

# Selenium WebDriver Training

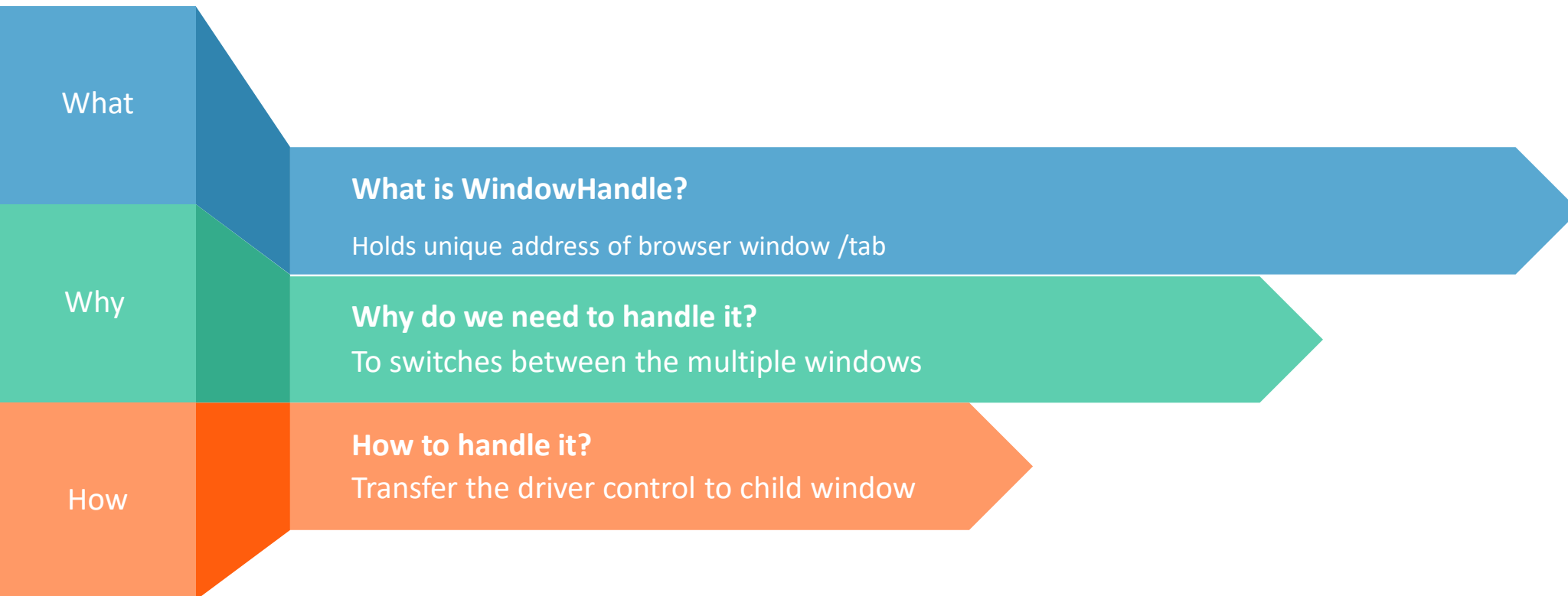
Target Locators  
Window Handling

# Window handle-Unique address



Each house holds **unique address**

# The Golden Circle



# More about window handling..

- ✓ -to handle multiple windows scenarios in selenium ,**window handler** is used .
- ✓ -Window handles holds the address of the each opened browser window/tab
- ✓ -Window handles are unique for each window/tab and returns the address of each window as alphanumeric characters.

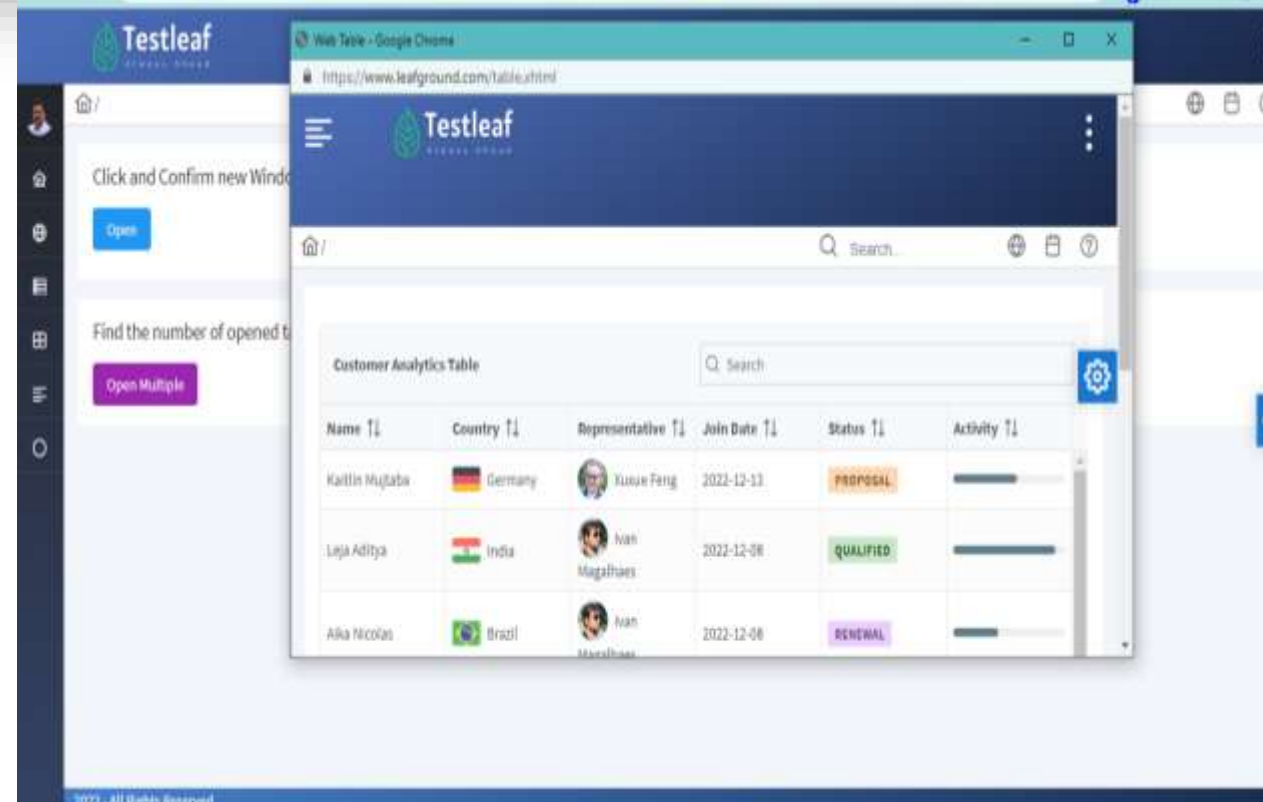
Ex:CDwindow-BD4E4EE55706D7CB7EA652049B03B152  
CDwindow-B795D2AA615D39AFC20F6D2D904412DF

# Window Handle

To get the address of opened windows, the selenium provides two methods.

**getWindowHandle()** -> to get the current window id as a string

**getWindowHandles ()**->returns the set of all the opened windows /tab as Set<string>



# How to Handle it ?

To handle windows

- ✓ Transfer the driver focus to required window

**syntax:**

***driver.switchTo().Window(Windowname);***



**Note:** Return type of it is *webdriver* interface and the implementation class is *RemoteWebDriver*

# Steps to handle multiple windows

## Step:1

Get the window Handles

```
Set<String> windowHandles= driver. getWindowHandles();
```

## Step:2

Convert the set to list

```
List<String> childWindow = new ArrayList<String>(windowHandles);  
for (int i = 0; i <= childWindow.size(); i++) {  
    String title = driver.switchTo().window(childWindow.get(1)).getTitle();  
  
    System.out.println(title);  
    driver.findElement(By.LinkText("Button")).click();  
  
    driver.close();  
    driver.switchTo().window(childWindow.get(0)).getTitle();  
}
```

## Step:3

Use SwitchTo method to switch between the windows using the Windowhandle

1. Load <https://www.irctc.co.in/>
2. Click on FLIGHTS link
3. Get the title (flights window -AirTicket )
4. Close the First tab(Train ticket booking) alone



# Summary

- Window handle-> hold the unique address of the web element
- To be handled by switching the driver control into the webElement
- getWindowHandle() ->hold the address of the current webpage  
getWindowHandles()->holds the address of all opened browsers

# Mind Map

