diffference between implict & explict wait.

1)implict is applicable to findelements() \* findelement() & in explict except the findelement() & findelements()

2)no such element exception & here explict timeoutexception.

3)implict was searching the targated element(chcek if the targeted element is loaded on the web page or not

& here explict uses the condition. here if condition is true the it execute \* if the condition is false then it gives the exception and next lines

is not going to execute.

4) in explict we aply time in only second, and in implicit sec,mili sec,nano sec etc.

5) how to write the line for implict and explict.

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29/4/23

ScreenShot:

it is having multiple steps, and we are going to use the extra tools.

download the maven repository, it contain all the tools, it also include the selenium.

and add it to the jar folder and add it to the path.

why we take screenshot?

to add it to your defect report.

for better ananlysing the failure of the test script.

it has one method;

getscreenShotAs();

we have to go for the concept of the downcasting, for using/get the method of the

ScreenShot.

ie:

WebDriver driver=new ChromeDriver();

driver.get("https://demo.actitime.com/login.do");

TakesScreenshot ts=(TakesScreenshot) driver;

the screenshot must be store in 3 ways,

the standard way is to store it in the form of file.

1)BASE64

2)BYTES

3)FILE

now we need to see where the screen shot is present in the system.

///////////////////

download Apache commons IO

and download the version, based on the most usage

and then paste it in the jar folder, and then right click and select add to build path.

common IO:

to create the folder, automatically, we have downloaded the jar file( Apache commons IO).

TakesScreenshot ts=(TakesScreenshot) driver;

File tempfile4=ts.getScreenshotAs(OutputType.FILE);

File destinationfile=new File("./ScreenShot\_automatic/insta.png");

//tempfile4.renameTo(destinationfile); does same function as copyFile()

FileUtils.copyFile(tempfile4,destinationfile );

/\*1)copyFile(srcFile, destFile);copy the file from the source file to the destination file.

\* 2)while coping the source file to destination file, it will create the folder automatically.

\*/

//

to give the name to the screenshot automatically.

1)call the class the localdate and time.

inside the class call the method now(), its a static method.

this method will take the screen shot, based on local date and time.

LocalDateTime ldt=LocalDateTime.now();

System.out.println(ldt);// prints the local date and time

o/p

2023-05-02T09:22:35.648

2)we can save the file with . and - but not with :

now we need to replace the : symbol with - symbol & store it inside the variable

LocalDateTime ldt=LocalDateTime.now();

String timestramp=ldt.toString().replace(" : ", " - ");

3) now we need to go with concept of concatination.

now concatinat it with the path.

File destinationfile=new File("./ScreenShot\_automatic1/"+timestramp+".png");

it save the file name with second and milisecond.

//

webelement screenshot.

actitime.com eg take screenshot od check box.

//////////////////////////////////////////////////////////////////

to handle the drop down we need to go for the select class.

we have 2 types of dropdown.

single list dropdown: at a time we can select single item.

multi list dropdowm: at a time we can select one item or multiple item.

to handel the dropdow we go for the selectClass.

select class consist of 6 non-static methods.

1)isMultiple(): check if the list is single list or multilist dropdown.

when the tagated element is a single list dropdow gives false

if it is a multilist it gives true.

2)getoption(): this method is use to get all the options that is present in the option tag.

for each loop(datatype ref variable:collection)

eg:

WebElement month=driver.findElement(By.id("month"));//it is a single list dropdown

Select s=new Select(month);

List<WebElement> allmonth=s.getOptions();

for(WebElement months:allmonth)

{

System.out.println(months.getText());

//System.out.println(a); it only gives the id

}

3)selectbyIndex();

4)getFirstSelectedOption():used in multilist dropdown.

and not used in silgle list dropdown, if used then it will take the default month.

5)selectbyvisibletext():

select the element based on the visible text ,in the string form

eg selectbyvisibletext("Nov");

6)selectbyvalue();

it will select the element base on the attribute value.

we need to follow the steps:

\*\*)inspect the drop down, and see the tag name, if the tag name is select then only we can use the select class concept.

1) create the object of select.

Select s=new Select();

2)in the select constructor, we need to pass the targeted element as an input.

3)with the reference variable we are going to call the non-static method.