



# SELENIUM LOCATORS

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# What is a locator and what are the types?

In selenium locator is a means of finding an element in the html

1. id
2. name
3. css
4. xpath
5. tagName
6. className
7. linkText
8. partialLinkText



# LET'S LEARN WITH EXAMPLES

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- Please first click on the link
- Then right-click on the page and click **Inspect Element**.
- Then Command + F or Control + F
- Then copy the path to paste (There might be one more 1 path for one WebElement. So use any of them when you automate. Here I am showing you because you need to learn all of them). **Note** that when you copy the xpath from Pdf or any other document, most of the time you will see the Xpath in ' '. So, if that is the case for you then please change ' ' to single quotations.
- Then hit Enter to see the WebElement

# EXAMPLES

## Example-1:

<https://accounts.google.com/signin/v2/identifier?hl=en&continue=https%3A%2F%2Fwww.google.com%2Fsearch%3Fq%3Dgmail%26oq%3Dgmail%26aqs%3Dchrome..69i57j69i6113j35i39j0.899j0j7%26sourceid%3Dchrome%26ie%3DUTF-8&flowName=GlifWebSignIn&flowEntry=AddSession>

Locators for **Email or phone** button

```
//*[@id='identifierId'] * means everything
//input[@id='identifierId']
(//*[@contains(text(),'Email or phone')])[2]
```

## Example-2:

<https://accounts.google.com/signin/v2/identifier?hl=en&continue=https%3A%2F%2Fwww.google.com%2Fsearch%3Fq%3Dgmail%26oq%3Dgmail%26aqs%3Dchrome..69i57j69i6113j35i39j0.899j0j7%26sourceid%3Dchrome%26ie%3DUTF-8&flowName=GlifWebSignIn&flowEntry=AddSession>

Locators for **Forgot email?** button

```
//*[@type='button']
(//*[@contains(text(),'Forgot email?')])[2]
```

## Example-3:

<https://accounts.google.com/signin/v2/identifier?hl=en&continue=https%3A%2F%2Fwww.google.com%2Fsearch%3Fq%3Dgmail%26oq%3Dgmail%26aqs%3Dchrome..69i57j69i6113j35i39j0.899j0j7%26sourceid%3Dchrome%26ie%3DUTF-8&flowName=GlifWebSignIn&flowEntry=AddSession>

Locators for **Learn more** button

```
(//*[@contains(text(),'Learn more')])[2]
//a[contains (@href, 'chrome/answer')]
//a[contains (@href, 'chrome/answer')][contains(text(),'Learn more')]
```

## Example-4:

<https://accounts.google.com/signin/v2/identifier?hl=en&continue=https%3A%2F%2Fwww.google.com%2Fsearch%3Fq%3Dgmail%26oq%3Dgmail%26aqs%3Dchrome..69i57j69i6113j35i39j0.899j0j7%26sourceid%3Dchrome%26ie%3DUTF-8&flowName=GlifWebSignIn&flowEntry=AddSession>

Locators for **Create account** button

```
//span[@class='I3EnF oJeWuf']
//span[@class='NlWrkb snByac']
(//*[@contains(text(),'Create account')])[2]
```

## Example-5:

<https://accounts.google.com/signin/v2/identifier?hl=en&continue=https%3A%2F%2Fwww.google.com%2Fsearch%3Fq%3Dgmail%26oq%3Dgmail%26aqs%3Dchrome..69i57j69i6113j35i39j0.899j0j7%26sourceid%3Dchrome%26ie%3DUTF-8&flowName=GlifWebSignIn&flowEntry=AddSession>

Locators for **Next** button

```
//div[@id='identifierNext']
//*[@id='identifierNext']
//div[@class='ZFr60d CeoRYc']
```

# EXAMPLES

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## Example-6:

```
https://www.amazon.com/ap/signin?
openid.pape.max_auth_age=0&openid.return_to=https%3A%2F%2Fwww.amazon.com%2F%3Fref_%3Dnav_ya_signin&openid.identity=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0%2Fidentifier
select&openid.assoc_handle=usflex&openid.mode=checkid_setup&openid.claimed_id=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0%2Fidentifier_select&openid.ns=http%3A%2F%2Fspecs.openid.
net%2Fauth%2F2.0&
Locators for Email button
//*[@id='ap_email'] * means everything
//input[@id='ap_email']
//*[@name='email'] or //input[@name='email'] or //input[@type='email'] or //*[@type='email']
```

## Example-7:

```
https://www.amazon.com/ap/signin?
openid.pape.max_auth_age=0&openid.return_to=https%3A%2F%2Fwww.amazon.com%2F%3Fref_%3Dnav_ya_signin&openid.identity=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0%2Fidentifier
select&openid.assoc_handle=usflex&openid.mode=checkid_setup&openid.claimed_id=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0%2Fidentifier_select&openid.ns=http%3A%2F%2Fspecs.openid.
net%2Fauth%2F2.0&
Locators for Password button
//*[@id='ap_password'] or //input[@id='ap_password']
//*[@type='email'] or //input[@type='email']
```

## Example-8:

```
https://www.amazon.com/ap/signin?
openid.pape.max_auth_age=0&openid.return_to=https%3A%2F%2Fwww.amazon.com%2F%3Fref_%3Dnav_ya_signin&openid.identity=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0%2Fidentifier
select&openid.assoc_handle=usflex&openid.mode=checkid_setup&openid.claimed_id=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0%2Fidentifier_select&openid.ns=http%3A%2F%2Fspecs.openid.
net%2Fauth%2F2.0&
Locators for Sign in button
//*[@id='signInSubmit'] or //input[@id='signInSubmit']
//*[@type='submit'] or //input[@type='submit']
```

## Example-9:

```
https://www.amazon.com/ap/signin?
openid.pape.max_auth_age=0&openid.return_to=https%3A%2F%2Fwww.amazon.com%2F%3Fref_%3Dnav_ya_signin&openid.identity=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0%2Fidentifier
select&openid.assoc_handle=usflex&openid.mode=checkid_setup&openid.claimed_id=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0%2Fidentifier_select&openid.ns=http%3A%2F%2Fspecs.openid.
net%2Fauth%2F2.0&
Locators for Create your Amazon account button
//*[@id='createAccountSubmit'] or //input[@id='createAccountSubmit']
(//*[@class='a-button-inner'])[2] or (//*[@class='a-button-inner'])[2] or //*[contains(text(),'Create your Amazon account')]
```