Automate the Web Application

**Source Code**

# Login.java

packagelogindemo;

importorg.openqa.selenium.By; importorg.openqa.selenium.WebDriver;

importorg.openqa.selenium.chrome.ChromeDriver;

publicclasslogin{

publicstaticvoidmain(String[]args){

// Set the path to the chromedriver executable System.*setProperty*("webdriver.chrome.driver",

"D:\\Working Software\\Salenium\\seleniumjars\\chromedriver.exe");

// Create a new instance of the ChromeDriver WebDriverdriver=newChromeDriver();

// Open the website driver.get(["https://www.saucedemo.com/"](http://www.saucedemo.com/));

// Maximize the browser window driver.manage().window().maximize();

driver.findElement(By.*name*("user-name")).sendKeys("standard\_user"); driver.findElement(By.*id*("password")).sendKeys("secret\_sauce"); driver.findElement(By.*xpath*("/html/body/div/div/div[2]/div[1]/div/div/form/ input")).click();

}

}

# Register.java

packageRegisterDemo;

importorg.openqa.selenium.By; importorg.openqa.selenium.WebDriver; importorg.openqa.selenium.WebElement; importorg.openqa.selenium.chrome.ChromeDriver; importorg.openqa.selenium.support.ui.ExpectedConditions; importorg.openqa.selenium.support.ui.Select; importorg.openqa.selenium.support.ui.WebDriverWait; importorg.openqa.selenium.JavascriptExecutor;

publicclassregister{

publicstaticvoidmain(String[]args){

// Set the path to the chromedriver executable System.*setProperty*("webdriver.chrome.driver",

"D:\\Working Software\\Salenium\\seleniumjars\\chromedriver.exe");

// Create a new instance of the ChromeDriver WebDriverdriver=newChromeDriver();

// Open the website driver.get("https://nxtgenaiacademy.com/demo-site/");

// Maximize the browser window driver.manage().window().maximize();

//by id

driver.findElement(By.*id*("vfb-5")).sendKeys("Dinesh");

//by id

driver.findElement(By.*id*("vfb-7")).sendKeys("Kumar");

//by name

driver.findElement(By.*name*("vfb-31")).click();

// by cssselector

driver.findElement(By.*cssSelector*("input#vfb-13-address")).sendKeys("Dubai MainRoad");

driver.findElement(By.*cssSelector*("input#vfb-13-address-2")).sendKeys("No 6 Vevekanantha Street ");

driver.findElement(By.*cssSelector*("input#vfb-13-state")).sendKeys("Dubai kurukusanthu");

driver.findElement(By.*cssSelector*("input#vfb-13-zip")).sendKeys("Dubai ");

// Find the dropdown element and click on it WebElementdropdownElement=driver.findElement(By.*className*("select2- selection arrow"));

dropdownElement.click();

// Wait for the dropdown options to be visible WebDriverWaitwait=newWebDriverWait(driver,10); wait.until(ExpectedConditions.*visibilityOfElementLocated*(By.*className*("sele ct2-results option")));

// Find the option by its text and click on it WebElementoption=driver.findElement(By.*xpath*("//li[contains(text(),'Saudi Arabia')]"));

option.click();

//absolute xpath driver.findElement(By.*xpath*("/html/body/div[2]/div[2]/div[2]/div[1]/div/sec tion/div/div[1]/div/div/div/div/div/form/fieldset[1]/ul/li[5]/input")).send Keys(["vadivel@gmail.com"](mailto:vadivel@gmail.com));

// Find the date input field by its ID WebElementdateInput=driver.findElement(By.*id*("vfb-18"));

// Clear any existing value in the field (optional) dateInput.clear();

// Enter the desired date in the format "MM/DD/YY" StringdesiredDate="07/19/23"; dateInput.sendKeys(desiredDate);

//Relative Xpath

driver.findElement(By.*xpath*("//\*[@id=\"vfb-19\"]")).sendKeys("956749789");

// Find the checkbox element by its ID or any other suitable locator WebElementcheckbox=driver.findElement(By.*id*("vfb-20-0"));

// Check if the checkbox is not selected and then select it if(!checkbox.isSelected()){

checkbox.click();

}

WebElementcheckbox2=driver.findElement(By.*id*("vfb-20-3"));

// Check if the checkbox is not selected and then select it if(!checkbox2.isSelected()){

checkbox2.click();

}

driver.findElement(By.*xpath*("/html/body/div[2]/div[2]/div[2]/div[1]/div/sec tion/div/div[1]/div/div/div/div/div/form/fieldset[1]/ul/li[10]/div/textarea ")).sendKeys(" I am your Best Friend okey! ");

driver.findElement(By.*id*("vfb-3")).sendKeys("99");

//relative xpath driver.findElement(By.*xpath*("//\*[@id=\"vfb-4\"]")).click();

}

}