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package automation;

import java.io.File;
import java.io.IOException;
import java.util.concurrent.TimeUnit;

import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.OutputType;
import org.openqa.selenium.TakesScreenshot;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;

import com.sun.jna.platform.FileUtils;

public class Automation {
    WebDriver driver;
    int count=0;

    // Opening Website
    public void open()
    {

        System.out.println("launching chrome browser");
        System.setProperty("webdriver.chrome.driver",
"G://chromedriver.exe");
        driver = new ChromeDriver();

        driver.get("https://www.autol.com/en/our-cars");
        //driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
        screenshot(driver, "open");
    }

    // Entering Login Credentials
    public void Login()
    {

        WebElement login= driver.findElement(By.className("signin-link"));
        login.click();
        WebElement UserName= driver.findElement(By.id("login-email"));
        UserName.sendKeys("d.sunitha09@gmail.com");

        UserName.sendKeys(Keys.TAB);
        WebElement Password=driver.findElement(By.id("login-password"));
        Password.sendKeys("Git@2017");
        Password.sendKeys(Keys.TAB);

        driver.manage().timeouts().implicitlyWait(5, TimeUnit.SECONDS);
        WebElement Submit= driver.findElement(By.className("btn-primary"));
        Submit.click();
        screenshot(driver, "Login");
    }
}

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// Maximizing window
public void maxi()
{
    try{
        driver.manage().window().maximize();
    }
    catch(Exception e){
        System.out.println("Maximize the screen");
    }
}

// Checking checkbox
public void Checkbox()
{
    driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
    try
    {
        WebElement BmwCheckbox=
driver.findElement(By.xpath("//*[@type='checkbox' and @name='130']"));
        BmwCheckbox.isDisplayed();
    }
    catch(Exception e)
    {
        System.out.println("Element is not identified");
    }
    if ( !driver.findElement(By.id("//*[@type='checkbox' and
@name='130']")).isSelected() )
    {
        driver.findElement(By.id("//*[@type='checkbox' and
@name='130']")).click();
    }
        screenshot(driver, "Checkbox");
    }

// VerifyingElement present on the Page
public void VerifyingElement()
{
    WebDriverWait wait = new WebDriverWait(driver,20);
    WebElement checkElement;
    checkElement=
wait.until(ExpectedConditions.visibilityOfElementLocated((By.xpath("//*[@
type='checkbox' and @name='130|1er']"))));
    screenshot(driver, "VerifyingElement");
}

// Getting the list of number of cars
Public void listBMWcars()
{
    WebElement list = driver.findElements(By.ClassName("big-car-
card__title big-car-card__title--bottom"));
    for(WebElement el : list) {
        System.out.println(el.getText());
    }
}

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        String str=driver.findElement(By.ClassName("big-car-card__title
big-car-card__title--bottom")).getText();
        screencapture(driver, "listBMWcars");
        if(str.contains("BMW"))
        {
            count++;
            System.out.println("All the Cars are BMW");
            System.out.println(count);
        }
        else
        {
            System.out.println("All the cars are BMW");
        }
    }
}

// capturing Screen
public static void screencapture(WebDriver driver,String filename) throws
IOException
{
    TakesScreenshot obj=(TakesScreenshot)driver;
    File src=obj.getScreenshotAs(OutputType.FILE);
    FileUtils.copyFile(src,new
    File("./screenshots/"+filename+".png"));
}

public static void main(String args[])
{
    Automation auto=new Automation();
    auto.open();
    auto.Login();
    auto.Checkbox();
    auto.VerifyingElement();
    auto.listBMWcars();
}
}

```