Selenium cheat sheet

WebDrivermanager.chromeDriver().setUp();

WebDriver driver=new ChromeDriver();

driver.get("https//:www.google.com");

driver.close();

driver.quit();

driver.getWindowhandle();

driver.getWindowhandles();

driver.switchTo.frame(using element);

driver.switchTo.frame(index);

driver.switchTo.defaultContent();

driver.switchTo.parentFrame();

driver.switchTo().alert();

driver.navigate().to();

driver.navigate().back();

driver.navigate().forward();

driver.navigate().refresh();

driver.manage().window().maximize();

driver.manage().window().minimize();

driver.manage().timeouts().implicitywaits(driver,Duration.ofSeconds());

driver.manage().getCookies();

driver.manage().deleteAllCookies();

driver.findElement();

driver.findElements();

driver.getCurrentUrl();

driver.getTitle();

driver.switchTo().window(windowhandle);

ele.click();

ele.senKeys();

ele.getText();

ele.getAttribute();

ele.isDisplayed();

ele.isEnabled();

ele.isSelected();

ele.clear();

Taking ScreenShot

TakesScreenshot ts=(TakesScreenshot)driver;

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

FileUtils.copyFile(src,new File("screen.png"))

Scrolling

JavascriptExecutor js=(JavascriptExecutor)driver;

js.executeScript("window.scrollBy(0,100)");

JavascriptExecutor js=(JavascriptExecutor)driver;

js.executeScript("arguments[0].scrollIntoView();",element)

Action Class

Actions action =new Actions(driver);

action.click().perform();

action.senKeys().perform();

action.doubleClick().perform();

action.moveToElement().perform();

action.contextClick().perform();

action.dragAndDrop(src,des).perform;

action.clickAndHold().perform();

action.release().perform();

action.moveByOffset(x,y).perform();

Selecting dropdown

Select select =new Select(element);

select.selectByVisibleText("");

select.selectByIndex(0);

select.selectByValue("");

switching window

Set<String> lstAllWindows=driver.getWindowhandles();

for(String strWindow:lstAllWindows){

String currentTitle=driver.switchTo().window(strWindow).getTitle();

if(currentTitle.equals(strTitle)){

break;

}

}

using index

ArrayList<String> lstWindowhandles=new ArrayList<>(driver.getWindowhandles());

driver.switchTo().window(lstAllWindowhandles.get(index));

WebDriverWait wait =new WebDriverWait(driver, Duration.ofSeconds(0);

wait.Until(ExpectedConditions.elementToBeClickable(webElement));

wait.until(ExpectedConditions.visibilityOfElementlocated(ele));

wait.until(ExpectedConditions.presenceOfElementLocated(ele));

wait.until(ExpectedConditions.alertIsPresent());

fluent wait

Wait<webDriver> wait =new fluentWait<webDriver>(driver)

.withTimeOut(Duration.ofSeconds(30))

.pollingEvery(Duration.ofSeconds(2))

.ignoring(NoSuchElementException.class);

wait.until(ExpectedConditions.visibilityOfElementlocated(ele));

Doing action on shadowroot

first take the element of shadowroot

WebElement ele=driver.findElement(By.CssSelector("#shadowroot"));

SearchContext context=ele.getShadowroot();

WebElement insideShadow=context.findElement(By.cssSelector("element"));

insideShadow.click();