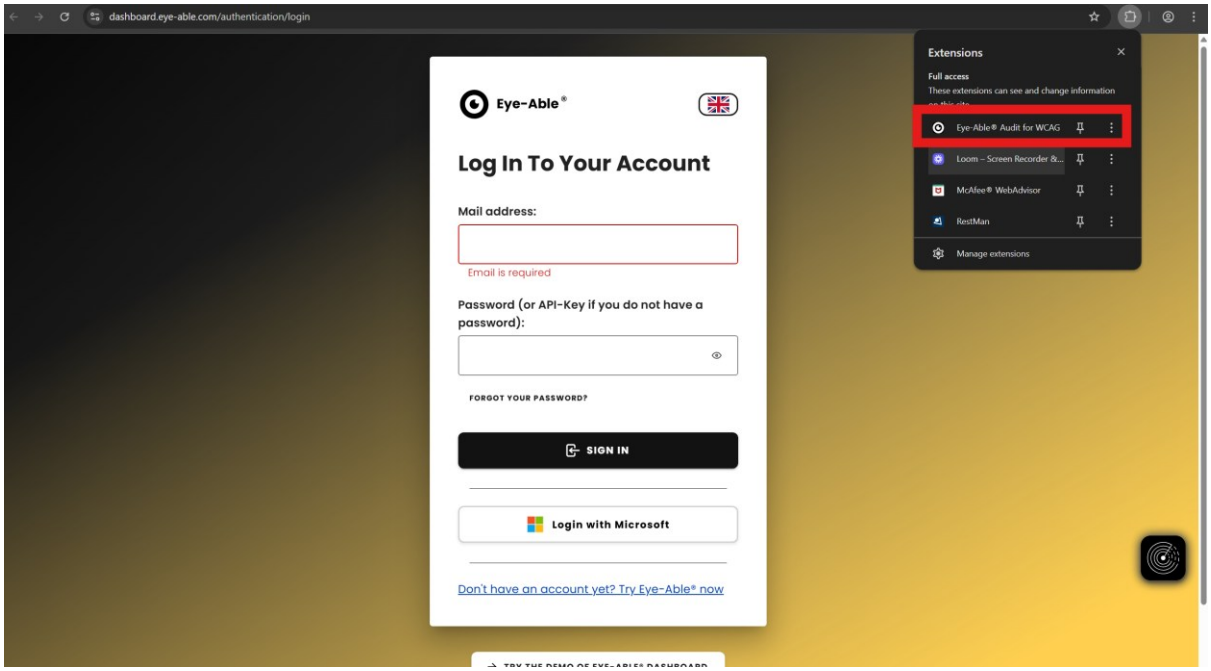
The Click Action Recorder allows these interactions to be recorded, saved, deleted and edited.

The Click Action Recorder is a Chrome extension. Once activated, you can record all interactions in a browser tab (not window!). Based on a CSS selector, the Click Action Recorder finds the target element and saves the performed action. You can also test an

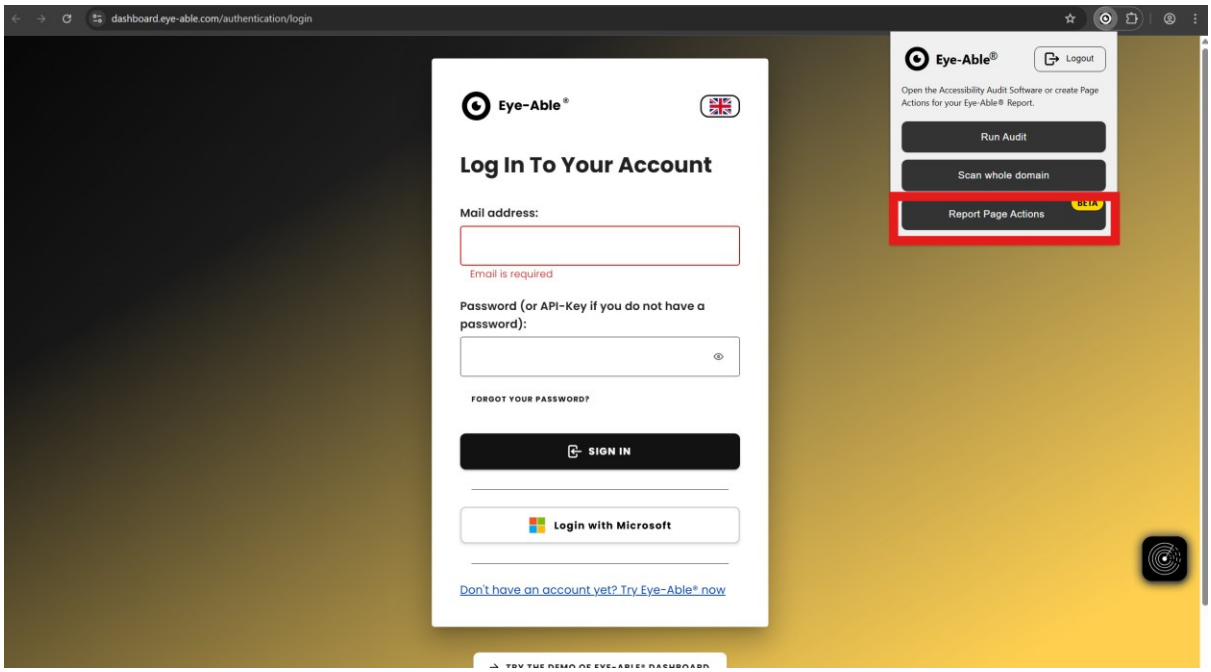
action before saving it. Once you have saved the action, the Eye Abel Report will have access to it and can perform these interactions during the crawl.

How to use it

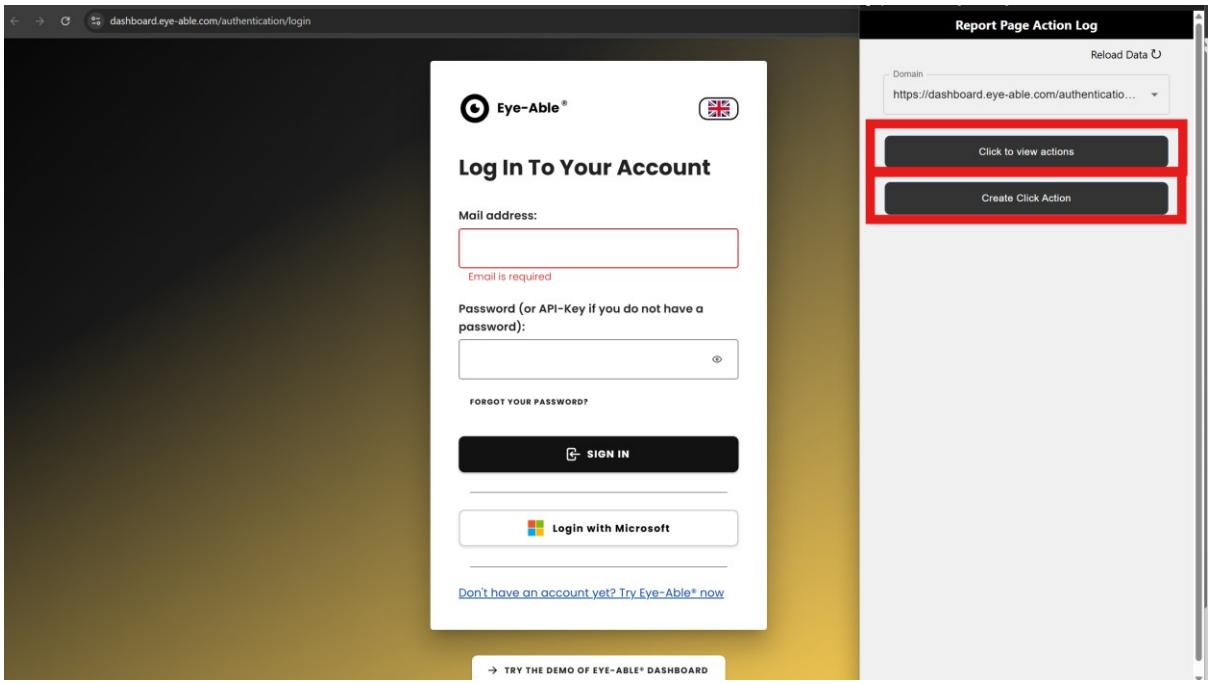
1. Click on the extension button in Chrome.



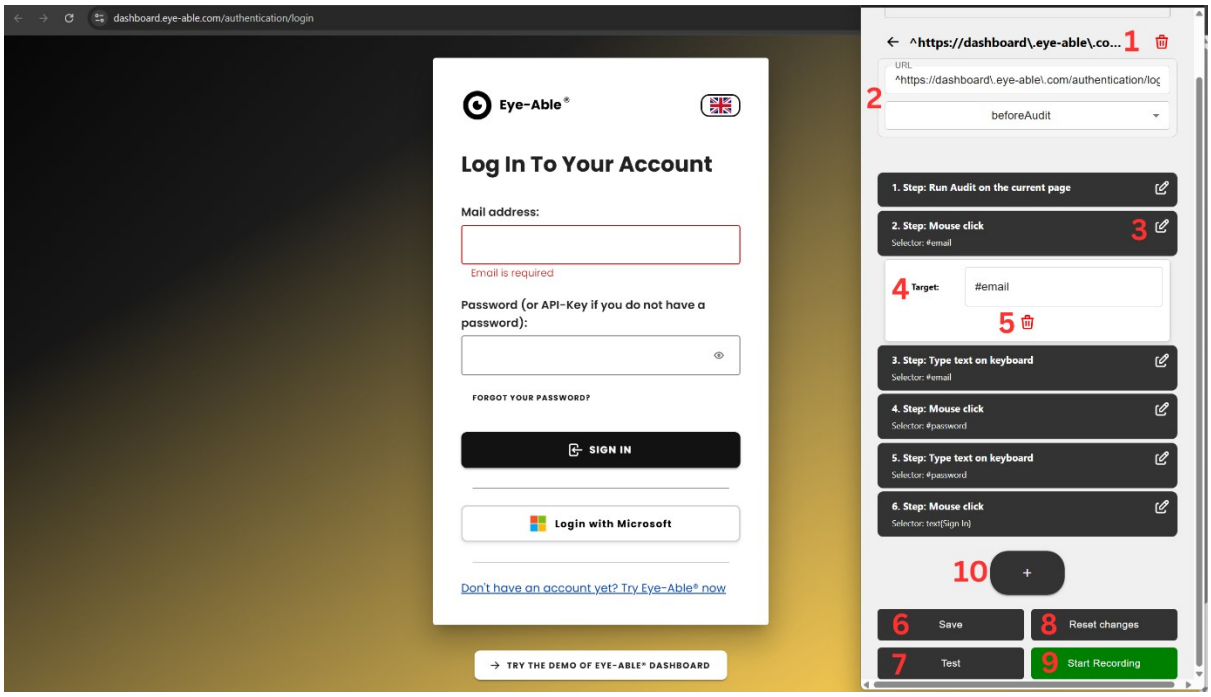
2. Login with your credentials that you also use for the Dashboard
3. Click on “Open Report Action Recorder”



4. View current saved actions or create new actions



5. To create a new action click on “Create Click Action” and afterwards click on “Start Recording”
6. Do actions in the **tab** you have opened the extension!
7. Important: After recording and editing an action flow click on save!



On the final screen, you can do the following:

1) Delete the whole action.
2) Edit the regular expression that matches the URL on which the action should be performed. Eye Able Report will only perform these actions on those URLs. You can also choose whether to run this action before or after the URL is scanned for accessibility.
3) Open the edit settings of an action step.
4) Edit the action step property.
5) Select the option to delete this step.
6) Save: this action flow will then be saved and performed by Eye Able Report.
7) Test: to test the action flow.
8) Reset changes: This resets everything to the last saved version.
9) Start Recording: Press this to continue recording actions. These will be added to the action flow. Important: you need to click Save again afterwards!

Important: after editing, you must save the changes by clicking the Save button!

10) You also have the option to add a new action step manually. When you click on the '+' button, you can add a step manually. Here, you can add options such as delays, URL changes and running an audit. You must also add the properties manually. The manually added action step will then be added to the end of the action flow.

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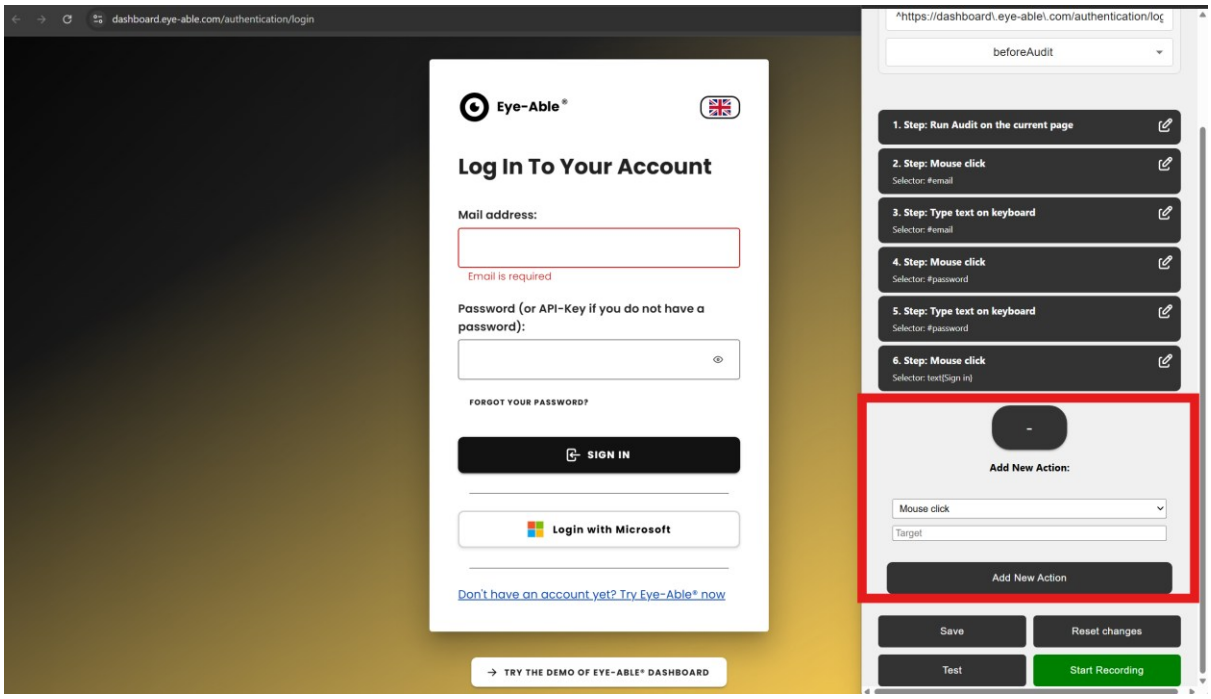


Selecting Elements

The browser extension automatically detects the element on which a certain interaction is performed. We then try to find a unique identifier for this element. If the element has an ID, we use this as the unique identifier. If it does not have an ID, we check the parent elements for one. If these also do not have an ID, we check the grandparent elements, and so on. Ultimately, we aim to obtain a unique identifier. Depending on the site's structure, this can result in a complex identifier.

Our detection is based on IDs and parent elements. However, it is possible to manually edit the target elements.

Example Target:

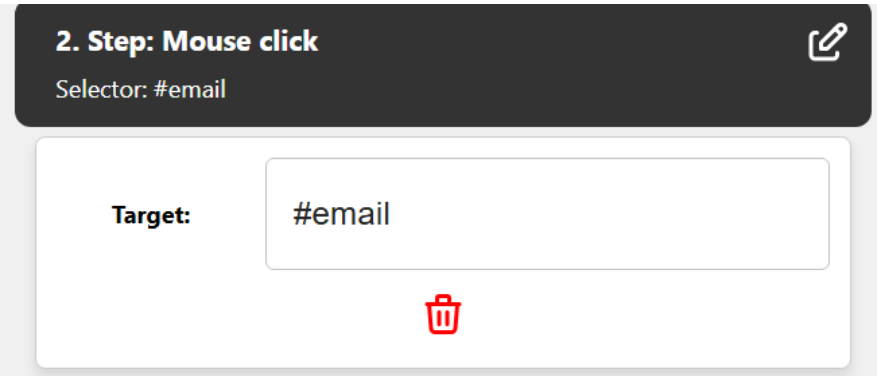
Target	Example
Attributes	1. [name=”uniqueName”] 2. [data-component-id="DriverData-weiter"]
IDs, parent elements	1. #id 2. #id > span > span:nth-of-type(3)
UniqueText (e.g. text of button)	text{uniqueText

Interaction Types

Different kind of interactions can be performed on a website. The following interactions are supported:

Mouse click

The moseClick action performs a click action. The target specifies the element that should be clicked. See Section Selecting Elements for more Information about how a element is beeing selected.

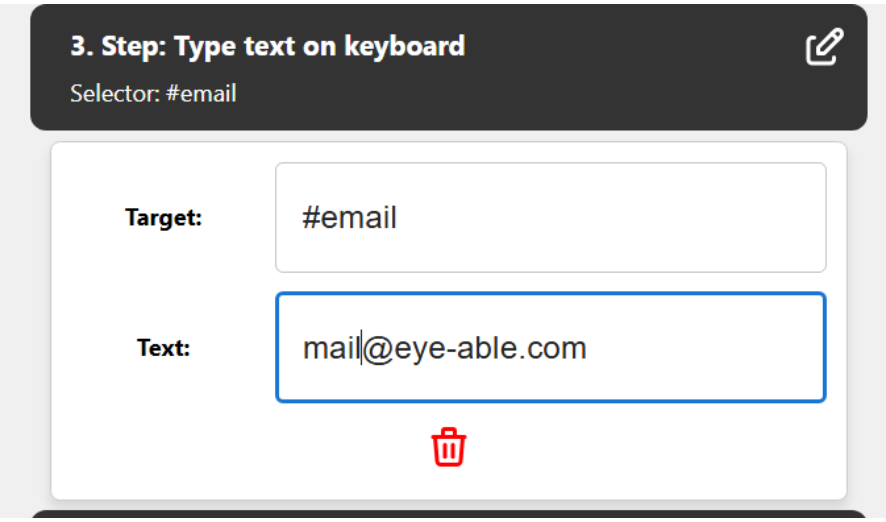


Click (Legacy)

Same functionality as mouseClick.

Type Text on Keyboard

Performs typing on a keyboard. The given text is beeing typed into the given target.

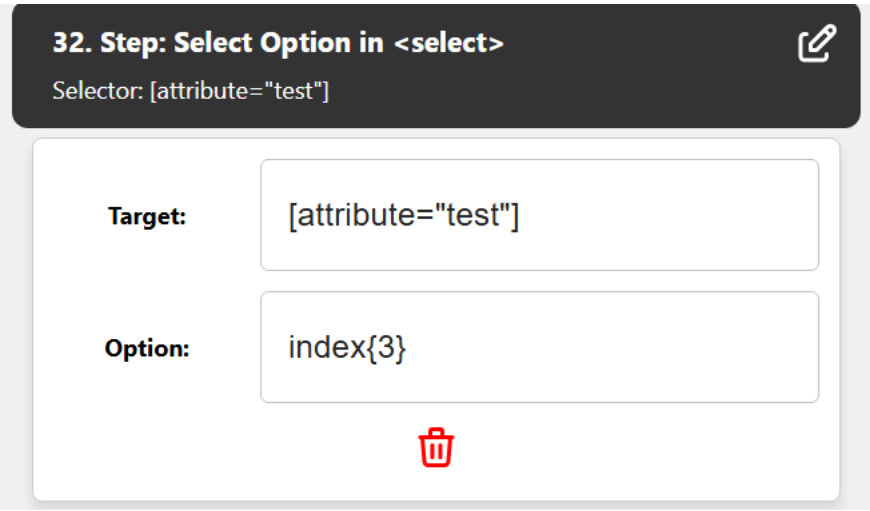


Enter Text (Legacy)

Sama as Type Text on Keyboard

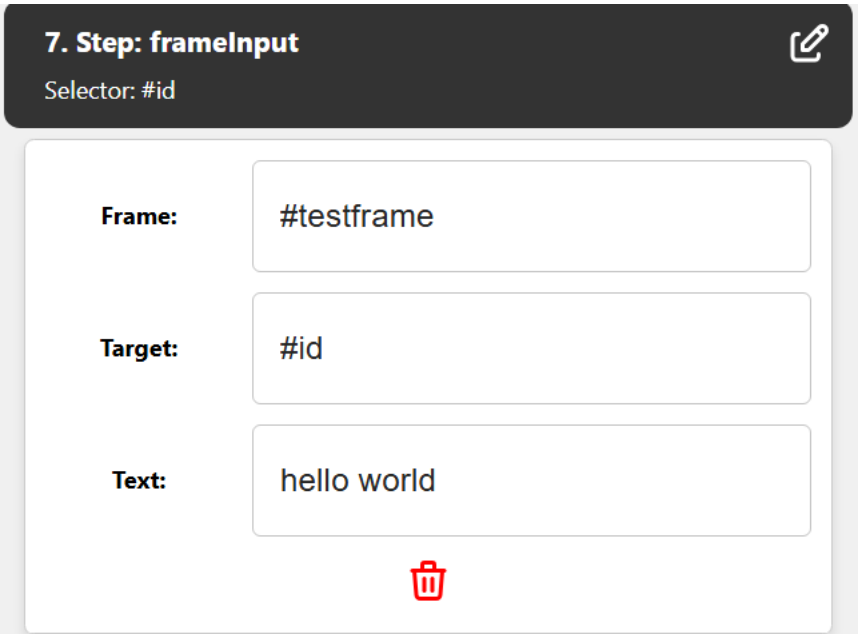
Select Option in <select>

Here you can choose options in a select field. For that we target the selec element and give also an option. Based on the option field and option is chosen. It is based on the index of the option. The first option has the index 0



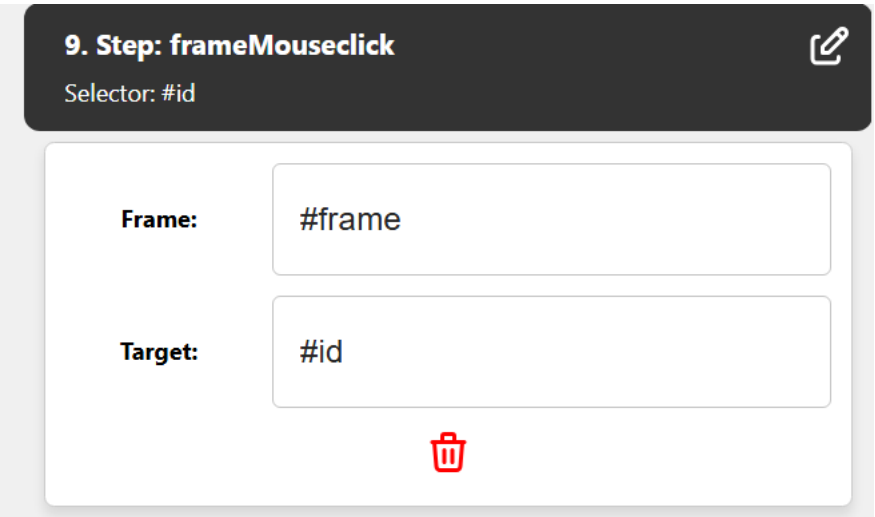
Enter text (iFrame Legacy) (frameInput)

Enter a text into an iFrame works the same way as „Enter text (Legacy)“. Needs additional a frame target. When the frame is selected the target element inside the frame is choosen and the text is beeing typed.



Mouse click in iFrame (frameMouseClick)

A mouseclick on an element in a selected frame is being performed. Frame and target needs to be specified.

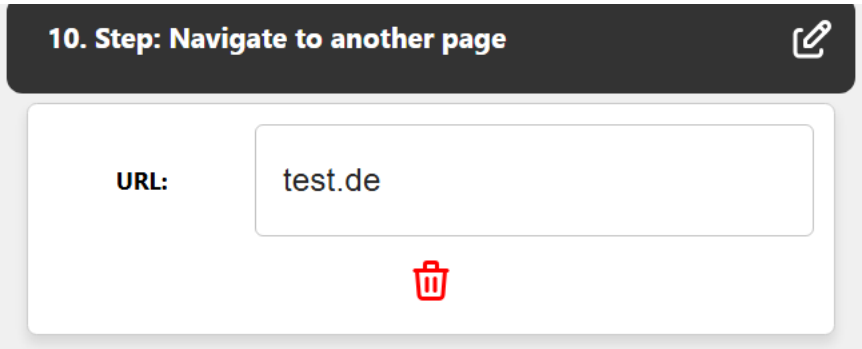


Click (iFrame Legcay)(frameClick)

Same as Mouseclick in iFrame

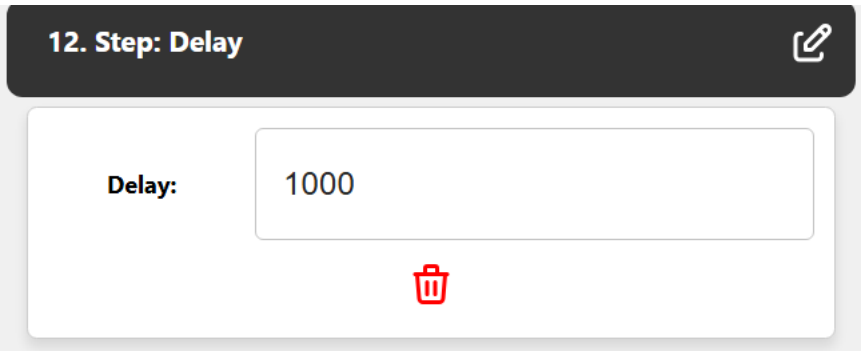
Navigate to another page

Navigates to the given url.



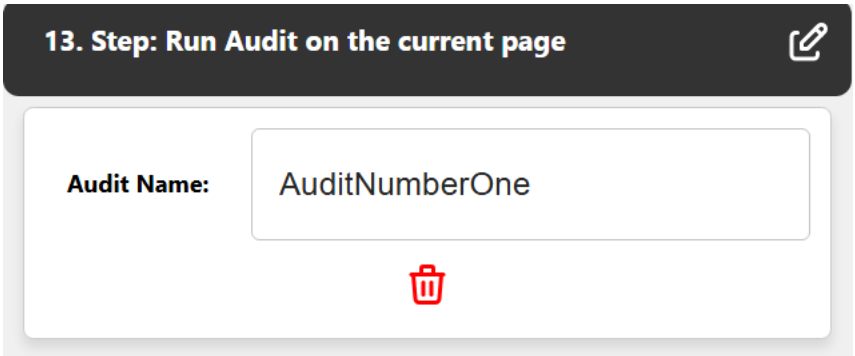
Delay

Adds a delay between the steps. The delay is in miliseconds.



Run Audit on the current page

Runs an accessibility check on the current page. The results will be stored and can be seen in our Dashboard.



Good to know

1. Only the tab is being recorded where the extension was started from
2. When recording do use copy and paste. Click on each item and type each character on the keyboard. Do not naviagte with the keyboard. For example: click on a login-button and **do not** press enter.
3. You can edit steps and change the target and/or text manually in case the recording does not recognize the correct recording
4. You can test your actions. You can test them from beginning or from a particular step
5. When you test do not forget to delete cookies or perform a log out before. Create the same state as at the start of the recording.
6. With drag and drop you can change the order of the action steps.

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