

# What is SelectorsHub?

SelectorsHub is a **browser extension** used by automation testers to easily generate and validate **XPath**, **CSS Selectors**, and other element locators for Selenium, Playwright, Cypress, WebDriverIO, and other automation tools.

It is developed specifically to solve problems faced during writing complex locators.

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## Why is SelectorsHub used?

SelectorsHub is used because:

### a) It helps generate accurate XPath/CSS selectors automatically

Instead of writing XPaths manually, SelectorsHub suggests correct and unique locators.

### b) It reduces time spent on identifying elements

You don't need to inspect deeply or guess locators — the extension shows the best one instantly.

### c) It shows all attributes of the element clearly

This helps testers choose clean and reliable locators.

### d) It validates XPaths and CSS in real-time

You can type or paste an XPath/CSS selector and instantly check:

- whether it matches any element
- how many elements match
- accuracy of the locator

### e) It supports advanced locators

Like:

- Shadow DOM selectors
- SVG element selectors
- iFrame handling
- Relative XPath

### f) It avoids wrong and auto-generated XPaths

Unlike browser DevTools which sometimes show long, unreliable XPaths, SelectorsHub gives stable ones.

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## Why should testers use SelectorsHub?

Because it helps:

- Write **clean, short, maintainable** locators
- Prevent flaky tests caused by weak locators
- Speed up automation development
- Easily test and debug selectors
- Handle complex UI structures like dynamic elements, iFrames, and shadow roots

It is especially useful for beginners because it saves a lot of trial-and-error time.