



Selenium 4.0

WAVE'S END SWIMWEAR

5-Step Ordering Process

Çeşitli tarayıcılar üzerinde çalışabilme özelliği sayesinde Selenium, çoklu platformlarda web uygulamalarının test edilmesini sağlar

Proceed to checkout

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1

2

3

4

5

Selenium, web uygulamalarını otomatize etmek ve test etmek için kullanılan güçlü bir araçtır.

SELENIUM NEDİR ?

Kullanım Avantajları

Selenium, web uygulamalarını otomatize etmek ve test etmek için kullanılan güçlü bir araçtır. **1**

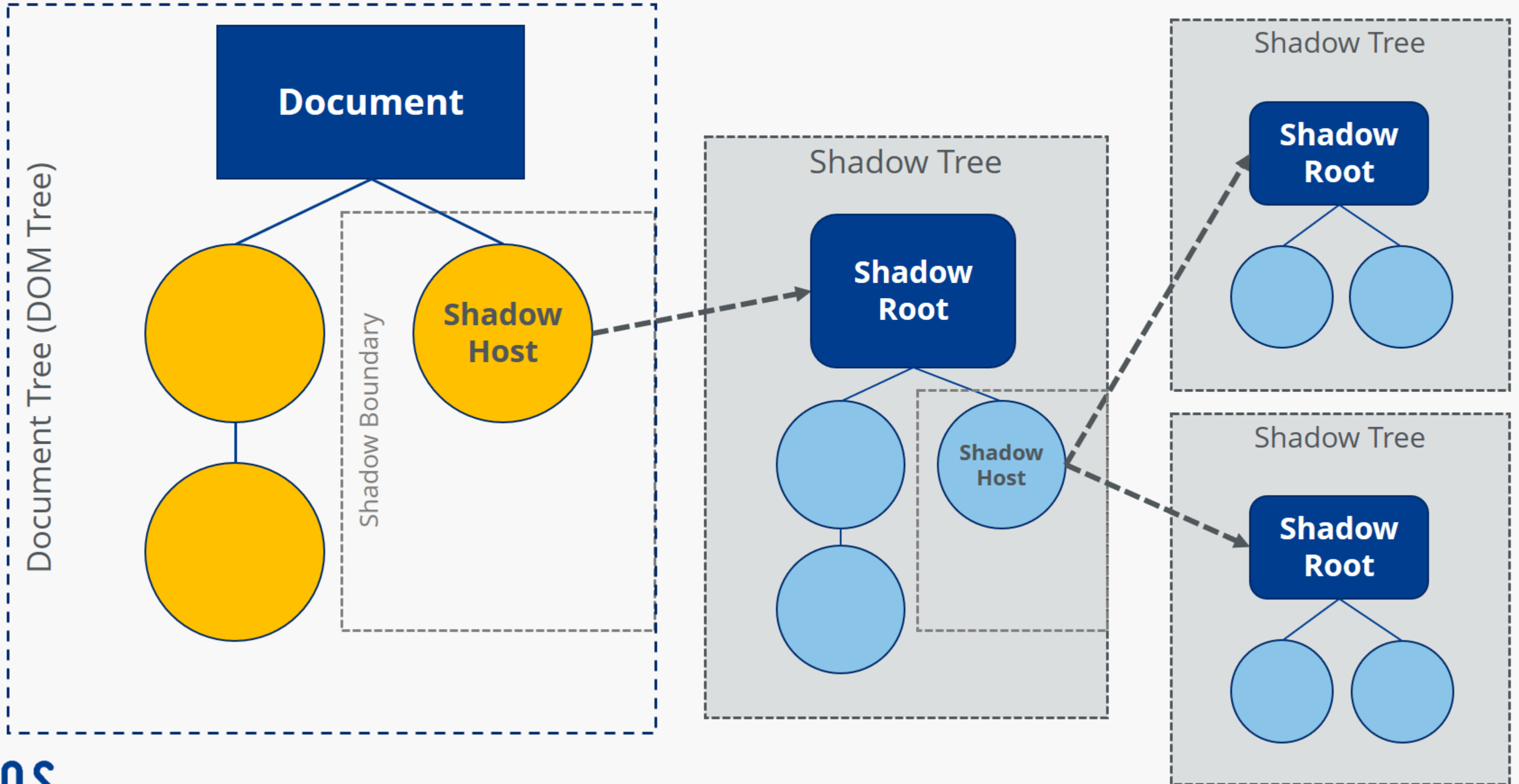
Çeşitli tarayıcılar üzerinde çalışabilme özelliği sayesinde Selenium, çoklu platformlarda web uygulamalarının test edilmesini sağlar. **2**

Selenium'un esnek ve açık kaynaklı yapısı, geliştiricilere geniş bir özelleştirme ve uyarlama imkanı sunar. **3**

Web tabanlı test senaryolarını otomatikleştirerek zaman ve iş gücü tasarrufu sağlar. **4**

Selenium'un popüler programlama dilleriyle uyumlu olması, geliştiricilerin tercih ettikleri dilde test senaryolarını yazmalarına olanak tanır. **5**

Shadow DOM (structure)



```
.sync-row{align-items:center;flex:auto}#profile-icon{background:center/cover no-repeat;border-radius:20px;flex-shrink:0;height:40px;width:40px}#sync-setup{--cr-secondary-text-color:var(--settings-error-color)}cr-link-row{--cr-link-row-icon-width:40px;border-top:var(--cr-separator-line)}.icon-container{display:flex;flex-shrink:0;justify-content:center;width:40px}#toast{left:0;z-index:1}:host-context([dir=rtl]) #toast{left:auto:right:0}settings-sync-account-control[showing-promo]::part(banner){border-top-left-radius:var(--cr-card-border-radius);border-top-right-radius:var(--cr-card-border-radius)}settings-sync-account-control[showing-promo]::part(title){font-size:1.1rem;line-height:1.625rem} == $0
```

</style>

- <settings-animated-pages id="pages" section="people">
 - #shadow-root (open)
 - <div route-path="default" class="iron-selected"> slot
 - <settings-sync-account-control promo-label-with-account="Google zekası Chrome'da" promo-label-with-no-account="Google zekası Chrome'da" promo-secondary-label-with-account="Chrome'u cihazlarınız arasında senkronize edin ve kişiselleştirin" promo-secondary-label-with-no-account="Chrome'u cihazlarınız arasında senkronize edin ve kişiselleştirin"> </settings-sync-account-control>
 - <dom-if style="display: none;"> </dom-if>
 - <dom-if restamp style="display: none;"> </dom-if>
 - <cr-link-row id="sync-setup" label="Senkronizasyon ve Google hizmetleri" role-description="Alt sayfa düğmesi"> flex
 - <cr-link-row id="manage-google-account" label="Google Hesabınızı yönetin" external> flex
 - <cr-link-row id="edit-profile" label="Chrome profilinizi özelleştirin"> flex
 - #shadow-root (open)
 - <dom-if style="display: none;"> </dom-if>
 - <cr-link-row id="importDataDialogTrigger" label="Yer işaretlerini ve ayarları içe aktar"> flex
 - #shadow-root (open)
 - <!--_html_template_start_-->
 - <style> </style>
 - <style> :host([hidden]),[hidden]{display:none!important} </style>
 - <style> </style>
 - <style include="cr-hidden-style cr-icons"> </style>
 - <style include="cr-actionable-row-style cr-shared-style cr-hidden-style"> </style>
 - <iron-icon id="startIcon" aria-hidden="true" hidden> </iron-icon>
 - <div id="labelWrapper">
 - <div id="label" aria-hidden="true"> flex
 - <div id="subLabel" class="cr-secondary-text" aria-hidden="true"> flex
 - </div>
 - <slot> </slot>
 - <div id="buttonAriaDescription" aria-hidden="true"> </div>
 - <cr-icon-button id="icon" role="link" part="icon" aria-describedby="buttonAriaDescription" aria-labelledby="label subLabel" iron-icon="cr:arrow-right" aria-disabled="false" tabindex="0"> flex
 - <!--_html_template_end_-->
 - </cr-link-row>
 - </div>

body settings-ui #shadow-root div#container.no-outline settings-main#main #shadow-root settings-basic-page.cr-centered-card-container #shadow-root div#basicPage settings-section settings-people-page #shadow-root style (text)

cr-link-row

1 of 46

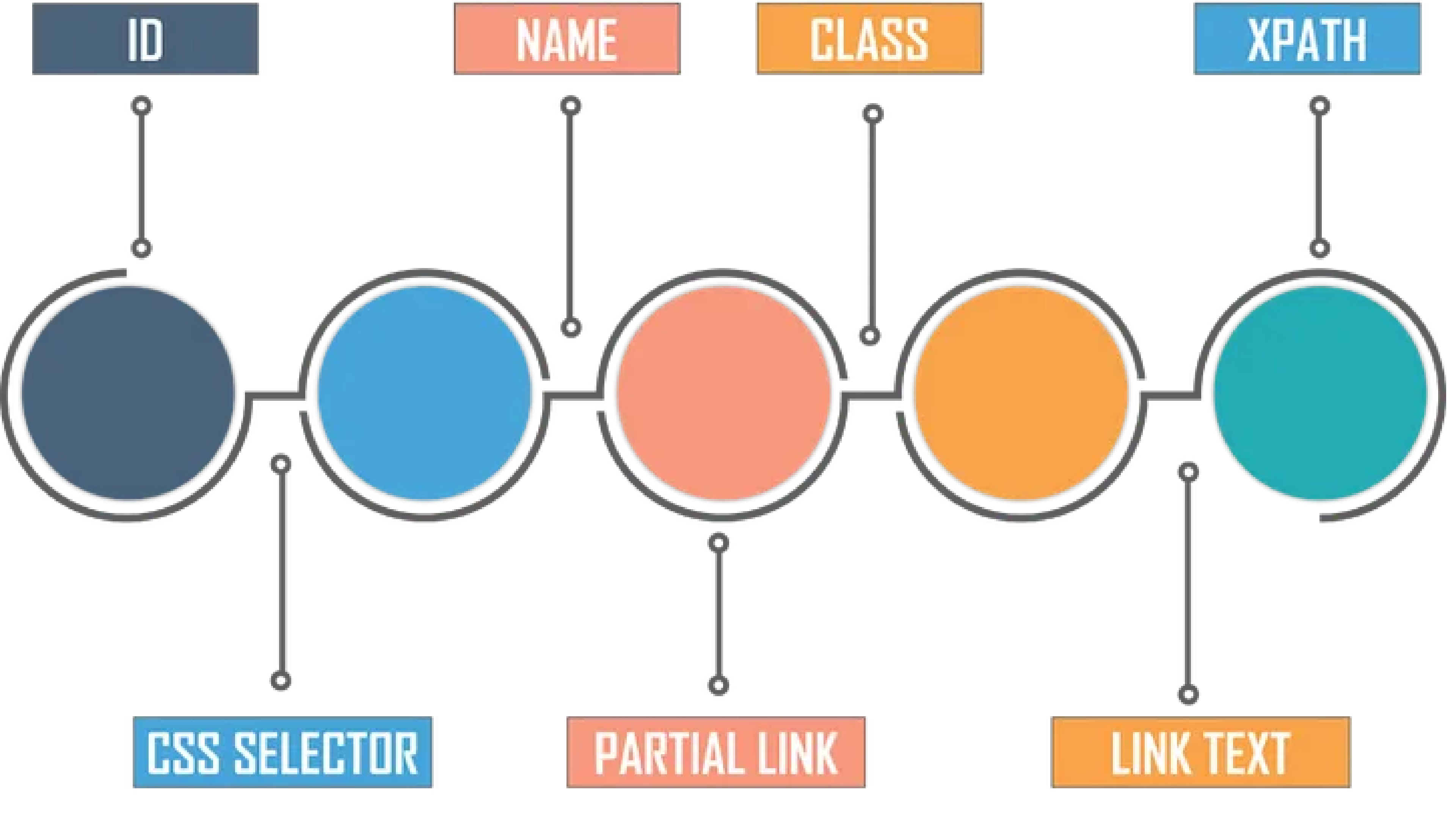
Cancel

```
<div id="noSearchResults" hidden></div>
<managed-footnote managed-by-icon_></managed-footnote>
<dom-if restamp style="display: none;"></dom-if>
<settings-basic-page class="cr-centered-card-container" role="main">
  #shadow-root (open)
    <!--_html_template_start-->
    <style> :host([hidden]),[hidden]{display:none!important} </style>
    <style></style>
    <style include="cr-hidden-style cr-icons"></style>
    <style></style>
    <style></style>
    <style include="cr-shared-style settings-page-styles cr-hidden-style iron-flex"></style>
  <div id="basicPage">
    <dom-if restamp style="display: none;"></dom-if>
    <settings-section page-title="Siz ve Google" section="people" active> flex
      #shadow-root (open)
        <settings-people-page> slot == $0
          #shadow-root (open)
            <!--_html_template_start-->
            <style> :host([hidden]),[hidden]{display:none!important} </style>
            <style></style>
            <style include="cr-hidden-style cr-icons"></style>
            <style></style>
            <style include="cr-shared-style search-highlight-style"></style>
            <style></style>
            <style include="cr-shared-style settings-shared iron-flex"></style>
          <settings-animated-pages id="pages" section="people">
            #shadow-root (open)
              <div route-path="default" class="iron-selected"> slot
                <settings-sync-account-control promo-label-with-account="Google zekası Chrome'da" promo-label-with-no-account="Google zekası Chrome'da" promo-secondary-label-with-account="Chrome'u cihaz
                larınız arasında senkronize edin ve kişiselleştirin" promo-secondary-label-with-no-account="Chrome'u cihazlarınız arasında senkronize edin ve kişiselleştirin"></settings-sync-account-
                control>
                <dom-if style="display: none;"></dom-if>
                <dom-if restamp style="display: none;"></dom-if>
                <cr-link-row id="sync-setup" label="Senkronizasyon ve Google hizmetleri" role-description="Alt sayfa düğmesi"> flex
                <cr-link-row id="manage-google-account" label="Google Hesabınızı yönetin" external> flex
                <cr-link-row id="edit-profile" label="Chrome profilinizi özelleştirin"> flex
                <dom-if style="display: none;"></dom-if>
                <cr-link-row id="importDataDialogTrigger" label="Yer işaretlerini ve ayarları içe aktar"> flex
```

html.focus-outline-visible body settings-ui #shadow-root div#container.no-outline settings-main#main #shadow-root settings-basic-page.cr-centered-card-container #shadow-root div#basicPage settings-section settings-people-page

Find by string, selector, or XPath

Cancel

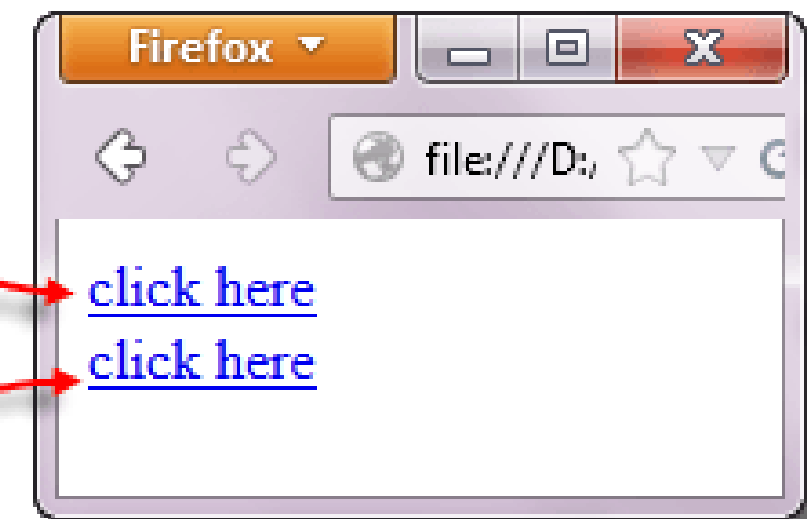


Linktext Usage

```
<html>
  <head>
    <title>Sample</title>
  </head>
  <body>
    <a href="http://www.google.com">click here</a>
    <br>
    <a href="http://www.fb.com">click here</a>
  </body>
</html>
```

to Google

to Facebook



```
public static void main(String[] args) {
    String baseUrl = "file:///D:/newhtml.html";
    WebDriver driver = new FirefoxDriver();

    driver.get(baseUrl);
    driver.findElement(By.LinkText("click here")).click();
    System.out.println("Title of page is: " + driver.getTitle());
    driver.quit();
}
```


Getting Started



Selenium WebDriver

If you want to create robust, browser-based regression automation suites and tests, scale and distribute scripts across many environments, then you want to use Selenium WebDriver, a collection of language specific bindings to drive a browser - the way it is meant to be driven.

[READ MORE](#) ▶



Selenium IDE

If you want to create quick bug reproduction scripts, create scripts to aid in automation-aided exploratory testing, then you want to use Selenium IDE; a Chrome, Firefox and Edge add-on that will do simple record-and-playback of interactions with the browser.

[READ MORE](#) ▶



Selenium Grid

If you want to scale by distributing and running tests on several machines and manage multiple environments from a central point, making it easy to run the tests against a vast combination of browsers/OS, then you want to use Selenium Grid.

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Selenium Level Sponsors



Selenium IDE:

Basit test senaryolarını kaydetmek, düzenlemek ve oynatmak için kullanılır.



Selenium WebDriver

Selenium WebDriver:

Programlama dili kullanarak karmaşık ve özelleştirilmiş test senaryolarını oluşturmak için kullanılır.



Selenium IDE

Selenium Grid:

Paralel test çalıştırma özelliğiyle büyük ölçekli test süreçlerini yönetmek için kullanılır.



Selenium Grid

class name [↪](#)

The HTML page web element can have attribute class. We can see an example in the above shown HTML snippet. We can identify these elements using the class name locator available in Selenium.

Move Code

Java

Python

CSharp

Ruby

JavaScript

Kotlin

```
driver = webdriver.Chrome()  
driver.find_element(By.CLASS_NAME, "information")
```

css selector

CSS is the language used to style HTML pages. We can use css selector locator strategy to identify the element on the page. If the element has an id, we create the locator as `css = #id`. Otherwise the format we follow is `css =[attribute=value]`. Let us see an example from above HTML snippet. We will create locator for First Name textbox, using css.

Move Code

Java

Python

CSharp

Ruby

JavaScript

Kotlin

```
driver = webdriver.Chrome()  
driver.find_element(By.CSS_SELECTOR, "#fname")
```

id

We can use the ID attribute of an element in a web page to locate it. Generally the ID property should be unique for each element on the web page. We will identify the Last Name field using it.

Move Code

Java

Python

CSharp

Ruby

JavaScript

Kotlin

```
driver = webdriver.Chrome()  
driver.find_element(By.ID, "lname")
```

xpath

A HTML document can be considered as a XML document, and then we can use xpath which will be the path traversed to reach the element of interest to locate the element. The XPath could be absolute xpath, which is created from the root of the document. Example - `/html/form/input[1]`. This will return the male radio button. Or the xpath could be relative. Example- `//input[@name='fname']`. This will return the first name text box. Let us create locator for female radio button using xpath.

Move Code

Java

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JavaScript

Kotlin

```
driver = webdriver.Chrome()  
driver.find_element(By.XPATH, "//input[@value='f']")
```

tag name

We can use the HTML TAG itself as a locator to identify the web element on the page. From the above HTML snippet shared, lets identify the link, using its html tag "a".

Move Code

Java

Python

CSharp

Ruby

JavaScript

Kotlin

```
driver = webdriver.Chrome()  
driver.find_element(By.TAG_NAME, "a")
```