

6:37 AM

Selenium Locators

Types of Locators

- We can identify various elements on the web using **Locators**.
- Locators are addresses that identify a web element uniquely within the page.

```
graph TD; Locators[Locators] --> id[id]; Locators --> name[name]; Locators --> LinkText[LinkText  
PartialLinkText]; Locators --> ClassName[ClassName]; Locators --> TagName[TagName]; CustomizedLocators[Customized Locators] --> TagAndID["• Tag and ID  
• Tag and Class  
• Tag and attribute  
• Tag, class and attribute"]; CustomizedLocators --> CSSSelector[CSS Selector]; CustomizedLocators --> XPath[XPath]; XPath --> AbsoluteXPath["• Absolute XPath  
• Relative XPath"];
```

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Back Alt+Left Arrow
Forward Alt+Right Arrow
Reload Ctrl+R

Save as... Ctrl+S
Print... Ctrl+P
Cast...
Translate to English

AdBlock — best ad blocker
Shorten Link and Copy
Video DownloadHelper

View page source Ctrl+U
Inspect Ctrl+Shift+I

100+ Countries

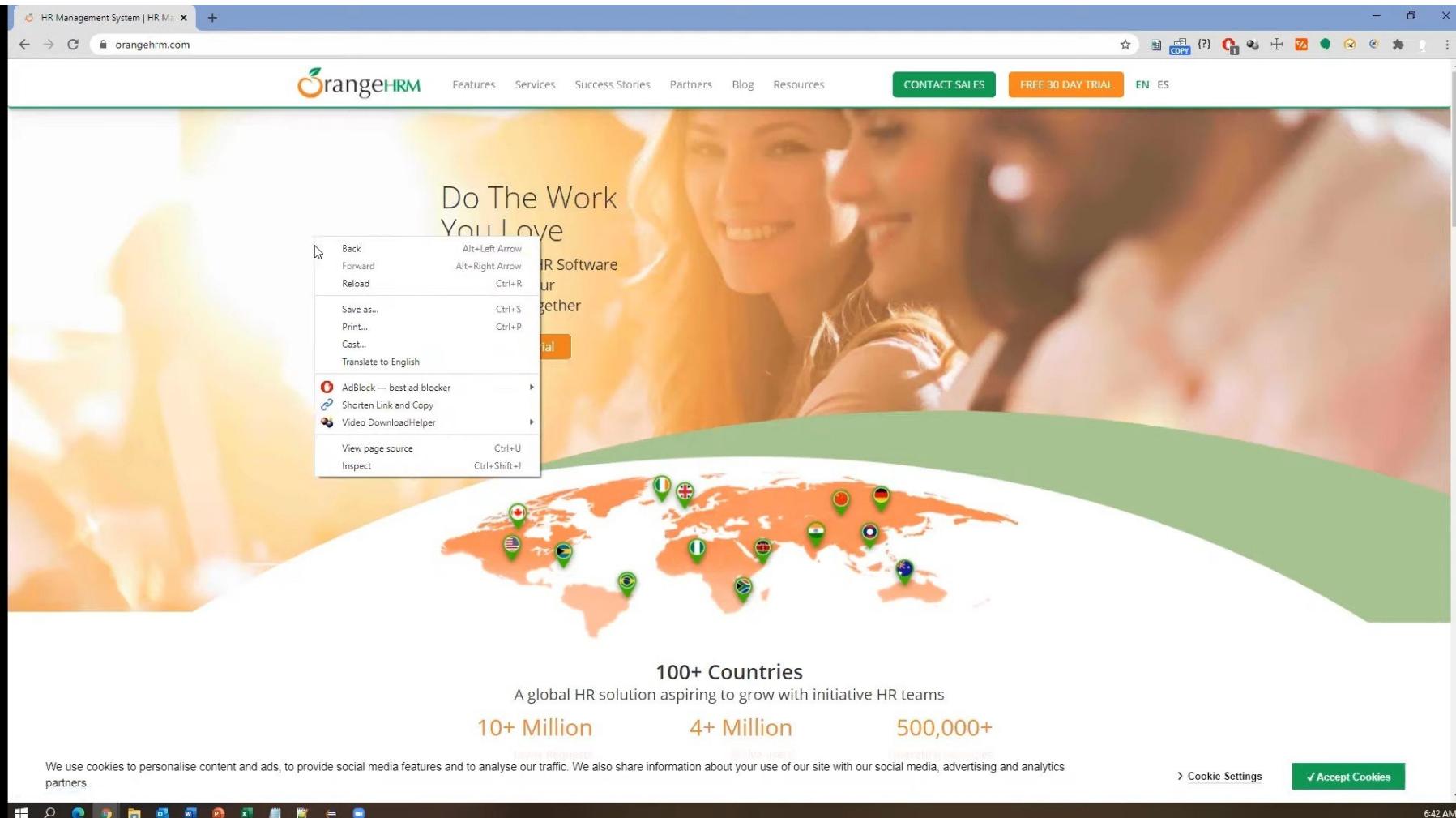
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642 AM



Selenium Locators

HTML Structure

LOGIN Panel

```
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en">
<head>...
</head>
<body>
  <div id="wrapper">
    <div id="content">
      <style type="text/css">...</style>
      <div id="divLogin">
        <div id="divLogo">...</div>
        <form id="frmLogin" method="post" action="/index.php/auth/validateCredentials">
          <div id="logInPanelHeading">LOGIN Panel</div>
          <div id="divUsername" class="textInputContainer">
            <input name="txtUsername" id="txtUsername" type="text">
            <span class="form-hint">Username</span>
          </div>
          <div id="divPassword" class="textInputContainer">
            <input name="txtPassword" id="txtPassword" type="password">
            <span class="form-hint">Password</span>
          </div>
          <div id="divLoginHelpLink">...</div>
          <div id="divLoginButton">
            <input type="submit" name="Submit" class="button" id="btnLogin" value="LOGIN">
          </div>
        </form>
      </div>
    </div>
  </div>
</body>
</html>
```

Element Attribute Value

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Selenium Locators

ID

<http://automationpractice.com/index.php>

The slide contains a search bar with the text "T-shirt". Below the search bar is the following HTML code:

```
<input class="search_query form-control ac_input" type="text" id="search_query_top" name="search_query" placeholder="Search" value="autocomplete="off"> == $0
```

Below the code is the Java code:

```
driver.findElement(By.id("search_query_top")).sendKeys("T-shirt");
```

At the bottom of the slide, there is a watermark: WWW.PAYANONLINETRAININGS.COM

Locators

Type of locators

HTML Structure

Locator

Slide 5 of 26

Notes Comments

116% 649 AM



Locators-updated.pptx - PowerPoint

File Home Insert Design Transitions Animations Slide Show Review View Help Tell me what you want to do

Cut Copy Paste Format Painter Clipboard Slides Font Paragraph Drawing Editing

Font Size: 18 A A Text Direction: Align Text: Convert to SmartArt: Drawing Tools

Layout New Slide Reset Section

Clipboard Slides

Font Paragraph Drawing Editing

Locators

- Locators
- New
- Section
- Section
- Section
- Section
- Section

HTML Snapshot

TOP SELLERS

Printed Chiffon Dress
Printed chiffon knee length dress with tank straps. Deep v-neckline.
\$16.40

Faded Short Sleeve T-shirts
Faded short sleeve t-shirt with high neckline. Soft and stretchy...
\$16.51

Printed Chiffon Dress
 == \$0

driver.findElement(By.linkText("Printed Chiffon Dress")).click();
driver.findElement(By.partialLinkText("Chiffon Dress")).click();

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Slide 7 of 26

Notes Comments

116% 6:53 AM

The screenshot shows a Microsoft PowerPoint slide titled "Link Text / Partial Link Text". The slide content includes a screenshot of a web page displaying "TOP SELLERS" items. One item, "Printed Chiffon Dress", is highlighted with a red box. Below the slide, two lines of Java code are shown, demonstrating how to click on the link text and partial link text of the highlighted item. The status bar at the bottom shows "116%" and the time "6:53 AM".



Locators-updated.pptx - PowerPoint

File Home Insert Design Transitions Animations Slide Show Review View Help Tell me what you want to do

Cut Copy Format Painter Paste Clipboard Slides Layout New Slide Section

Font Paragraph Drawing

Find Replace Select Editing

Link Text / Partial Link Text

TOP SELLERS

Printed Chiffon Dress
Printed chiffon knee length dress with tank straps. Deep v-neckline.

\$16.40

Faded Short Sleeve T-shirts
Faded short sleeve t-shirt with high neckline. Soft and stretchy...

\$16.51

 Printed Chiffon Dress == \$0

```
driver.findElement(By.linkText("Printed Chiffon Dress")).click();
driver.findElement(By.partialLinkText("Chiffon Dress")).click();
```

www.PavanOnlineTrainings.com

Slide 7 of 26

Notes Comments

116% 6:55 AM



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Search

Cart 2 Products

WOMEN DRESSES T-SHIRTS

EXCEPTEUR OCCAECAT
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin tristique in tortor et dignissim. Quisque non tempor leo. Maecenas egestas sem elit
[SHOP NOW !](#)

3 DAYS SALE GET UP TO 25% OFF

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POPULAR BEST SELLERS

6:58 AM

javaselenium_workspace - seleniumwebdriver/src/locators/LocatorsDemo1.java - Eclipse IDE

```
File Edit Source Refactor Navigate Search Project Run Window Help
LocatorsDemo1.java

5 import org.openqa.selenium.WebElement;
6 import org.openqa.selenium.chrome.ChromeDriver;
7
8 public class LocatorsDemo1 {
9
10    public static void main(String[] args) {
11
12        System.setProperty("webdriver.chrome.driver","C:\\\\Drivers\\\\chromedriver_win32\\\\chromedriver.exe");
13        WebDriver driver=new ChromeDriver();
14        driver.get("http://automationpractice.com/index.php");
15
16        driver.manage().window().maximize(); // maximize web page
17
18
19        // id & name locators
20        WebElement searchbox=driver.findElement(By.id("search_query_top"));
21        searchbox.sendKeys("T-shirts");
22
23        driver.findElement(By.name("submit_search")).click();
24
25        //linkText & partial linkText
26        //driver.findElement(By.linkText("Printed Chiffon Dress")).click();
27        driver.findElement(By.partialLinkText("Chiffon Dress")).click();
28
29    }
30
31 }
32
```



The screenshot shows a Microsoft PowerPoint presentation titled "Locators-updated.pptx - PowerPoint". The slide content includes:

- A title "Locators" at the top.
- A horizontal blue line with circular endpoints, intersected by a vertical dotted line connecting the center of a magnifying glass icon to a bulleted list.
- A bulleted list of locator types:
 - id
 - name
 - linkText
 - Partial LinkText
 - class
 - TagName
- A footer with the URL "www.pavanonlinetrainings.com".

The "Drawing Tools" ribbon tab is currently selected. The left sidebar displays a list of slides from 3 to 8, each with a thumbnail preview.

The screenshot shows a Microsoft PowerPoint slide titled "Locators". On the left, there is a vertical ribbon of thumbnails for other slides, each showing a different aspect of locators. The main slide content includes a bulleted list of locator attributes: "id", "name", "linkText", "Partial LinkText", "class", and "TagName". To the right of this list, there is a large amount of handwritten red text that appears to be a summary or note of the listed items. The text is somewhat illegible but includes words like "This is a", "border", "elements", "values", and "tags". At the bottom of the slide, there is a watermark for "www.PavanOnlineTrainings.com".

Free Online Whiteboard My Store Not secure | automationpractice.com/index.php

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Your Logo Search Cart 2

WOMEN DRESSES T-SHIRTS

li.homeslider-container 480 x 276.03

EXCEPTEUR OCCAECAT
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin tristique in tortor et dignissim. Quisque non tempor leo. Maecenas egestas sem elit.

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POPULAR BEST SELLERS

Faded Short Sleeve T-shirts Blouse Printed Dress

Elements Console Sources Network Performance Memory

Styles

```
:hover .cls + element.style { float: left; list-style-type: none; position: relative; width: 480px; }
```

```
element.style { position: relative; width: 480px; }
```

```
homeslider.css:... #homepage-slider .homeslider-container { position: relative; }
```

```
htm global.css:14 l, body, div, span, applet, object, iframe, h1, h2, h3, h4, h5, h6, p, blockquote, pre, a, abbr, acronym, address, big, cite, code, del, dfn, em, img, ins, kbd, q, s, samp, small, strike, strong, sub, sup, tt, var, b, u, i, center, dl, dt, dd, ol, ul, li, fieldset, form, label, legend, table, caption, tbody, tfoot, thead, tr, th, td, article, aside.
```

7:17 AM

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li.homeslider-container 480 x 276.03

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Faded Short Sleeve T-shirts Blouse Printed Dress

Elements Console Sources Network Performance Memory

Styles

```

: hover .cls + element.style {
    float: left;
    list-style-type: none;
    position: relative;
    width: 480px;
}

element.style {
    position: relative;
    width: 480px;
}

homeslider.css:...
#homepage-slider .homeslider-container {
    position: relative;
}

htm global.css:14
l, body, div, span, applet, object, iframe, h1, h2, h3, h4, h5, h6, p, blockquote, pre, a, abbr, acronym, address, big, cite, code, del, dfn, em, img, ins, kbd, q, s, samp, small, strike, strong, sub, sup, tt, var, b, u, i, center, dl, dt, dd, ol, ul, li, fieldset, form, label, legend, table, caption, tbody, tfoot, thead, tr, th, td, article, aside.

```

7:17 AM

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Cart 2

WOMEN DRESSES T-SHIRTS

li.homeslider-container.bx-clone 480 x 276.03

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SHOP NOW!

POPULAR BEST SELLERS

Faded Short Sleeve T-shirts

Blouse

Printed Dress

Elements Console Sources Network Performance Memory

Styles

```

: hover .cls {
    float: left;
    list-style-type: none;
    position: relative;
    width: 480px;
}

.homeslider.css... #homepage-slider .homeslider-container {
    position: relative;
}

.htm global.css:14 l, body, div, span, applet, object, iframe, h1, h2, h3, h4, h5, h6, p, blockquote, pre, a, abbr, acronym, address, big, cite, code, del, dfn, em, img, ins, kbd, q, s, samp, small, strike, strong, sub, sup, tt, var, b, u, i, center, dl, dt, dd, ol, ul, li, fieldset, form, label, legend, table, caption, tbody, tfoot, thead, tr, th, td, article, aside.

```

#homepage-slider div div #homeslider li.homeslider-container.bx-clone

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Search

Cart 2

WOMEN DRESSES T-SHIRTS

li.homeslider-container.bx-clone 480 x 276.03

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POPULAR BEST SELLERS

Faded Short Sleeve T-shirts

Blouse

Printed Dress

Elements Console Sources Network Performance Memory

Styles

:hov .cls

element.style { float: left; list-style-type: none; position: relative; width: 480px; }

homelider.css... #homepage-slider .homeslider-container { position: relative; }

global.css:14 l, body, div, span, applet, object, iframe, h1, h2, h3, h4, h5, h6, p, blockquote, pre, a, abbr, acronym, address, big, cite, code, del, dfn, em, img, ins, kbd, q, s, samp, small, strike, strong, sub, sup, tt, var, b, u, i, center, dl, dt, dd, ol, ul, li, fieldset, form, label, legend, table, caption, tbody, tfoot, thead, tr, th, td, article, aside.

bx-viewport

bx-wrapper

homeslider

homeslider-container bx-clone

bx-control

bx-has-controls-direction

htmlcontent_top

row

row

column

bx-viewport

bx-wrapper

homeslider

homeslider-container bx-clone

bx-control

bx-has-controls-direction

htmlcontent_top

row

row

column

javaselenium_workspace - seleniumwebdriver/src/locators/LocatorsDemo2.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

JavaTraining

seleniumwebdriver

JRE System Library [JavaSE-1.8]

src

locators

LocatorsDemo1.java

LocatorsDemo2.java

session14

Referenced Libraries

```
1 package locators;
2
3 import org.openqa.selenium.By;
4 import org.openqa.selenium.WebDriver;
5 import org.openqa.selenium.chrome.ChromeDriver;
6
7 public class LocatorsDemo2 {
8
9     public static void main(String[] args) {
10
11         System.setProperty("webdriver.chrome.driver","C:\\\\Drivers\\\\chromedriver_win32\\\\chromedriver.exe");
12         WebDriver driver=new ChromeDriver();
13         driver.get("http://automationpractice.com/index.php");
14
15         driver.manage().window().maximize(); // maximize web page
16
17         driver.findElements(By.className("homeslider-container"));
18     }
19 }
20
21 }
22
```

Writable Smart Insert 17:67:550

7:23 AM



javaselenium_workspace - seleniumwebdriver/src/locators/LocatorsDemo2.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer LocatorsDemo2.java

```
1 package locators;
2
3 import org.openqa.selenium.By;
4 import org.openqa.selenium.WebDriver;
5 import org.openqa.selenium.chrome.ChromeDriver;
6
7 public class LocatorsDemo2 {
8
9     public static void main(String[] args) {
10
11         System.setProperty("webdriver.chrome.driver","C:\\\\Drivers\\\\chromedriver_win32\\\\chromedriver.exe");
12         WebDriver driver=new ChromeDriver();
13         driver.get("http://automationpractice.com/index.php");
14
15         driver.manage().window().maximize(); // maximize web page
16
17         driver.findElements(By.className("homeslider-container")).size();
18
19     }
20
21 }
22
```

Writable Smart Insert 17: 9 [57] 7:24 AM



javaselenium_workspace - seleniumwebdriver/src/locators/LocatorsDemo2.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

LocatorsDemo2.java

```
14
15         driver.manage().window().maximize(); // maximize web page
16
17     //className
18     int sliders=driver.findElements(By.className("homeslider-container")).size();
19     System.out.println(sliders);
20
21     //TagName
22     int links=driver.findElements(By.tagName("a")).size();
23     System.out.println(links);
24 }
25
26 }
27
```

Console

```
LocatorsDemo2 [Java Application] C:\Program Files\Java\jre1.8.0_202\bin\javaw.exe (Sep 15, 2020, 7:29:19 AM)
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.
Starting ChromeDriver 85.0.4183.87 (cd6713ebf92fa1cacc0f1a598df280093af0c5d7-refs/branch-heads/4183@{#168}.
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Sep 15, 2020 7:29:27 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
5
149
```

Writable Smart Insert 22 : 55 [36]

7:30 AM



javaselenium_workspace - seleniumwebdriver/src/locators/LocatorsDemo2.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

LocatorsDemo2.java

```
14
15         driver.manage().window().maximize(); // maximize web page
16
17     //className
18     int sliders=driver.findElements(By.className("homeslider-container")).size();
19     System.out.println(sliders);
20
21     //TagName
22     int links=driver.findElements(By.tagName("a")).size();
23     System.out.println(links);
24 }
25
26 }
27 }
```

Locators + var

Console

```
LocatorsDemo2 [Java Application] C:\Program Files\Java\jre1.8.0_202\bin\javaw.exe (Sep 15, 2020, 7:29:19 AM)
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.
Starting ChromeDriver 85.0.4183.87 (cd673bebf07d3a1cacc0f1a598df280093af0c5d7-refs/branch-heads/4183@{#168}.
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Sep 15, 2020 7:29:27 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
5
149
```

Writable Smart Insert 22:55 [36]

7:30 AM



Selenium Locators

Types of Locators

- We can identify various elements on the web using **Locators**.
- Locators are addresses that identify a web element uniquely within the page.

```

graph TD
    Locators[Locators] --> id[id]
    Locators --> name[name]
    Locators --> LinkText[LinkText  
PartialLinkText]
    Locators --> ClassName[ClassName]
    Locators --> TagName[TagName]
    Locators --> CustomizedLocators[Customized Locators]
    Locators --> CSSSelector[CSS Selector]
    Locators --> XPath[XPath]
    
    CustomizedLocators --> CSSSelector
    CustomizedLocators --> XPath
    
    XPath --> AbsoluteXPath[Absolute XPath]
    XPath --> RelativeXPath[Relative XPath]
  
```

Locators

- id
- name
- LinkText
PartialLinkText
- ClassName
- TagName
- Customized Locators
- CSS Selector
- XPath

Customized Locators

- Tag and ID
- Tag and Class
- Tag and attribute
- Tag, class and attribute

Absolute XPath

Relative XPath

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Password

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Sign Up Log In Messenger Facebook Lite Watch People Pages Page categories Places Games Locations Marketplace Facebook Pay Groups

Oculus Portal Instagram Local Fundraisers Services Voting Information Center About Create ad Create Page Developers Careers Privacy

Cookies AdChoices Terms Help

Facebook © 2020

7:32 AM

The screenshot shows a Microsoft PowerPoint presentation titled "Locators-updated.pptx - PowerPoint". The slide number is 11 of 26. The slide content is as follows:

CSS Selector - Cascading Style Sheets

- Tag & ID (OR) #id
- Tag & class (OR) .class
- Tag & attribute (OR) [attribute=value]
- Tag , class & attribute

At the bottom of the slide, the URL WWW.PAVANONLINETRAININGS.COM is displayed.

The ribbon tabs at the top are: File, Home, Insert, Design, Transitions, Animations, Slide Show, Review, View, Help, and Drawing Tools. The "Drawing Tools" tab is selected. The left sidebar shows a list of slides from 7 to 12, with slide 11 highlighted. The status bar at the bottom right shows the date and time: 7:33 AM.

Locators-updated.pptx - PowerPoint

File Home Insert Design Transitions Animations Slide Show Review View Help Tell me what you want to do

Cut Copy Format Painter Paste New Slide Section Clipboard Slides Font Paragraph Drawing Editing

8

9

10

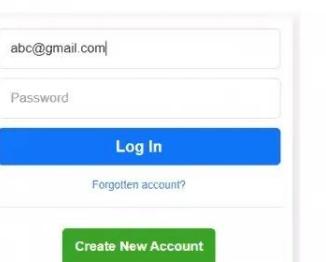
11

12

13

CSS Selector – Tag and ID

<https://www.facebook.com/>



```
<input type="text" class="inputtext _55r1 _6luy" name="email" id="email" data-testid="royal_email" placeholder="Email address or phone number" autofocus="1" aria-label="Email address or phone number"> == $0
```

driver.findElement(By.cssSelector("#email")).sendKeys("abc@gmail.com");

(or)

driver.findElement(By.cssSelector("input#email")).sendKeys("abc@gmail.com");

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Slide 12 of 26

Sign In Share

Locators-updated.pptx - PowerPoint

File Home Insert Design Transitions Animations Slide Show Review View Help Tell me what you want to do

Cut Copy Format Painter Paste New Slide Section Clipboard Slides

Font Paragraph Drawing Editing

8

9

10

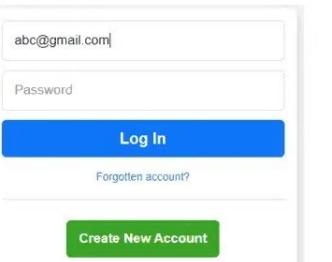
11

12

13

CSS Selector – Tag and ID

<https://www.facebook.com/>



```
<input type="text" class="inputtext _55r1 _6luy" name="email" id="email" data-testid="royal_email" placeholder="Email address or phone number" autofocus="1" aria-label="Email address or phone number"> == $0
```

driver.findElement(By.cssSelector("#email")).sendKeys("abc@gmail.com");

(or)

driver.findElement(By.cssSelector("input#email")).sendKeys("abc@gmail.com");

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Slide 12 of 26

Sign in Share

Locators-updated.pptx - PowerPoint

File Home Insert Design Transitions Animations Slide Show Review View Help Tell me what you want to do

Cut Copy Format Painter Paste New Slide Section Clipboard Slides Font Paragraph Drawing Editing

8

9

10

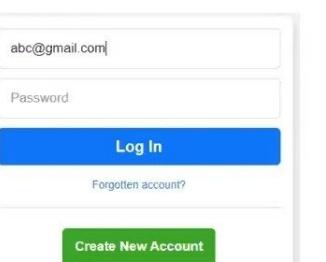
11

12

13

CSS Selector – Tag and ID

https://www.facebook.com/



abc@gmail.com

+

```
<input type="text" class="inputtext _55r1 _6luy" name="email" id="email" data-testid="royal_email" placeholder="Email address or phone number" autofocus="1" aria-label="Email address or phone number"> == $0
```

driver.findElement(By.cssSelector("#email")).sendKeys("abc@gmail.com");

(or)

driver.findElement(By.cssSelector("input#email")).sendKeys("abc@gmail.com");

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Copy & Insert

Locators-updated.pptx - PowerPoint

File Home Insert Design Transitions Animations Slide Show Review View Help Tell me what you want to do

CSS Selector – Tag and ID

https://www.facebook.com/

abc@gmail.com|
Password
Log In
Forgotten account?
Create New Account

<input type="text" class="inputtext _55r1 _6luy" name="email" id="email" data-testid="royal_email" placeholder="Email address or phone number" autofocus="1" aria-label="Email address or phone number"> == \$0

driver.findElement(By.cssSelector("#email")).sendKeys("abc@gmail.com");

(or)

driver.findElement(By.cssSelector("input#email")).sendKeys("abc@gmail.com");

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Slide 12 of 26

Notes Comments

7:33 AM

CSS Selector – Tag and Class

<https://www.facebook.com/>

```
abc@gmail.com  
Password  
Log In  
Forgotten account?  
Create New Account  
 == $0  
  
driver.findElement(By.cssSelector(".inputtext")).sendKeys("abc@gmail.com");  
driver.findElement(By.cssSelector("input.inputtext")).sendKeys("abc@gmail.com");
```

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Locators-updated.pptx - PowerPoint

File Home Insert Design Transitions Animations Slide Show Review View Help Format Tell me what you want to do

CSS Selectors

Clipboard Slides Font Paragraph Drawing Editing

10 CSS Selectors

11 CSS Selector – Using class attribute

12 CSS Selector – Using tag and ID

13 CSS Selector – Using and Child

14 CSS Selector – Tag and Attribute

15 CSS Selector – Tag, class and attribute

CSS Selector – Tag and Attribute

<https://www.facebook.com/>

abc@gmail.com|
Password
Log In
Forgotten account?
Create New Account

```
<input type="text" class="inputtext _55r1 _6luy" name="email" id="email" data-testid="royal_email" placeholder="Email address or phone number" autofocus="1" aria-label="Email address or phone number"> == $0
```

driver.findElement(By.cssSelector("[name=email]")).sendKeys("abc@gmail.com");

(or)

driver.findElement(By.cssSelector("input[name=email]")).sendKeys("abc@gmail.com");

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Slide 14 of 26

Notes Comments

116% 7:38 AM



Locators-updated.pptx - PowerPoint

File Home Insert Design Transitions Animations Slide Show Review View Help Format Tell me what you want to do

CSS Selectors

CSS Selector – Creating style sheet

CSS Selector – Tag and ID

CSS Selector – Tag and Class

CSS Selector – Tag, class and attribute

CSS Selector – Tag, class and attribute

Slide 10 of 26

CSS Selector – Tag and Attribute

https://www.facebook.com/

abc@gmail.com

Password

Log In

Forgotten account?

Create New Account

```
<input type="text" class="inputtext _55r1 _6luy" name="email" id="email" data-testid="royal_email" placeholder="Email address or phone number" autofocus="1" aria-label="Email address or phone number"> == $0
```

driver.findElement(By.cssSelector("[name=email])).sendKeys("abc@gmail.com");

(or)

driver.findElement(By.cssSelector("input[name=email]")).sendKeys("abc@gmail.com");

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Sign in Share

Notes Comments

116% 7:39 AM



Locators-updated.pptx - PowerPoint

File Home Insert Design Transitions Animations Slide Show Review View Help Tell me what you want to do

CSS Selector - Tag, class and attribute

https://www.facebook.com/

```
<input type="text" class="inputtext _55r1 _6lux" name="email" id="email" data-testid="royal_email" placeholder="Email address or phone number" autofocus="1" aria-label="Email address or phone number" style=""/>  
<input type="password" class="inputtext _55r1 _6lux" name="pass" id="pass" data-testid="royal_pass" placeholder="Password" aria-label="Password">
```

driver.findElement(By.cssSelector("input.inputtext[data-testid=royal_email]")).sendKeys("abc@gmail.com"); //Email
driver.findElement(By.cssSelector("input.inputtext[data-testid=royal_pass]")).sendKeys("abc"); //Password

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Slide 15 of 26



Locators-updated.pptx - PowerPoint

File Home Insert Design Transitions Animations Slide Show Review View Help Tell me what you want to do

CSS Selector - Creating style sheets
Tag selector
Class selector
Attribute selector

CSS Selector - Tag and ID
Tag selector
ID selector

CSS Selector - Tag and Class
Tag selector
Class selector

CSS Selector - Tag and Attribute
Tag selector
Attribute selector

CSS Selector - Tag, class and attribute
Tag selector
Class selector
Attribute selector

Tag and class Same

https://www.facebook.com/

ISU

far element

<div class=" _6lux ">
<input type="text" class="inputtext _55r1 _6lux" name="email" id="email" data-testid="royal_email" placeholder="Email address or phone number" autofocus="1" aria-label="Email address or phone number" style="border: 1px solid #ccc; border-radius: 5px; padding: 5px; width: 100%; height: 40px; margin-bottom: 10px; font-size: 14px; font-weight: bold; color: black; font-family: sans-serif; background-color: white; transition: border-color 0.3s ease; outline: none;"/>
</div>
<div class=" _6lux ">
<input type="password" class="inputtext _55r1 _6lux" name="pass" id="pass" data-testid="royal_pass" placeholder="Password" aria-label="Password" style="border: 1px solid #ccc; border-radius: 5px; padding: 5px; width: 100%; height: 40px; margin-bottom: 10px; font-size: 14px; font-weight: bold; color: black; font-family: sans-serif; background-color: white; transition: border-color 0.3s ease; outline: none;"/>
</div>

driver.findElement(By.cssSelector("input.inputtext[data-testid=royal_email]")).sendKeys("abc@gmail.com"); //Email
driver.findElement(By.cssSelector("input.inputtext[data-testid=royal_pass]")).sendKeys("abc"); //Password

WWW.PAVANONLINETRAININGS.COM

Slide 15 of 26

Notes Comments

11 12 13 14 15 16



Free Online Whiteboard

Facebook - log in or sign up

facebook.com

The screenshot shows the Facebook login page with the developer tools open. The left pane displays the login form with fields for email and password, a 'Log In' button, and links for 'Forgotten password?' and 'Create New Account'. Below the form is a link to 'Create a Page'. The right pane shows the DOM structure for the login form, with specific elements like the email input field highlighted in yellow. The developer tools interface includes tabs for Elements, Console, Sources, Network, Performance, and Memory, along with a styles panel on the right.

ebook

ook helps you connect and share
e people in your life.

input#email.inputtext_55r1_6luy 364 x 52

Email address or phone number

Password

Log In

Forgotten password?

Create New Account

Create a Page for a celebrity, band or business.

नेवी मुऱ्ह तमिल वाङ्मा मराठी तेलुगू झुजराती ಕನ್ನಡ ಮಲಯಾಳಂ Espaniol +

In Messenger Facebook Lite Watch People Pages Page categories Places Games Locations Marketplace Facebook Pay Group
Instagram Local Fundraisers Services Voting Information Center About Create ad Create Page Developers Careers Privacy
choices ▶ Terms Help

Elements Console Sources Network Performance Memory

Styles

```
<div class="8esn">
  <div class="8iep_8icy_9ahz_9ah- ">
    <form class="featuredLogin_formContainer" data-testid="royal_login_form" action="/login/" method="post" onsubmit id="u_0_a">
      <input type="hidden" name="jazoest" value="2695" autocomplete="off">
      <input type="hidden" name="lsd" value="AVofsX1o" autocomplete="off">
    </form>
    <div class="6lux">
      <input type="text" class="inputtext_55r1_6luy" name="email" id="email" data-testid="royal_email" placeholder="Email address or phone number" autofocus="1" aria-label="Email address or phone number"> == $0
    </div>
    <div class="6lux">
      <input type="password" class="inputtext_55r1_6luy" name="pass" id="pass" data-testid="royal_pass" placeholder="Password" aria-label="Password">
    </div>
    <input type="hidden" autocomplete="off" name="login_source" value="comet_headerless_login">
  </div>
  <div class="6ltg">...</div>
  <div class="6ltj">...</div>
  <div class="8icz">...</div>
  <div class="6ltg">...</div>
</form>
</div>
<div id="reg_pages_msg" class="58mk">...</div>
```

input.inputtext I 1 of 2 ▲ ▼ Cancel

Console What's New

Free Online Whiteboard

Facebook - log in or sign up

facebook.com

ebook

book helps you connect and share
the people in your life.

Email address or phone number

Password

Log In

Forgotten password?

Create New Account

Create a Page for a celebrity, band or business.

नेवी जूऱ्यां तुम्ही वांगा मराठी लेलां आणि कनूढे मलायलम् Espanol +

In Messenger Facebook Lite Watch People Pages Page categories Places Games Locations Marketplace Facebook Pay Group
Instagram Local Fundraisers Services Voting Information Center About Create ad Create Page Developers Careers Privacy
choices ▶ Terms Help

Elements Console Sources Network Performance Memory

Styles

```
<div class="8esn">
  <div class="8iep_8icy_9ahz_9ah-">
    <form class="featuredLogin_formContainer" data-testid="royal_login_form" action="/login/" method="post" onsubmit id="u_0_a">
      <input type="hidden" name="jazoest" value="2695" autocomplete="off">
      <input type="hidden" name="lsd" value="AVofsX1o" autocomplete="off">
      ...
      <div class="6lux">
        <input type="text" class="inputtext _55r1_6luy" name="email" id="email" data-testid="royal_email" placeholder="Email address or phone number" autofocus="1" aria-label="Email address or phone number"> = $0
      </div>
      <div class="6lux">
        <input type="password" class="inputtext _55r1_6luy" name="pass" id="pass" data-testid="royal_pass" placeholder="Password" aria-label="Password">
      </div>
      <input type="hidden" autocomplete="off" name="login_source" value="comet_headerless_login">
    </form>
    <div id="reg_pages_msg" class="58mk">...</div>
  ...
```

input.inputtext

2 of 2 ▲ ▼ Cancel

Console What's New

Free Online Whiteboard

Facebook - log in or sign up

facebook.com

Log In

Create New Account

Create a Page for a celebrity, band or business.

English हින්දු മലയാളം എസ്പാനീൾ +

Watch People Pages Page categories Places Games Locations Marketplace Facebook Pay Groups Services Voting Information Center About Create ad Create Page Developers Careers Privacy

Elements Console Sources Network Performance Memory Application Security

Styles

:hover .cls +

element.style { }

x2TJ--dJxUU...Wp8... #facebook ._kb button, #facebook ._kb input, #facebook ._kb label, #facebook ._kb select, #facebook ._kb td, #facebook ._kb textarea { font-family: inherit; }

zj492RghGy8...3Wp... ._8icy ._6luy ._6luy, ._aha ._6luy ._6luy { border-radius: 6px; }

zj492RghGy8...3Wp... ._8icy ._6luy ._6luy { font-size: 17px; padding: 14px 16px; width: 330px; }

zj492RghGy8...3Wp... ._6luy ._6luy { font-size: 14px; }

input#email.inputtext_55r1_6luy

input type="text" class="inputtext_55r1_6luy" name="email" id="email" data-testid="royal_email" placeholder="Email address or phone number" autofocus="1" aria-label="Email address or phone number" == \$0

input[name=email]

Console What's New

1 of 1 Cancel

7:55 AM

Free Online Whiteboard

Facebook - log in or sign up

facebook.com

Log In

Create New Account

Create a Page for a celebrity, band or business.

English हिन्दी മലയാളം Español +

Watch People Pages Page categories Places Games Locations Marketplace Facebook Pay Groups Services Voting Information Center About Create ad Create Page Developers Careers Privacy

input#email.inputtext_55r1_6luy 364 x 52

Email address or phone number

Password

Log In

Forgotten password?

Create New Account

zj492RghGy8...3Wp...
.8icy .6lux
.6luy, .9aha
.6lux .6luy {
border-radius:
6px;
}

zj492RghGy8...3Wp...
.8icy .6lux
.6luy {
font-size:
17px;
padding:
14px
16px;
width: 330px;
}

zj492RghGy8...3Wp...
.6luy .6luy {
font-size:
14px;

Elements Console Sources Network Performance Memory Application Security

Styles

:hover .cls +

element.style {
}

x2TJ--dJxUU...Wp8...
#facebook ._kb
button, #facebook
.kb input,
#facebook ._kb
label, #facebook

zj492RghGy8...3Wp...
.8icy .6lux
.6luy, .9aha
.6lux .6luy {
border-radius:
6px;
}

zj492RghGy8...3Wp...
.8icy .6lux
.6luy {
font-size:
17px;
padding:
14px
16px;
width: 330px;
}

zj492RghGy8...3Wp...
.6luy .6luy {
font-size:
14px;

input type="text" class="inputtext_55r1_6luy" name="email" id="email" data-testid="royal_email" placeholder="Email address or phone number" autofocus="1" aria-label="Email address or phone number" == \$0

input[name=email]

1 of 1 Cancel

Console What's New

Free Online Whiteboard

Facebook - log in or sign up

facebook.com

The screenshot shows a Windows desktop environment with a browser window open to the Facebook login page (facebook.com). The browser's developer tools are active, specifically the Elements tab, which displays the HTML structure of the page. The CSS panel on the right shows the styles applied to various elements, including the email input field. The input field has the class `_55r1 _6luy` and the ID `email`. The placeholder text is "Email address or phone number". The browser's status bar at the bottom right indicates it is 7:56 AM.

Elements Console Sources Network Performance Memory Application Security

Styles

:hover .cls + element.style { }

x2TJ--dJxUU...Wp8... #facebook ._kb button, #facebook ._kb input, #facebook ._kb label, #facebook ._kb select, #facebook ._kb td, #facebook ._kb textarea { font-family: inherit; }

zj492RghGy8...3Wp... ._8icy ._6lux ._6luy, ._aha ._6lux ._6luy { border-radius: 6px; }

zj492RghGy8...3Wp... ._8icy ._6lux ._6luy { font-size: 17px; padding: 14px 16px; width: 330px; }

zj492RghGy8...3Wp... ._6lux ._6luy { font-size: 14px; }

Log In

Forgotten password?

Create New Account

Create a Page for a celebrity, band or business.

മലയാളം ഇംഗ്ലീഷ് എസ്പാനിൾ +

Watch People Pages Page categories Places Games Locations Marketplace Facebook Pay Groups Services Voting Information Center About Create ad Create Page Developers Careers Privacy

input[type="text"]

input#email.inputtext._55r1._6luy

0 of 0 Cancel

Console What's New

Free Online Whiteboard

Facebook - log in or sign up

facebook.com

Email address or phone number

Password

Log In

Forgotten password?

Create New Account

Create a Page for a celebrity, band or business.

മുഖ്യ ക്ലാസ്സ് മലയാളം എസ്പിനോൾ +

Watch People Pages Page categories Places Games Locations Marketplace Facebook Pay Groups Services Voting Information Center About Create ad Create Page Developers Careers Privacy

Elements Console Sources Network Performance Memory Application Security

Styles

:hover .cls +

element.style { }

x2TJ--dJxUU...Wp8... #facebook ._kb button, #facebook ._kb input, #facebook ._kb label, #facebook ._kb select, #facebook ._kb td, #facebook ._kb textarea { font-family: inherit; }

zj492RghGy8...3Wp... ._8icy ._6lux ._6luy, ._aha ._6lux ._6luy { border-radius: 6px; }

zj492RghGy8...3Wp... ._8icy ._6lux ._6luy { font-size: 17px; padding: 14px 16px; width: 330px; }

zj492RghGy8...3Wp... ._6lux ._6luy { font-size: 14px; }

input#email.inputtext._55r1._6luy

input#data-testid=royal_email

1 of 1

Console What's New

7:56 AM

Free Online Whiteboard

Facebook - log in or sign up

facebook.com

Elements Console Sources Network Performance Memory Application Security

input#email.inputtext_55r1_6luy 364x52

Email address or phone number

Password

Log In

Forgotten password?

Create New Account

Create a Page for a celebrity, band or business.

മലയാളം കുർണ്ണം മലയാളം എസ്പാനിൾ +

Watch People Pages Page categories Places Games Locations Marketplace Facebook Pay Groups Services Voting Information Center About Create ad Create Page Developers Careers Privacy

input type="text" class="inputtext_55r1_6luy" name="email" id="email" data-testid="royal_email" placeholder="Email address or phone number" autofocus="1" aria-label="Email address or phone number" == \$0

[data-testid=royal_email]

Styles

:hover .cls + element.style { }

x2TJ--dJxUU...Wp8... #facebook ._kb button, #facebook ._kb input, #facebook ._kb label, #facebook ._kb select, #facebook ._kb td, #facebook ._kb textarea { font-family: inherit; }

zj492RghGy8...3Wp... ._8icy ._6lux ._6luy, ._aha ._6lux ._6luy { border-radius: 6px; }

zj492RghGy8...3Wp... ._8icy ._6lux ._6luy { font-size: 17px; padding: 14px 16px; width: 330px; }

zj492RghGy8...3Wp... ._6lux ._6luy { font-size: 14px; }

Console What's New

*Session15.txt - Notepad
File Edit Format View Help

Locators in Selenium

CSS Selectors

Tag and ID	Tag#id
Tag and Class	Tag.class
Tag and attribute	Tag[attribute=value]
Tag, class and attribute	

<----->
Ln 10, Col 1 100% Windows (CRLF) UTF-8
7:57 AM



javaselenium_workspace - seleniumwebdriver/src/locators/LocatosDemo3.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

LocatosDemo3.java

```
9 public static void main(String[] args) {
10
11     System.setProperty("webdriver.chrome.driver", "C:\\\\Drivers\\\\chromedriver_win32\\\\chromedriver.exe");
12     WebDriver driver=new ChromeDriver();
13
14     driver.get("https://www.facebook.com/");
15     driver.manage().window().maximize(); // maximize web page
16
17     //Tag & ID
18     //driver.findElement(By.cssSelector("input#email")).sendKeys("David");
19     //driver.findElement(By.cssSelector("#email")).sendKeys("David");
20
21     // Tag & Class
22     //driver.findElement(By.cssSelector("input.inputtext")).sendKeys("John");
23     //driver.findElement(By.cssSelector(".inputtext")).sendKeys("John");
24
25     //Tag & attribute
26     //driver.findElement(By.cssSelector("[name=email]")).sendKeys("Smith");
27     driver.findElement(By.cssSelector("input[name=email]")).sendKeys("Smith");
28 }
29
30 }
31
```

Console

<terminated> LocatosDemo3 [Java Application] C:\Program Files\Java\jre1.8.0_202\bin\javaw.exe (Sep 15, 2020, 7:59:27 AM – 7:59:46 AM)

Sep 15, 2020 7:59:36 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C

Writable Smart Insert 25 : 26 [17]



*Session15.txt - Notepad
File Edit Format View Help

Locators in Selenium

CSS Selectors

Tag and ID
Tag and Class
Tag and attribute
Tag, class and attribute

Tag#id
Tag.class
Tag[attribute=value]
Tag.class[attribute=value]

Ln 11, Col 1 100% Windows (CRLF) UTF-8

8:04 AM



Free Online Whiteboard

Facebook - log in or sign up

facebook.com

Log In

Create New Account

Forgot password?

Create a Page for a celebrity, band or business.

മലയാളം ഇംഗ്ലീഷ് എസ്പാനിൾ

Watch People Pages Page categories Places Games Locations Marketplace Facebook Pay Groups Services Voting Information Center About Create ad Create Page Developers Careers Privacy

Elements Console Sources Network Performance Memory Application Security

Styles

```
<input type="text" class="inputtext _55r1_6luy" name="email" id="email" data-testid="royal_email" placeholder="Email address or phone number" autofocus="1" aria-label="Email address or phone number">
```

```
.8icy .6lux .6luy, .6aha .6lux .6luy { border-radius: 6px; }
```

```
.8icy .6lux .6luy { font-size: 17px; padding: 14px 16px; width: 330px; }
```

```
.6lux .6luy { font-size: 14px; }
```

input.inputtext[data-testid=royal_email]

1 of 1

Cancel

Console What's New

8:04 AM