**package** LaunchBrowser;

**import** java.time.Duration;

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

**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.remote.DesiredCapabilities;

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

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

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

**public** **class** GoogleChrome {

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

// **TODO** Auto-generated method stub

System.*setProperty*("webdriver.chrome.driver", "F:\\Selenium drivers//chromedriver.exe");

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

options.addArguments("--disable-web-security");

options.addArguments("--allow-running-insecure-content");

DesiredCapabilities capabilities = **new** DesiredCapabilities();

//To disable security features, we can use ChromeOptions and DesiredCapabilities in Selenium to configure the ChromeDriver instance.

capabilities.setCapability(ChromeOptions.***CAPABILITY***, options);

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

driver.get("https://www.google.com/");

driver.findElement(By.*xpath*("//\*[@id=\"gb\"]/div/div[2]/a/span")).click();

driver.findElement(By.*id*("identifierId")).sendKeys("abc@gmail.com");

//We get the message in URL as : https://accounts.google.com/v3/signin/rejected?continue=https%3A%2F%2Fwww.google.com%2F&dsh=S923250917%3A1686379584497746&epd=ARH0xVOq2DlN-zyhzjBCY5egxoVqaR6ANTtY8zWk6S17JbzJmQo4t4ArJQ&flowEntry=ServiceLogin&flowName=GlifWebSignIn&hl=en&idnf=smitavlale%40gmail.com&ifkv=Af\_xneE1QfRwNVYg8-hB8VaAZW3TNtqZCTeFuR3TDdnYfLSToTWXbVgexjqq0HxUjkE4xBw5l9gyBQ&rhlk=le&rrk=46

driver.findElement(By.*xpath*("//\*[@id=\"identifierNext\"]/div/button")).click();

//Trial for to view the password field by using wait WebDriverWait wait = new WebDriverWait(driver, 10);

//wait.until(ExpectedConditions.visibilityOfElementLocated(By.id("Passwd"))).sendKeys("xyz");

//Trial for to view the password field by using implicitly as mentioned below:

//wait WebDriver gmail;

//gmail.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);

//driver.manage().timeouts().implicitlyWait(5, TimeUnit.SECONDS);

//Trial for to view the password field by using Fluent wait as mentioned below:

//FluentWait<WebDriver> wait1 = new FluentWait<>(driver);

//FluentWait<WebDriver> wait

//Trial for to view the password field by using Thread.sleep as mentioned below:

//Thread.sleep(3000);

//WebElement element = wait.until(ExpectedConditions.visibilityOfElementLocated(By.id("Passwd")));

driver.findElement(By.*xpath*("//span[contains(text(),'Next')]")).sendKeys("xyz");

//OR Use wait.until(ExpectedConditions.visibilityOfElementLocated(By.name("Passwd")));

//driver.findElement(By.name("Passwd")).sendKeys("123456");

//driver.findElement(By.id("passwordNext")).click();

//wait1.until(ExpectedConditions.titleContains("Inbox"));

driver.findElement(By.*xpath*("//div[contains(text(),'Compose')]")).click();

driver.findElement(By.*id*(":1ie")).sendKeys("recipient@example.com");

driver.findElement(By.*name*("subjectbox")).sendKeys("Incubyte Deliverables:1");

driver.switchTo().frame(driver.findElement(By.*cssSelector*("div[role='dialog'] iframe")));

driver.findElement(By.*xpath*("//div[@id=':1fq']")).sendKeys("Automation QA test for Incubyte");

driver.switchTo().defaultContent();

driver.findElement(By.*xpath*("//div[@id=':1e7']")).click();

FluentWait<WebDriver> wait1 = **null**;

wait1.until(ExpectedConditions.*textToBe*(By.*cssSelector*("span.bAq"), "Message sent."));

driver.close();

}

}

While automating Gmail account get error message as

<https://accounts.google.com/v3/signin/rejected?continue=https%3A%2F%2Fwww.google.com%2F&dsh=S-2130608243%3A1686381356389906&epd=ARH0xVMKHblBgEN8vyHLdAOXUxFjl6NEN-yIHzS2PaSm0NPwy7d8k2aaRQ&flowEntry=ServiceLogin&flowName=GlifWebSignIn&hl=en&idnf=smitavlale%40gmail.com&ifkv=Af_xneEUeROInR1Pq0ySp23yCP2TYcMeiEFjXH8BsC3d1nF_n71TkQdmdfpFxAsUqBeT_4mG6jvNDw&rhlk=le&rrk=46>

So all the possibilities as All waits(Wait. Implicit and Fluent) and Desired Capabilities are used to overcome the Problem but coulden’t get the password text box as it is authorized by Google.

So all possible conditions are mentioned in the code in comment Line.