

Installation of Katalon studio : Installation and setup, web locators & Techniques, Selectors hub and browsers dev tools

Installation of Katalon Studio

Download Katalon Studio:

- Go to the official website and download the latest version.
2. **Extract and Install:**
 - Unzip the downloaded file.
 - No installation is required. Just open the extracted folder and run **Katalon.exe** (Windows) or **Katalon** (Mac).
3. **Login and Activation:**
 - Create a free Katalon account and log in.
 - Activate the software using your account.

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Selectors Hub & Browser Dev Tools

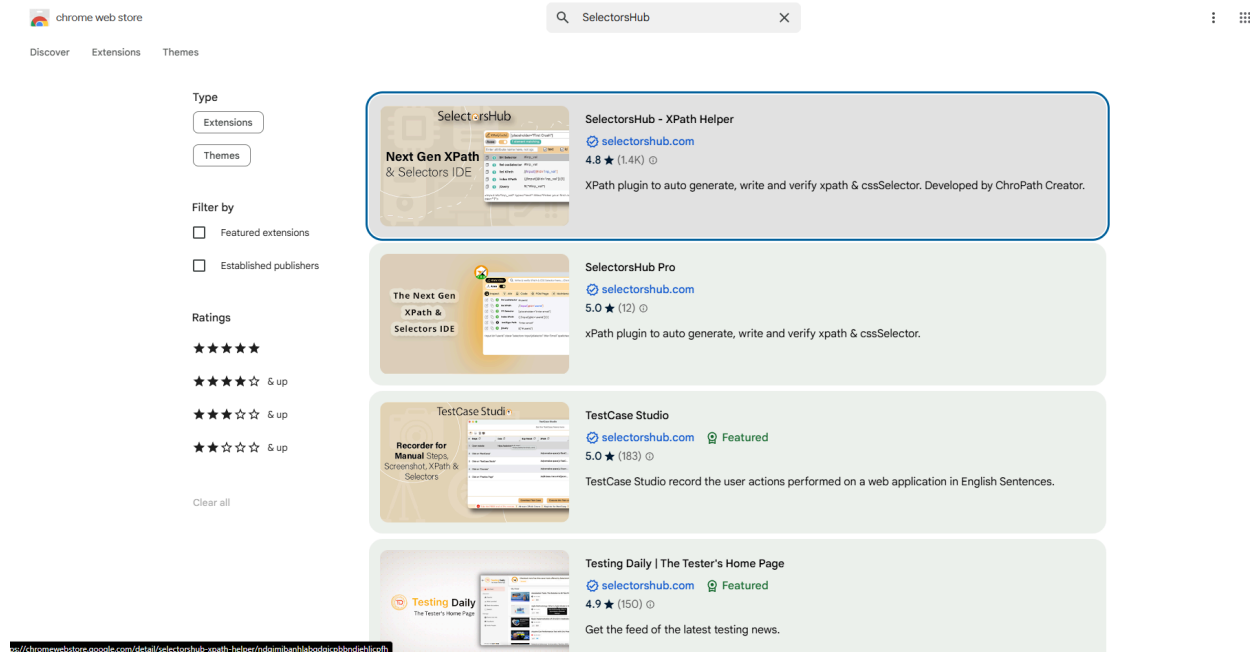
Selectors Hub is a powerful Chrome extension for creating robust XPath and CSS Selectors.

Installation of Selectors Hub:

1. Open Chrome Web Store.
2. Search for **SelectorsHub**.
3. Click **Add to Chrome**.

Using Browser Dev Tools for Locators:

1. Open Chrome.
2. Press **F12** or **Right-click** → **Inspect**.
3. Use the **Elements** tab to find elements.
4. Right-click on an element → Copy **XPath** or **CSS Selector**.
5. Validate in **Selectors Hub** to check uniqueness.



Web locators are essential for identifying UI elements during automation.

Common Locator Strategies:

- **ID:** `id="username"` (Fastest and most reliable)
- **Class Name:** `class="btn-primary"`
- **Name Attribute:** `name="password"`
- **Tag Name:** `tagName("input")`
- **Link Text:** `linkText("Click Here")`
- **Partial Link Text:** `partialLinkText("Click")`
- **CSS Selector:** `cssSelector("#loginButton")`
- **XPath:** `xpath="//input[@id='email']"`

Best Practices:

- Prefer **ID** over **XPath** (faster execution).
- Use **CSS Selectors** for better performance.

- Avoid absolute XPath (`/html/body/...`), use relative XPath (`//div[@class='login-form']`).

