**Automation Engineer Assignment release Note**

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**Assignment Date : 04/19/2018 2:32 PM**

**Assignment Submission date : 04/20/2018 11:06 AM**

**Assignment Result Folder Name: Automation Assignment Folder (Attached)**

**Assignment Eclipse Project Zip :** [**Please Click Here**](Eclips%20File%20RemoteWorkAssignment.zip)

**Tasks-1. Write a script that will change a file permission to no access after 90 days (Hint: 000)**

While user creation we can use following command :

useradd -e `date -d "90 days" +"%Y-%m-%d"` someuser

To change user's expiration date who already exist.

chage -E `date -d "90 days" +"%Y-%m-%d"` someuser

**Tasks-2. Execute a program that will click play/pause for this url: https://www.envrmnt.com/360-video/ (Hint: Selenium Libraries)**

Environment Setup :

1. Java 8 installed
2. Eclipse Neon installed
3. Firefox version 47.1
4. Selenium version 2.53
5. Setup lib folder inside Eclipse Project with browser.exe
6. TestNG version 6.12
7. Please add dependency on your Eclipse Maven Project in POM.xml

Please click following file to add Dependencies

[](Assignment%20task%202/pom.xml)

1. Add Java Class on Eclipse Project

[](Assignment%20task%202/Assignment_2_automation_play_pause.java)

Please find the sample coding :

|  |
| --- |
| **package** com.java.automation;  **import** java.util.concurrent.TimeUnit;  **import** org.openqa.selenium.JavascriptExecutor;  **import** org.openqa.selenium.WebDriver;  **import** org.openqa.selenium.chrome.ChromeDriver;  **import** org.openqa.selenium.firefox.FirefoxDriver;  **import** org.openqa.selenium.htmlunit.HtmlUnitDriver;  **import** org.openqa.selenium.ie.InternetExplorerDriver;  **import** org.openqa.selenium.safari.SafariDriver;  **import** org.testng.annotations.AfterTest;  **import** org.testng.annotations.BeforeTest;  **import** org.testng.annotations.Optional;  **import** org.testng.annotations.Parameters;  **import** org.testng.annotations.Test;  **import** org.openqa.selenium.interactions.Action;  **public** **class** Assignment\_2\_automation\_play\_pause {  **static** WebDriver *driver*;  **protected** **static** **final** String ***URL*** = "https://www.envrmnt.com/360-video/ ";  @Parameters("browser")  @BeforeTest  **public** **void** beforeMethod(@Optional("firefox") String browsername) {  **if** (browsername.equalsIgnoreCase("firefox")) {  System.***out***.println("launching firefox browser");  System.*setProperty*("webdriver.gecko.driver", ".\\lib\\geckodriver.exe");  *driver* = **new** FirefoxDriver();  }  **if** (browsername.equalsIgnoreCase("chrome")) {  System.***out***.println("launching chrome browser");  System.*setProperty*("webdriver.chrome.driver", "..\\lib\\chromedriver.exe");  *driver* = **new** ChromeDriver();  }  **if** (browsername.equalsIgnoreCase("ie")) {  System.***out***.println("launching ie browser");  System.*setProperty*("webdriver.ie.driver", ".\\lib\\IEDriverServer.exe");  *driver* = **new** InternetExplorerDriver();  }  **if** (browsername.equalsIgnoreCase("htmlUnit")) {  *driver* = **new** HtmlUnitDriver();  }  **if** (browsername.equalsIgnoreCase("htmlUnitWithJs")) {  *driver* = **new** HtmlUnitDriver(**true**);  }  **if** (browsername.toLowerCase().contains("safari")) {  *driver* = **new** SafariDriver();  }  /\*  Depends on Project Requirments .....  It's just a matter of adding more browser specific dependencies and it should work fine :)  if (browserName.toLowerCase().contains("opera")) {  driver = new OperaDriver();  return driver;  }  if (browsername.toLowerCase().contains("phantomjs")) {  driver = new ();  return driver;  }  if (browsername.toLowerCase().contains("android")) {  driver = new ();  return driver;  }  if (browsername.toLowerCase().contains("ipad")) {  driver = new ();  return driver;  }  if (bbrowsername.toLowerCase().contains("iphone")) {  driver = new ();  return driver;  }  \*/  System.***out***.println("navigating application");  *driver*.get(***URL***);  *driver*.manage().timeouts().implicitlyWait(10, TimeUnit.***SECONDS***);  }  @Test  **public** **void** paly\_push() **throws** InterruptedException {  // driver.switchTo().frame("envrmnt\_0762559c-9f13-44d6-9de3-5d7b0feebc12");  JavascriptExecutor js = (JavascriptExecutor) *driver*;  /\*  \* js.executeScript(  \* "document.getElementByClassName('compass-reset').play()");  \* Thread.sleep(15000); js.executeScript(  \* "document.getElementByClassName('compass-reset').pause()");  \* Thread.sleep(15000);  \*/  js.executeScript("document.getElementById(\"play-pause-container\").play()");  Thread.*sleep*(15000);  js.executeScript("document.getElementById(\"play-pause-container\").pause()");  Thread.*sleep*(15000);  }  @AfterTest  **public** **void** afterTest() {  *driver*.quit();  System.***out***.println("quiting application!");  } |

**Task-3. Create an excel sheet with data validation and conditional formatting that shows multiple options which changes colors depending on the options (Hint: Be Creative)**

Excel Sheet with data validation and conditional formatting created with multiple option where User easy find those two requirement and able to take necessary action . **Please see Exhibit -2**

|  |  |  |
| --- | --- | --- |
| Requirements | Description | Validation colors |
| **Requirment-1:** | **Need to collect the Due if Total due more then $200** | |  | | --- | | Red | |
| **Requirment-2** | **Find the VIP Customers Name if Plan More then $ 200** | |  | | --- | |  | |

**Environment Setup :**

1. **MS Windows 10**
2. **Microsoft Office Excel 2007**

**Result : Please find the details Assignment result EXHIBIT-2**

**[](Assignment%20task%203/Exhibit%202.xlsx)**

**Task-4. Launch a website on an Android device (Hint: Appium)**

Environment Setup :

1. Java 8 installed
2. Eclipse Neon installed
3. Appium Installed
4. Devices connected
5. Firefox version 47.1
6. Selenium version 2.53
7. Setup lib folder inside Eclipse Project with browser.exe
8. TestNG version 6.12
9. Please add dependency on your Eclipse Maven Project in POM.xml

Please click following file to add Dependencies

[](Assignment%20task%204/pom.xml)

1. Add Java Class on Eclipse Project

[](Assignment%20task%204/Assignment_4_Launch_a_website_on_an_Android_device.java)

Please find the sample coding :

|  |
| --- |
| /\*\*  \* Author: MD SHOHID H. PATOARY  \*/  import java.net.MalformedURLException;  import java.net.URL;  import java.util.concurrent.TimeUnit;  import org.openqa.selenium.remote.DesiredCapabilities;  import org.testng.annotations.Test;  import io.appium.java\_client.android.AndroidDriver;  import io.appium.java\_client.remote.AndroidMobileCapabilityType;  import io.appium.java\_client.remote.MobileCapabilityType;  import io.appium.java\_client.remote.MobilePlatform;  public class Assignment\_4\_Launch\_a\_website\_on\_an\_Android\_device {  public static String baseurl;  @Test  public void beforeMethod() throws MalformedURLException {  // Please changed Capabilities and setup Environment as per requirements  DesiredCapabilities cap = new DesiredCapabilities();  cap.setCapability(MobileCapabilityType.BROWSER\_NAME, "chrome");  cap.setCapability(MobileCapabilityType.PLATFORM\_NAME, MobilePlatform.ANDROID);  cap.setCapability(MobileCapabilityType.DEVICE\_NAME, "Android Device");  cap.setCapability(MobileCapabilityType.PLATFORM\_VERSION, "6.0.1");  cap.setCapability(MobileCapabilityType.NEW\_COMMAND\_TIMEOUT, 60);  cap.setCapability(AndroidMobileCapabilityType.APP\_PACKAGE, "com.android.chrome");  cap.setCapability(AndroidMobileCapabilityType.APP\_ACTIVITY, "com.google.android.apps.chrome.Main");  // Instantiating android driver  AndroidDriver driver = new AndroidDriver(new URL("http://0.0.0.0:4723/wd/hub"), cap);  // Launch a website on an Android device  baseurl = "https://finance.yahoo.com";  driver.get(baseurl);  driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);  System.out.println("Navigated to Yahoo Finance mobile web application");  driver.quit();  }  } |