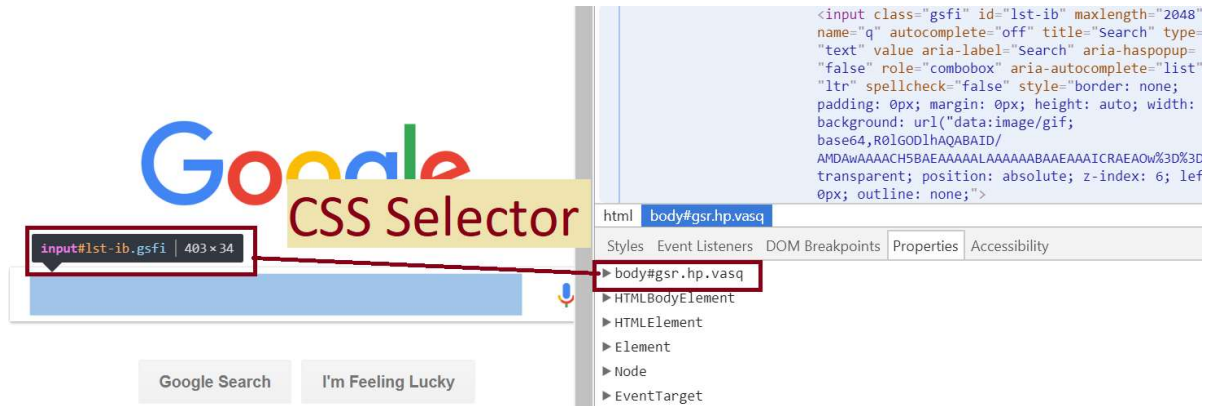# Getting Started

chromedriver.exe does *not* come w/ Selenium; easy to just google and download

```
In [1]: from selenium import webdriver

        path_to_chromedriver = '../src/chromedriver.exe'
        browser = webdriver.Chrome(path_to_chromedriver)
        url_requires_http = 'https://www.google.com'
        browser.get(url_requires_http)
```


css selector = tag#id.class[attribute=value]

```
In [2]: search_bar = browser.find_element_by_css_selector("input#lst-ib.gsfi[title = 'Search']")
        search_bar.send_keys('text')
        search_bar.submit()
        # or browser.find_element_by_css_selector("input[value='Google Search']").click()
```

```
In [3]: ## /: selects fr the root node ;'/head' does NOT work, '/html/head' works
        ## .//: select fr current node
        abs_path = 'html/head'
        relative_path = './/head'
        list_of_elems_in_node = browser.find_elements_by_xpath(relative_path)
```

find_element vs find_elementS

```
In [4]: first_elem = browser.find_element_by_xpath(relative_path)
```

```
In [5]: divs_elems_in_first_elem = first_elem.find_elements_by_xpath('.//div')
```

```
In [6]: from selenium.webdriver.common.keys import Keys
        def open_new_tab(anchor_elem):
            anchor_elem.send_keys(Keys.CONTROL + Keys.RETURN)
        open_windows_tabs = browser.window_handles
        newest_window_tab = open_windows_tabs[-1]
        browser.switch_to_window(newest_window_tab)
```

```
In [7]: browser.current_url; browser.page_source; browser.window_handles;
```

```
In [8]: def show_attr(elements):
            for e in elements:
                attr = ['class', 'name', 'id', 'title']
                for i, attr in enumerate(attr):
                    print(i)
                    print(attr, '=', e.get_attribute(attr))
            text_btwn_tags = e.text; print(text_btwn_tags)
```