

# Selenium WebDriver Locators

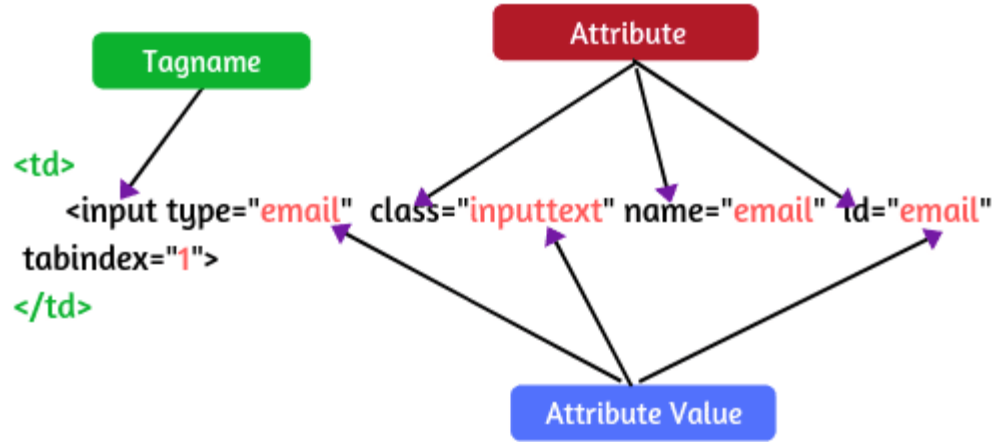
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# Agenda

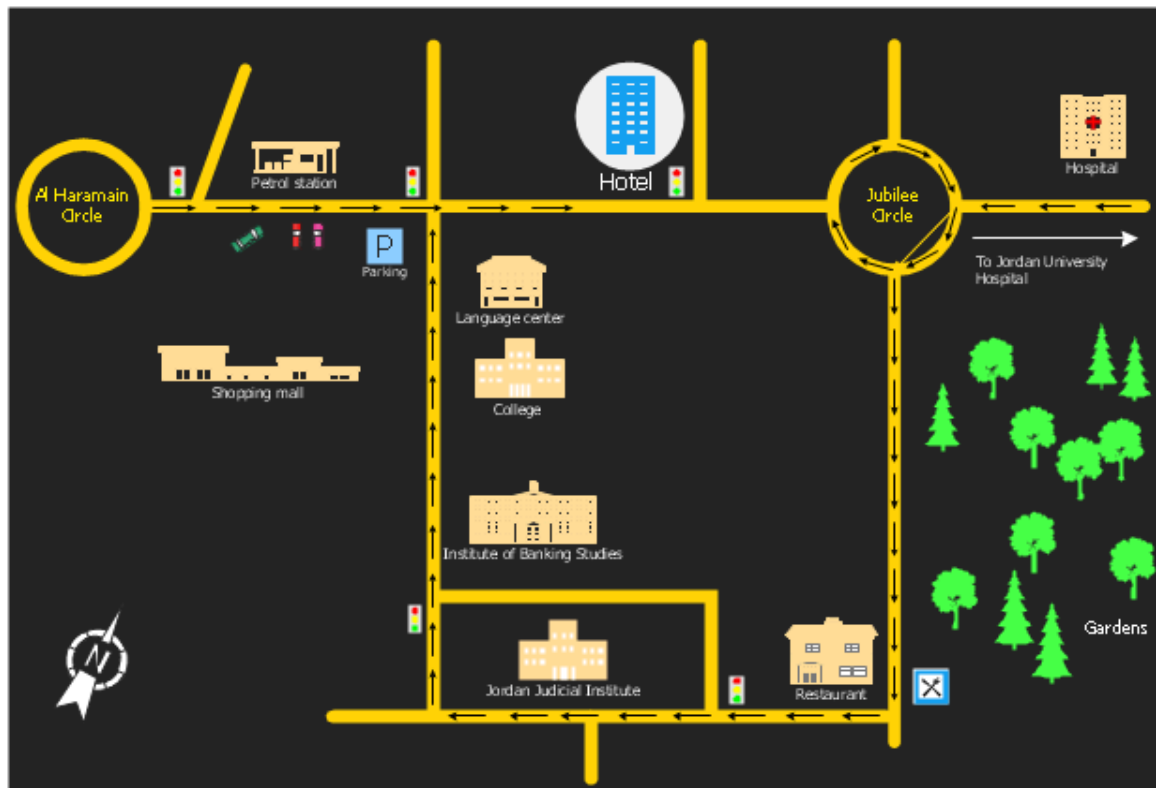
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# Elements on the Web Page



# What is a Locator?

Locator is a technique to find any element on web page.



# Types of Locators

- ID
- Name
- ClassName
- XPath
- CSS Selector
- PartialLinkText
- LinkText
- TagName

# Dynamic XPath in Selenium

## *Using single attribute*

```
//tagname[@attribute-name='value1']
```

## *Example*

```
//a[@href='http://www.google.com']
```

```
//input[@id='name']
```

```
//input[@name='username']
```

```
//img[@alt='sometext']
```

# Dynamic XPath using multiple attributes

```
//tagname[@attribute1='value1'][attribute2='value2']
```

## *Example*

```
//a[@id='id1'][@name='value1']
```

```
//img[@src=''][@href='']
```

```
//img[@src='' AND @href='']
```

```
//img[@src='' OR @href='']
```

# Dynamic XPath using contains()

`contains()` is a function in XPath which is used to search for a specified text in the attribute value.

```
//tagname[contains(@attribute, 'value')]
```

## *Example*

```
//input[contains(@id, '')]
```

```
//input[contains(@name, '')]
```

```
//a[contains(@href, '')]
```

```
//img[contains(@src, '')]
```



# Dynamic XPath using starts-with()

The XPath `starts-with()` function is used to find the element in which the attribute value starts with some specific character or a sequence of characters.

```
//tagname[starts-with(@attribute, 'value')]
```

## *Example*

```
//input[starts-with(@id, '')]
```

```
//input[starts-with(@name, '')]
```

```
//a[starts-with(@href, '')]
```

```
//img[starts-with(@src, '')]
```

# Dynamic XPath using text()

The XPath `text()` function is used to find the element in which the text is present.

```
//tagname[text()='text']
```

## *Example*

```
//a[text()='Google']
```


```
//a[text()='Gmail']
```

```
//a[text()='Images']
```

```
//a[text()='Sign in'] //*[text()='text']
```

\* is used to represent all the elements.

Thank you 

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