

1.Problem Statement

Configure the chrome browser and navigate to <http://magento.com>. Automate all the features in the registration page using XPATH locator except captcha.

2.Source code:

```
package com.ibm.seleniumconcepts;

import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.Select;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import java.util.concurrent.TimeUnit;
import org.openqa.selenium.By;
import org.openqa.selenium.support.ui.WebDriverWait;

public class Registration {
    // Declaration of Main method
    public static void main(String[] args) {

        // Setting Chrome Driver
        System.setProperty("webdriver.chrome.driver",
"./drivers/chromedriver.exe");
        WebDriver driver = new ChromeDriver();
        // Implementing implicit wait for 30 seconds
        driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);
        WebDriverWait wait = new WebDriverWait(driver, 60);

        // Launching the web site
        driver.get("http://magento.com");

        // Locating the web element user icon
        WebElement myAccountElt =
driver.findElement(By.xpath("//span[text()='Account']/ancestor::a"));
        myAccountElt.click();

        // Locating the Register button
        WebElement registerElt =
driver.findElement(By.xpath("//button[@type='button']"));
        registerElt.click();

        // Locating firstname text box element
        WebElement firstnameElt =
driver.findElement(By.xpath("//input[@id='firstname']"));
        firstnameElt.sendKeys("Srinivas");

        // Locating lastname text box element
        WebElement lastnameElt =
driver.findElement(By.xpath("//input[@name='lastname']"));
        lastnameElt.sendKeys("Thatikonda");
    }
}
```

```

        // Locating email-address text box element
        WebElement emailElt =
driver.findElement(By.xpath("//input[@id='email_address']"));
        emailElt.sendKeys("srinivas.nirmal@gmail.com");

        // Locating country dropdown element
        WebElement countryElt =
driver.findElement(By.xpath("//select[@id='country']"));
        Select selectCountry = new Select(countryElt);
        selectCountry.selectByVisibleText("India");

        // Locating My company dropdown element
        WebElement companyElt =
driver.findElement(By.xpath("//select[@name='company_type']"));
        Select selectCompany = new Select(companyElt);
        selectCompany.selectByValue("analyst_media");

        // Locating My role dropdown element
        WebElement roleElt =
driver.findElement(By.xpath("//select[@name='individual_role']"));
        Select selectRole = new Select(roleElt);
        selectRole.selectByVisibleText("Technical/developer");

        // Locating password text box element
        WebElement passwordElt =
driver.findElement(By.xpath("//input[@id='password']"));
        passwordElt.sendKeys("Sreeram123*");

        // Locating confirm password text box element
        WebElement confirmElt =
driver.findElement(By.xpath("//input[@id='confirmation']"));
        confirmElt.sendKeys("Sreeram123*");

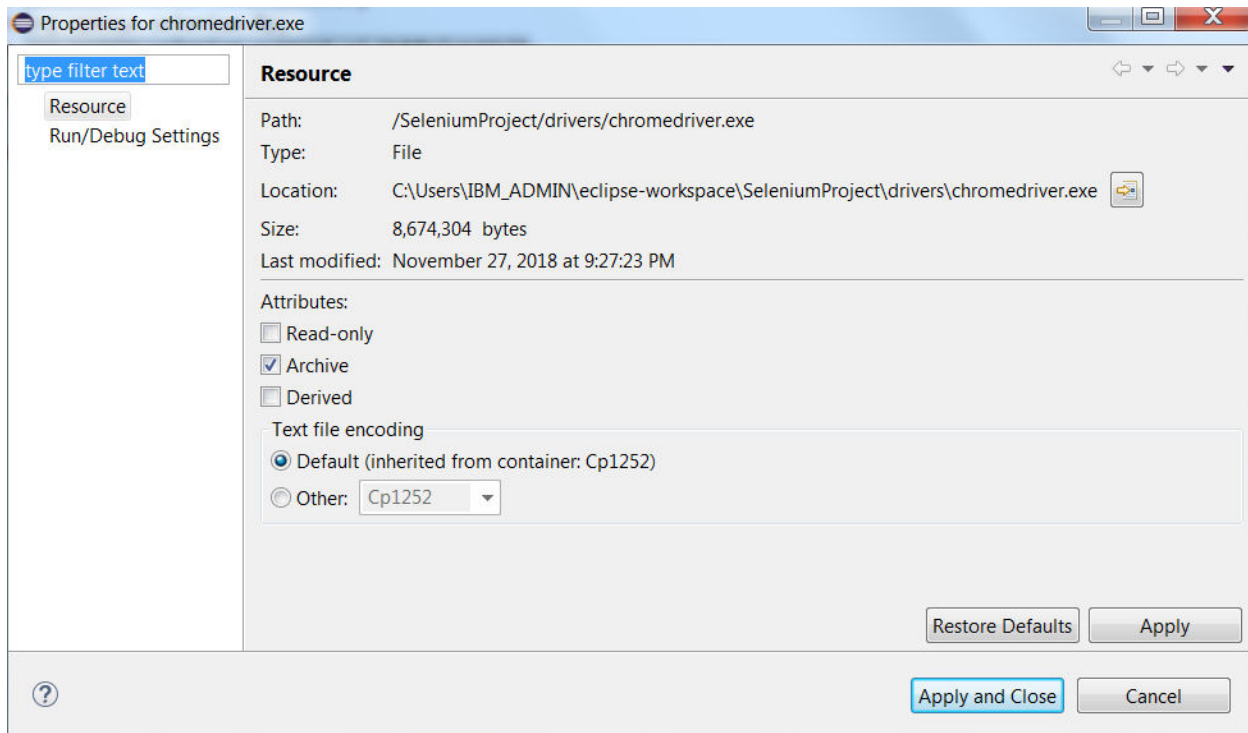
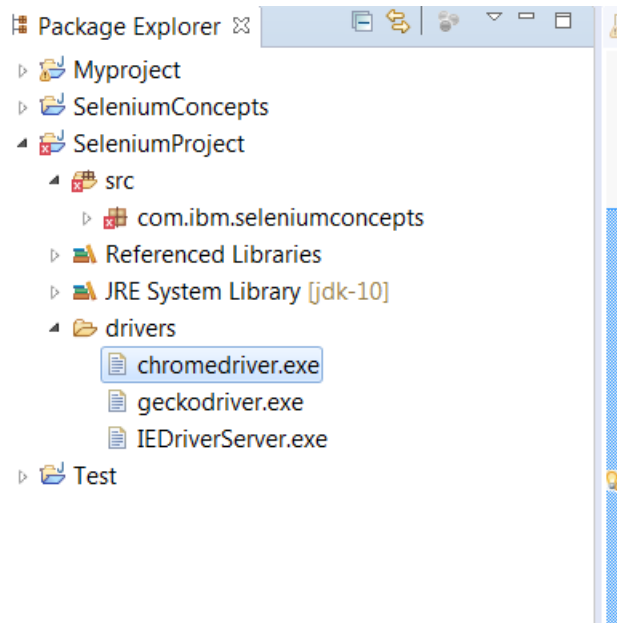
        // Locating Agree Terms check box
        WebElement agreeElt =
driver.findElement(By.xpath("//input[@id='agree_terms']"));
        agreeElt.click();

    }

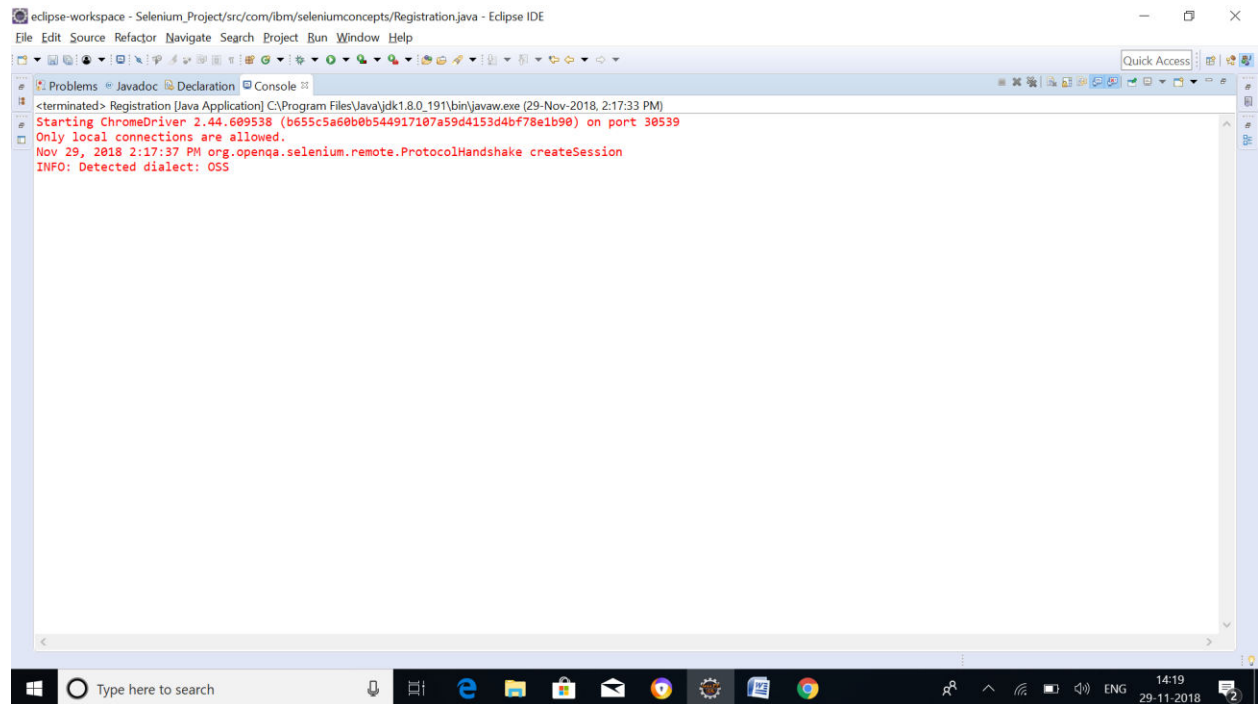
} // End of Program

```

Setting path for Chrome Driver:



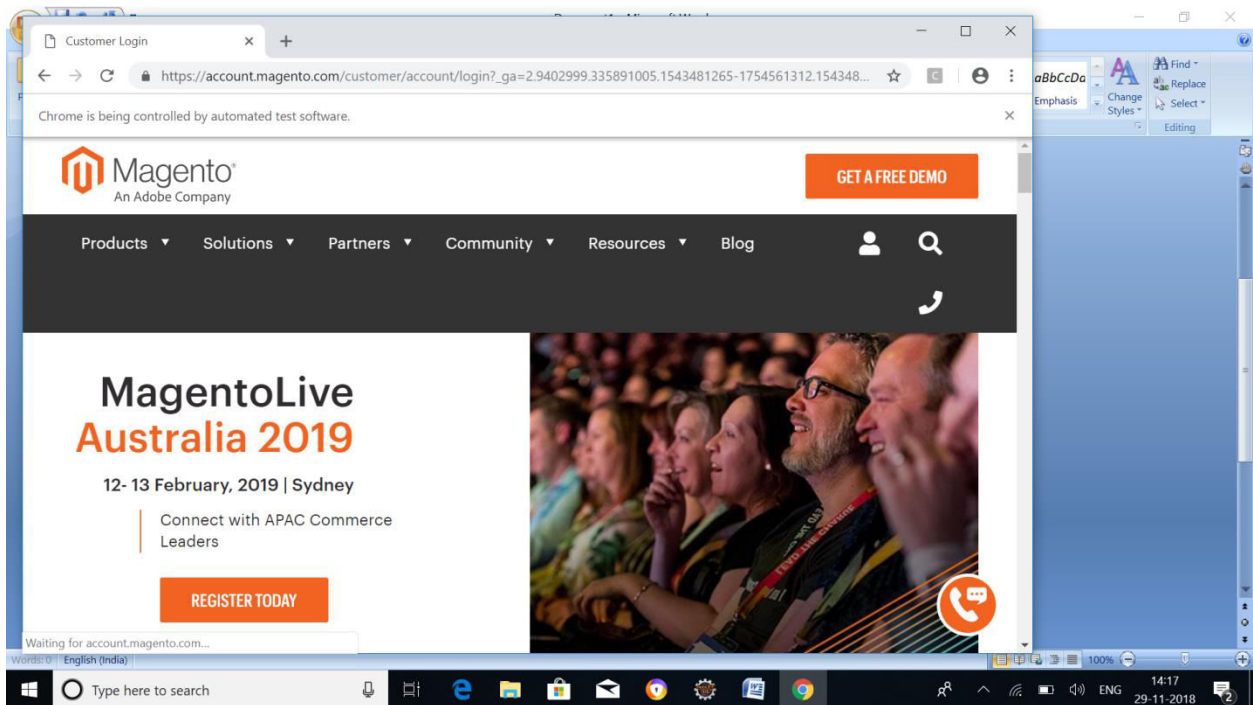
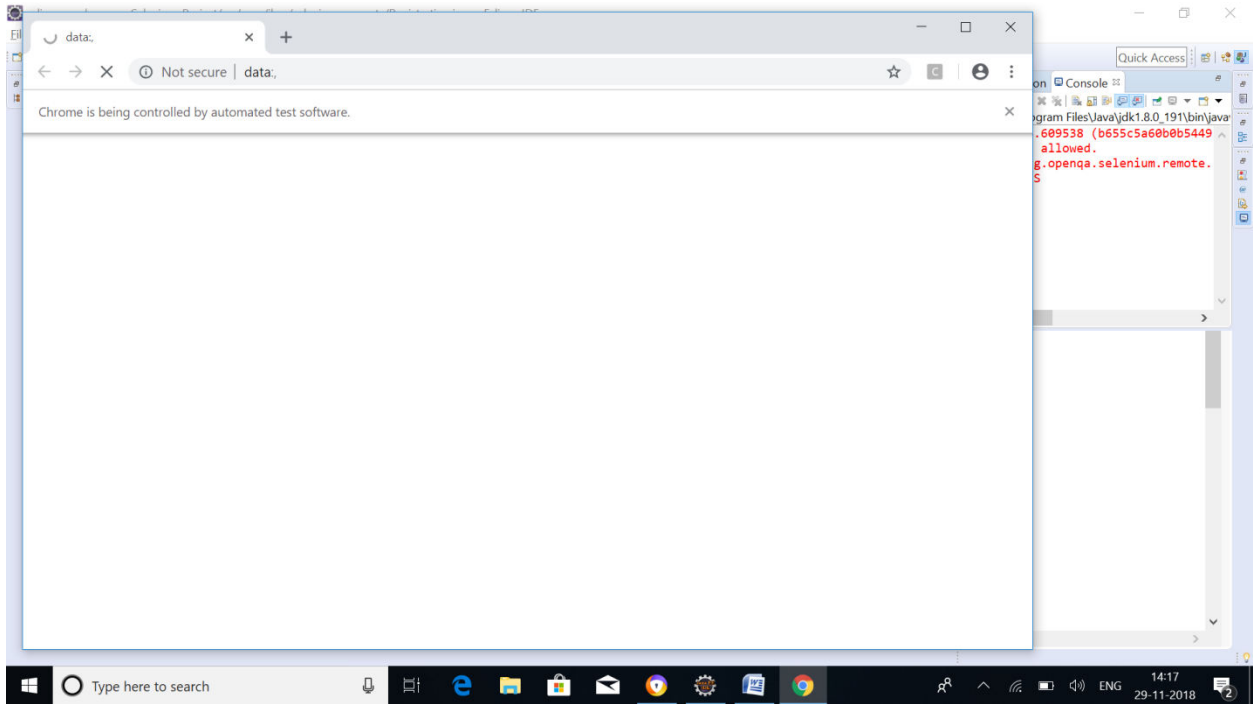
3.Output:

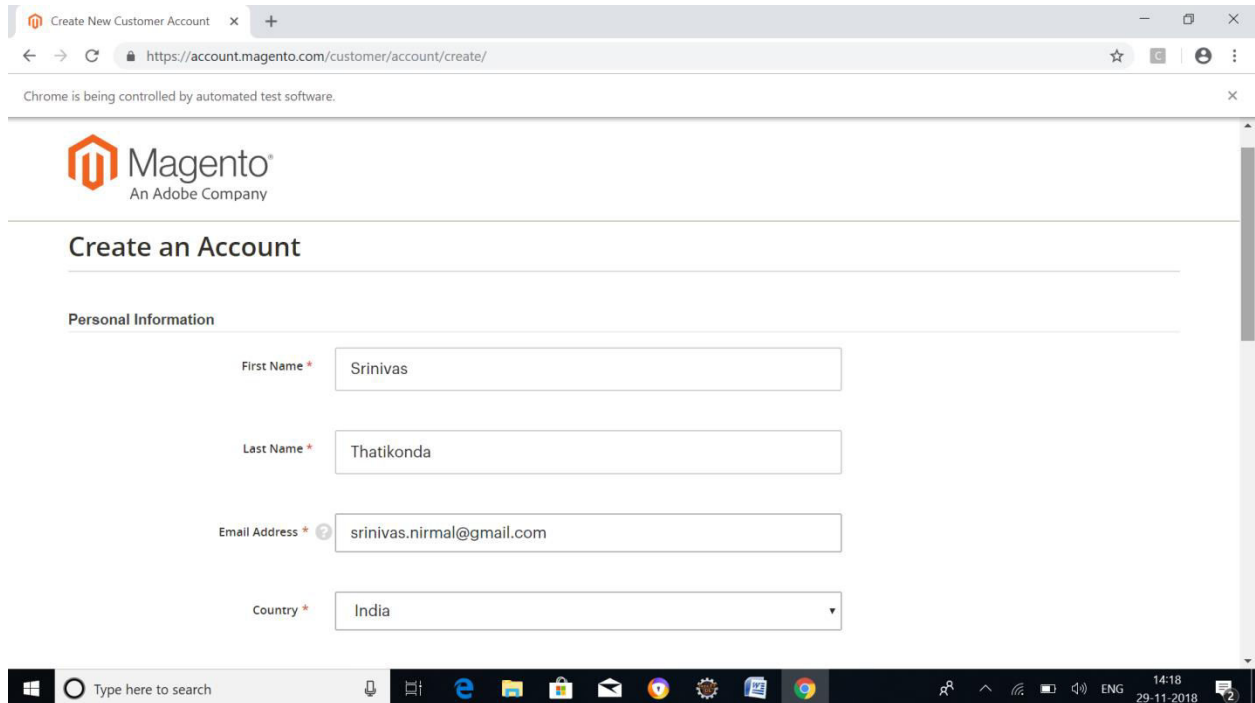
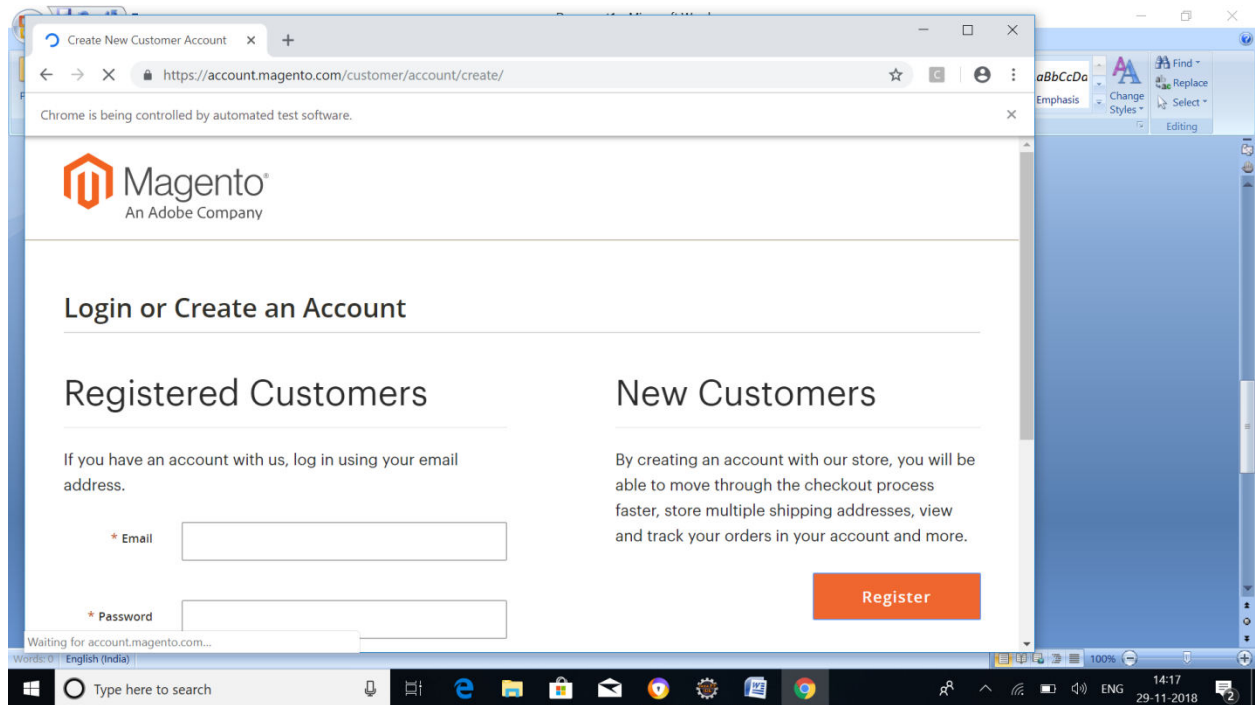


The screenshot shows the Eclipse IDE interface with the console window open. The console displays the following output:

```
<terminated> Registration [Java Application] C:\Program Files\Java\jdk1.8.0_191\bin\javaw.exe (29-Nov-2018, 2:17:33 PM)
Starting ChromeDriver 2.44.609538 (b655c5a60b544917107a59d4153d4bf78e1b90) on port 30539
Only local connections are allowed.
Nov 29, 2018 2:17:37 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: OSS
```

The Eclipse IDE title bar indicates the workspace is 'eclipse-workspace - Selenium_Project/src/com/ibm/seleniumconcepts/Registration.java - Eclipse IDE'. The menu bar includes File, Edit, Source, Refactor, Navigate, Search, Project, Run, Window, and Help. The toolbar contains various icons for file operations and development tools. The bottom status bar shows the system clock as 14:19 on 29-11-2018, along with language (ENG) and other system icons.






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4.Flow Information:

Initially the absolute path is set for chrome driver using System.setProperty method. The Webdriver object is created to instantiate Chrome Driver. An implicit wait of 30 seconds was set. The 'Get' method is used on web driver object to launch the site for 'www.magento.com'. Chrome browser is launched with web site and then click operation is performed on User icon. After clicking on it ,Login page is displayed with 'Register' button is displayed. When clicking on Register button Create Account page is displayed with web elements first name, last name, email address, country, my company primary, my role, password, confirm password and check box for agree terms. The object is created for 'Web Element' class and using findElemnt method with xpath as parameter to locate all the above mentioned web elements and set the values with using send keys method or selected with available values of dropdown fields. After running the program , automatically the required fields are set with values and displayed.