

Take A Screenshot Using Selenium

In this video, we are going to take a screenshot of this GreyHound web page using Selenium.

Let's go to Eclipse and before testing. We set up Chrome and maximize our window.

Let's go to test and load the web page `driver.get("https://www.greyhound.com")`. Next, we write `TakesScreenshot`. `TakesScreenshot` is an interface that is used to capture a screenshot and store that screenshot. Object reference is `screenshot =`. Now we must type cast `TakesScreenshot` by writing a parenthesis then `TakesScreenshot` inside the parenthesis and `driver`. The purpose of type casting is to convert an object into a different type of object. In this example, we are going to convert `driver` to `TakesScreenshot`.

Next, we write `screenshot dot getScreenshotAs`. The target parameter is `OutputType`. So we write `OutputType dot` then select `FILE`. `getScreenshotAs` performs the action of capturing the screenshot and storing the screenshot in a certain location. When we capture the screenshot, it will become our source. Therefore, we write `File source =`.

Next is the destination – File destination; File is a Java class that represents a file or it represents a path directory. Let's write our `directory = new File(System.getProperty("user.dir") + "/Screenshots/GreyHound.png");` Import File.

`user.dir` is the working directory, `Screenshots` is the folder name and `GreyHound` is the file name. I'm going to create a folder for `Screenshots`. Right click `Online Training – Teaching`, right click, `New` then select `Folder`. `Screenshots` is the folder name. Last, we handle the screenshot by copying from the source to the destination. We write `FileHandler.copy` from source to destination. Add a try catch block to surround `FileHandler`. The try catch block will try `FileHandler` if there is an exception then it will catch the exception and print the stack trace. Know what, let's also print the Screenshot: `sysout("Screenshot Located At " + destination);` Now, let's Run

The screenshot is not available because we have to Refresh. Maybe in a different video, I will share how to automatically Refresh the project. For now, let's Right Click then Refresh. Here's the screenshot, right click, `Open With, Other, GIF Image`, click `OK`. Here's the screenshot of Greyhound. That's it for taking a screenshot of a page using Selenium.