

ScreenShots /Chrome Options

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- 1)Full Page.
- 2)Specific Area of the page.
- 3)Web Element.

In selenium WebDriver it is provided some default class options for below classes

ChromeOptions
EdgeOptions
FirefoxOptions

What is the use of options class?

By using these we can control the settings of the browser

ChromeOptions

By using this class we can achieve head less testing

- 1)Headless testing-without seeing any actions on UI just execute test cases in the backend.

Advantages:

- 1)We can do multiple tasks(since execution happens backend)
- 2)faster execution

Disadvantages

- 1)User cannot see the actions on the page .so he cannot understand flow /functionality of the test.

- 2)SSL Handling -secure socket layers

--> Its a kind of certificate required to browse particular web applications.

SSL cannot defaultly handled by our automation script.

```
ChromeOptions options=new ChromeOptions();  
options.setAcceptInsecureCerts(true); //accepts SSL Certificates
```

- 3) To remove "Chrome is being controlled by automated test software"

```
ChromeOptions options=new ChromeOptions();  
options.setExperimentalOption("excludeSwitches", new String[]  
{ "enable-automation" });
```

- 4) RunTestsIncognitomode

```
ChromeOptions options=new ChromeOptions();  
options.addArguments("--incognito");
```

- 5) Normally we can only see the extensions when we open the browser manually but we can't see these extension when we open through automation script.

By overcoming this and we have to enable these extension and they should appear even when we open browser through automation script.

We can block ads by using add blocker Extension.

We can not directly block adds through our automation Script.

What we have to do is for blocking adds is we have to enable the add blocker extension by using automation script.

Enable Extension s in browser()

Step1: Add CRX Extractor/Downloader to chrome browser(manually) which get crx file for installing the extension.

Step2: Add Selectors Hub plugin to chrome browser(manually)

Step3: Capture CRX file for selectors Hub extension.

Step4: pass CRX file path in automation script in chrome options

Enable browser extension in runtime

```
ChromeOptions options =new ChromeOptions();
```

```
File file=new File("C:\\Users\\Lenovo Laptop\\Documents\\uBlock.crx");
```

How to block adds on the page

uBlock-Origin

AddBlocker