TASK 10

Q1.

**package** taskproject;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**import** org.openqa.selenium.chrome.ChromeOptions;

**import** org.openqa.selenium.support.ui.Select;

**import** org.openqa.selenium.JavascriptExecutor;

**import** java.util.concurrent.TimeUnit;

@SuppressWarnings("unused")

**public** **class** DatePickerAutomation {

@SuppressWarnings("deprecation")

**public** **static** **void** main(String[] args) {

ChromeOptions options = **new** ChromeOptions();

options.addArguments("--start-maximized");

WebDriver driver = **new** ChromeDriver(options);

**try** {

driver.get("https://jqueryui.com/datepicker/");

driver.manage().timeouts().implicitlyWait(10, TimeUnit.***SECONDS***);

WebElement iframe = driver.findElement(By.*xpath*("//\*[@id=\"content\"]/iframe"));

driver.switchTo().frame(iframe);

WebElement datepickerInput = driver.findElement(By.*id*("datepicker"));

datepickerInput.click();

WebElement nextButton = driver.findElement(By.*xpath*("//span[@class='ui-datepicker-next']"));

nextButton.click();

WebElement date = driver.findElement(By.*xpath*("//a[text()='22']"));

date.click();

String selectedDate = date.getText();

System.***out***.println("Selected date: " + selectedDate);

} **catch** (Exception e) {

e.printStackTrace();

} **finally** {

driver.quit();

}

}

}

Q2.

**package** taskproject;

**import** java.time.Duration;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**import** org.openqa.selenium.interactions.Actions;

**import** org.openqa.selenium.support.ui.WebDriverWait;

**import** org.openqa.selenium.support.ui.ExpectedConditions;

**import** org.openqa.selenium.Dimension;

**public** **class** DragAndDropAutomation {

**public** **static** **void** main(String[] args) {

System.*setProperty*("webdriver.chrome.driver", "C:/Users/durai/.cache/selenium/chromedriver/win64/131.0.6778.87/chromedriver.exe");

WebDriver driver = **new** ChromeDriver();

**try** {

driver.get("https://jqueryui.com/droppable/");

driver.manage().window().setSize(**new** Dimension(1024, 768));

WebDriverWait wait = **new** WebDriverWait(driver, Duration.*ofSeconds*(10));

wait.until(ExpectedConditions.*frameToBeAvailableAndSwitchToIt*(By.*xpath*("iframe.demo-frame")));

WebElement sourceElement = driver.findElement(By.*id*("//\*[@id=\"draggable\"]/p"));

WebElement targetElement = driver.findElement(By.*id*("//\*[@id=\"droppable\"]"));

Actions actions = **new** Actions(driver);

actions.dragAndDrop(sourceElement, targetElement).perform();

String targetElementColor = targetElement.getCssValue("background-color");

System.***out***.println("Target Element Color: " + targetElementColor);

**if** (targetElementColor.equals("rgba(0, 128, 0, 1)")) {

System.***out***.println("Drag and drop successful. Color is green.");

} **else** {

System.***out***.println("Drag and drop failed.");

}

String targetText = targetElement.getText();

**if** (targetText.equals("Dropped!")) {

System.***out***.println("Text has changed to 'Dropped!' after the drop.");

} **else** {

System.***out***.println("Text did not change as expected.");

}

} **catch** (Exception e) {

e.printStackTrace();

} **finally** {

driver.quit();

}

}

}

Q3.

**package** taskproject;

**import** org.openqa.selenium.By;

**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** java.time.Duration;

**public** **class** TaskJava {

**public** **static** **void** main(String[] args) {

System.*setProperty*("webdriver.chrome.driver", "C:/Users/durai/.cache/selenium/chromedriver/win64/131.0.6778.87/chromedriver.exe");

WebDriver driver = **new** ChromeDriver();

**try** {

driver.get("https://www.guvi.in/");

WebDriverWait wait = **new** WebDriverWait(driver, Duration.*ofSeconds*(5));

WebElement signupButton = wait.until(ExpectedConditions.*elementToBeClickable*(By.*xpath*("//a[@id='signup-btn' and @class='btn signup-btn']")));

signupButton.click();

WebElement nameInput = wait.until(ExpectedConditions.*visibilityOfElementLocated*(By.*name*("full\_name")));

nameInput.sendKeys("dinesh");

WebElement emailInput = driver.findElement(By.*name*("email"));

emailInput.sendKeys("abcd@gmail.com");

WebElement passwordInput = driver.findElement(By.*name*("password"));

passwordInput.sendKeys("Abcd@123");

WebElement confirmPasswordInput = driver.findElement(By.*name*("confirm\_password"));

confirmPasswordInput.sendKeys("Abcd@123");

WebElement signupSubmitButton = driver.findElement(By.*xpath*("//a[text()='Submit']"));

signupSubmitButton.click();

wait.until(ExpectedConditions.*titleContains*("Dashboard"));

System.***out***.println("Title after signup: " + driver.getTitle());

WebElement loginButton = wait.until(ExpectedConditions.*elementToBeClickable*(By.*xpath*("//a[text()='Login']")));

loginButton.click();

emailInput = wait.until(ExpectedConditions.*visibilityOfElementLocated*(By.*name*("email")));

emailInput.sendKeys("abcd@gmail.com");

passwordInput = driver.findElement(By.*name*("password"));

passwordInput.sendKeys("Abcd@123");

WebElement loginSubmitButton = driver.findElement(By.*xpath*("//a[text()='Submit']"));

loginSubmitButton.click();

wait.until(ExpectedConditions.*titleContains*("Home"));

System.***out***.println("Title after login: " + driver.getTitle());

} **catch** (Exception e) {

e.printStackTrace();

} **finally** {

driver.quit();

}

}

}