

You Don't Know *.user.js

**What are Userscripts,
where you can use them,
and how they can improve your productivity.**

Who am I

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Frontend Engineer @amazon

40 Hackathons

30+ Open source projects (*mockingcase, cofeed-19, roataway.md, ...*)

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Poll results

Do you know the usage of *.user.js files?

You can see how people vote. [Learn more](#)

Yes

5%

No

35%

No, but would like to know

60%

[20 votes](#) • 3h left • [Hide results](#)

What are *.user.js files?

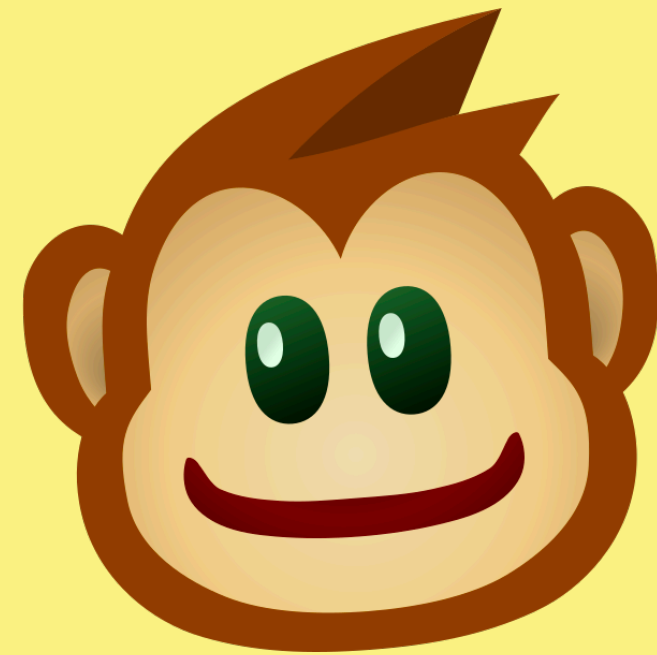
It's a file extension for Userscripts.

Userscripts are small scripts that modify a webpage.

To use userscripts you need a userscript manager.

History

Userscripts (2005–)



Greasemonkey



Tampermonkey



Violentmonkey



Userscripts vs bookmarks

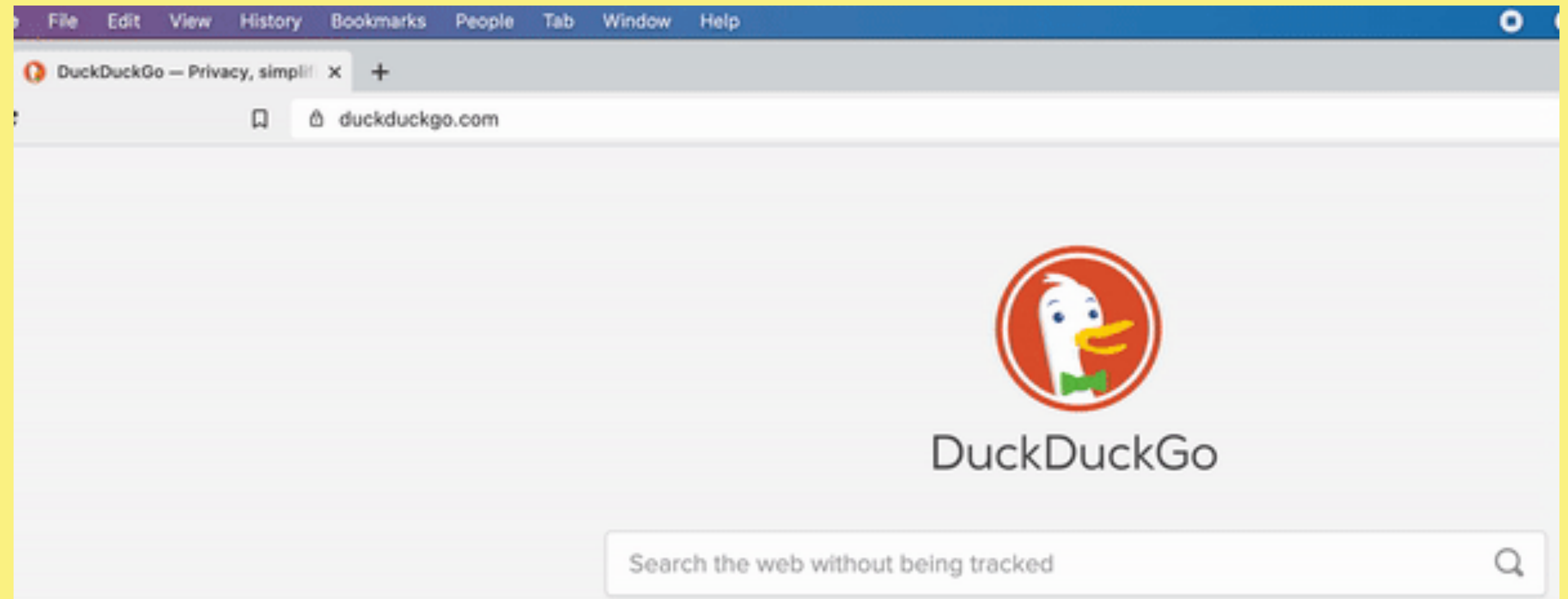
Edit bookmark

Name

hi

URL

javascript:alert("hi");



Userscripts vs bookmarks

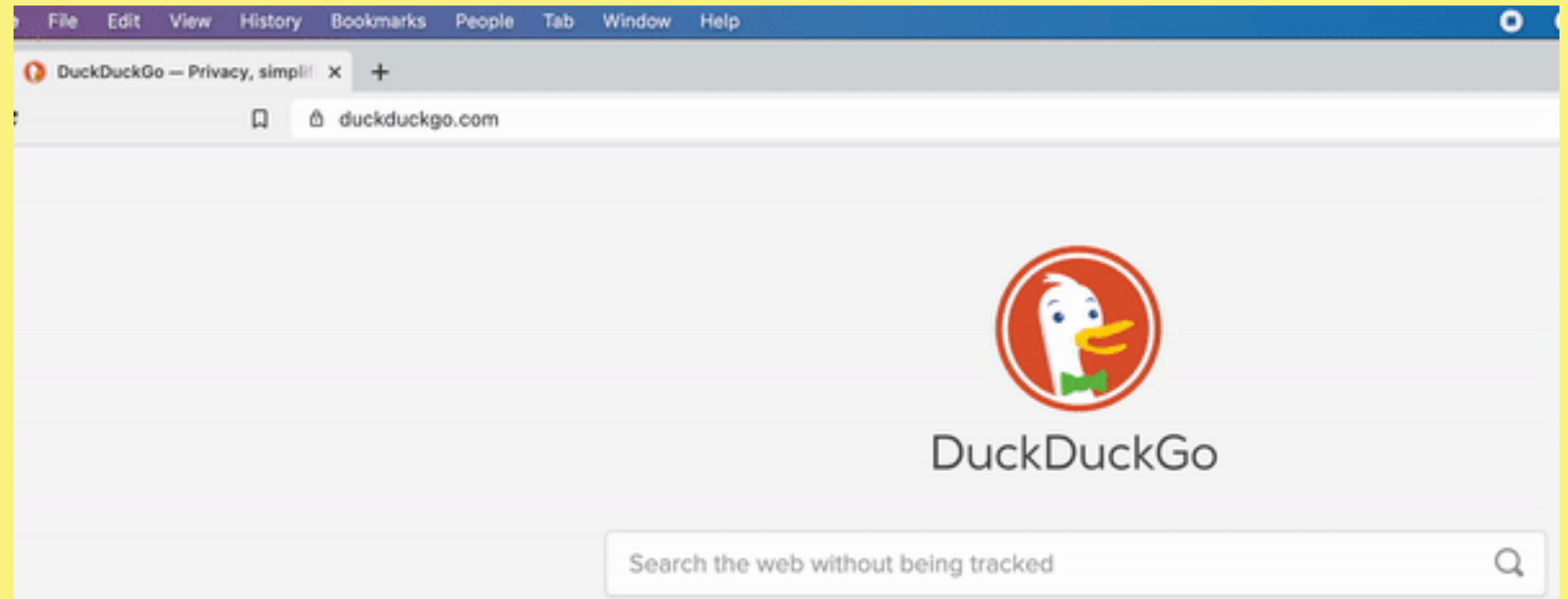
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Userscripts vs bookmarks

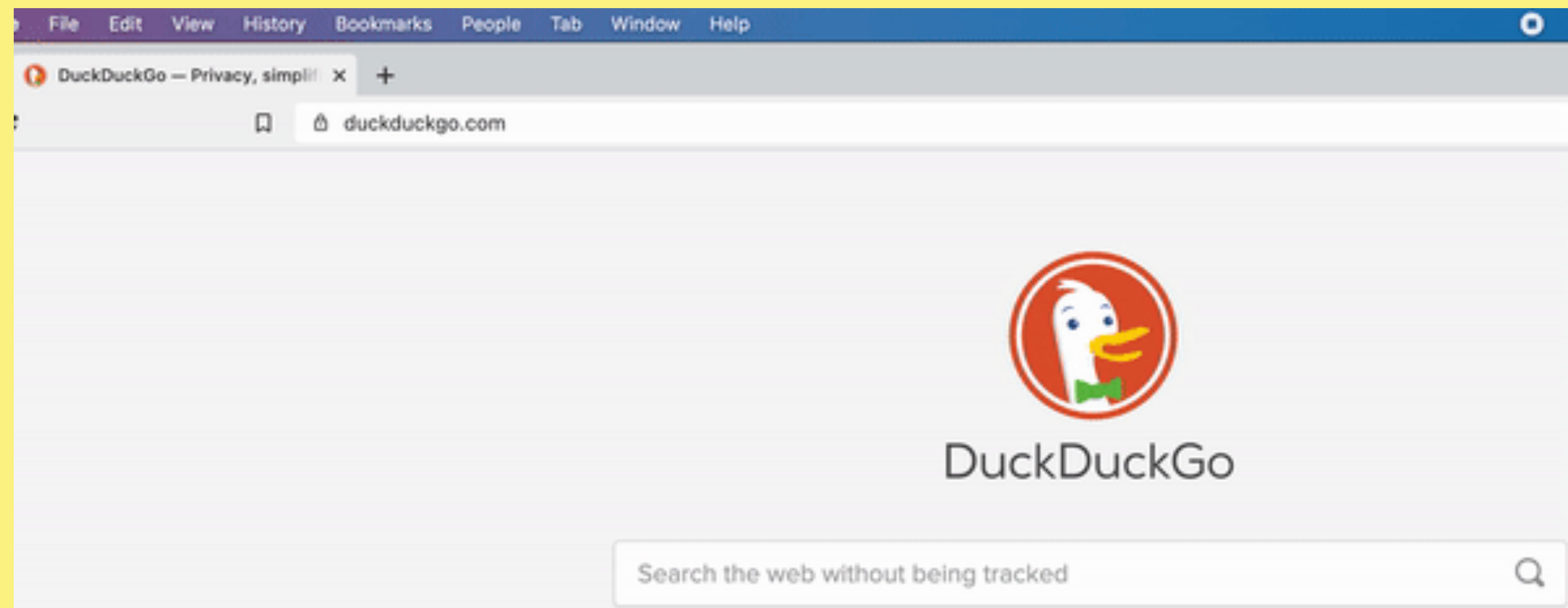
Edit bookmark

Name

hi

URL

```
javascript:alert("hi");
```



	run automatically	Size limit	Helper APIs
Userscripts	✓	∞	✓
Bookmarks	✗	Browser URL limit	✗

UserScripts API

Userscript Header

```
// ==UserScript==
// @name          New Userscript
// @namespace      http://tampermonkey.net/
// @version        0.1
// @description    try to take over the world!
// @author         You
// @match          https://wiki.greasespot.net/Greasemonkey_Manual:API
// @icon           https://www.google.com/s2/favicons?domain=greasespot.net
// @grant          none
// ==/UserScript==

(function() {
    'use strict';

    // Your code here...
})();|
```

@name

The name of the script.

Internationalization is done by adding an appendix naming the locale.

```
// @name A test  
// @name:de Ein Test
```

@namespace

The combination of namespace and name is the unique identifier for a script.

```
// @namespace https://github.com/strdr4605/
```

@description

A short significant description.

```
// @description This userscript does wonderful things
```

@author

The script version. This is used for the update check

```
// @author Dragoș Străinu (strdr4605)
```

@strdr4605

@version The script version. This is used for the update check

@updateURL An update URL for the userscript.

@downloadURL Defines the URL where the script will be downloaded
when an update was detected.

```
// @version 1.0.0  
// @updateURL https://raw.githubusercontent.com/strdr4605/...  
// @downloadURL https://raw.githubusercontent.com/strdr4605/...
```

@include

The pages on that a script should run. Multiple tag instances are allowed.

```
// @include http://www.tampermonkey.net/*  
// @include http://*  
// @include https://*  
// @include /^https:\\/\\/www\\.tampermonkey\\.net\\/.*$/  
// @include *
```


@require

Points to a JavaScript file that is loaded and executed before the script itself starts running.

```
// @require https://code.jquery.com/jquery-2.1.4.min.js
```

Let's build one

Let's build one

Idea:

Universal Copy link button

```
// ==UserScript==
// @name          Universal URL copy button
// @namespace      https://github.com/strdr4605/
// @version        1.0.0
// @description    Buttons what allow to quickly copy URL with or without title
// @author         Dragoş Străinu
// @include        http*://*
// @grant          none
// ==/UserScript==

(function() {
    'use strict';

})();
```

```
(function() {  
    'use strict';  
    const url = window.location.href;  
    const htmlTitle = document.title;  
    const documentHeader = (document.querySelectorAll('h1, h2')[0] || {}).innerText;  
  
    const copyText = `${documentHeader || htmlTitle} (${url})`;   
    const copyMDText = `[${documentHeader || htmlTitle}](${url})`;   
})();
```

```
1 const copy1 = document.createElement('button');
2 copy1.innerText = 'Copy URL';
3 copy1.onclick = () => {
4     const blobLink = new Blob(['<a href="${url}">${documentHeader || htmlTitle}</a>'], {
5         type: 'text/html'
6     })
7     const blobText = new Blob([copyText], {
8         type: 'text/plain'
9     })
10    navigator.clipboard.write([
11        new ClipboardItem({
12            [blobLink.type]: blobLink,
13            [blobText.type]: blobText
14        })
15    ]);
16 };
17 const copy2 = document.createElement('button');
18 copy2.innerText = 'Copy md URL';
19 copy2.onclick = () => {
20     navigator.clipboard.writeText(copyMDText);
21 };
22
```

...

```
const container = document.createElement('div');  
container.appendChild(copy1);  
container.appendChild(copy2);  
container.style = 'position: absolute; left: 320px; top: 0; color: black;';  
document.body.appendChild(container);
```



```
1 // ==UserScript==
2 // @name      Universal URL copy button
3 // @namespace  https://github.com/strdr4605/
4 // @version    1.0.1
5 // @description Buttons what allow to quickly copy URL with or without title
6 // @author     Dragoș Străinu
7 // @include    http*://*
8 // @grant      none
9 // ==/UserScript==
10
11 (function() {
12     'use strict';
13     const url = window.location.href;
14     const htmlTitle = document.title;
15     const documentHeader = (document.querySelectorAll('h1, h2')[0] || {}).innerText;
16
17     const copyText = `${documentHeader || htmlTitle} (${url})`;
18     const copyMDText = `[${documentHeader || htmlTitle}](${url})`;
19
20     const copy1 = document.createElement('button');
21     copy1.innerText = 'Copy URL';
22     copy1.onclick = () => {
23         const blobLink = new Blob(['<a href="${url}">${documentHeader || htmlTitle}</a>'], {
24             type: 'text/html'
25         })
26         const blobText = new Blob([copyText], {
27             type: 'text/plain'
28         })
29         navigator.clipboard.write([
30             new ClipboardItem({
31                 [blobLink.type]: blobLink,
32                 [blobText.type]: blobText
33             })
34         ]);
35     };
36     const copy2 = document.createElement('button');
37     copy2.innerText = 'Copy md URL';
38     copy2.onclick = () => {
39         navigator.clipboard.writeText(copyMDText);
40     };
41
42     const container = document.createElement('div');
43     container.appendChild(copy1);
44     container.appendChild(copy2);
45     container.style = 'position: absolute; left: 320px; top: 0; color: black;';
46     document.body.appendChild(container);
47 })();
```

Installation

https://gist.github.com/strdr4605/f3d409f489eed76d0cf55784a6e871fa/raw/3d505c1d312dc289345fe4fa8f76310fa7f5eda0/Universal_URL_copy_button.user.js

Where to get

Search on google: Userscripts <some_website>

Search on <https://github.com>

<https://github.com/Mottie/GitHub-userscripts>

<https://greasyfork.org/en>

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<https://greasyfork.org/en/users/213-drakulaboy>

(37 userscripts for Torrentsmd, odnoklassniki)

Thank you!

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