

Program 1: Develop a Test to Open a Chrome Browser Using Selenium Web Driver

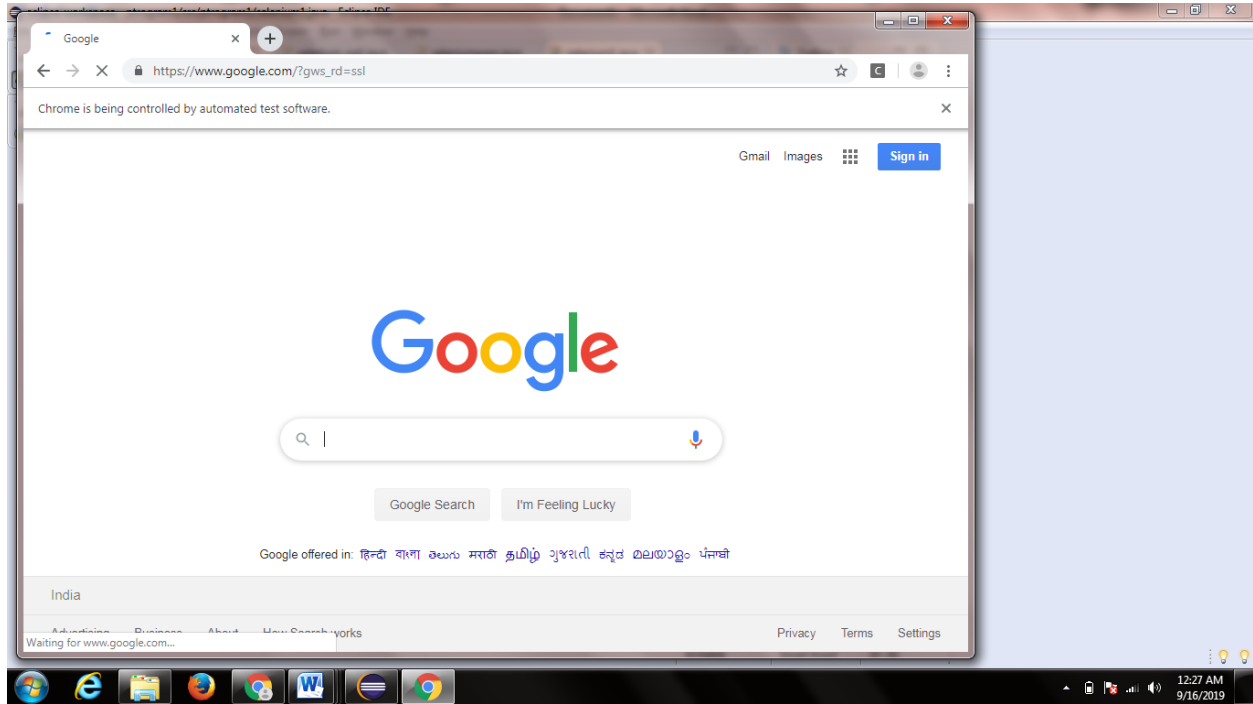
```
package program1;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;

public class selenium1 {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        System.setProperty("webdriver.chrome.driver", "/home/skasc/Downloads/chromedriver");
        WebDriver driver=newChromeDriver();
        driver.get("http://www.google.com");
    }

}
```

OUTPUT



Program 2: Print a Message to Display That the Website Is Opened Successfully Wait For 5 Seconds and Close the Browser

```
package ptprogram1;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;

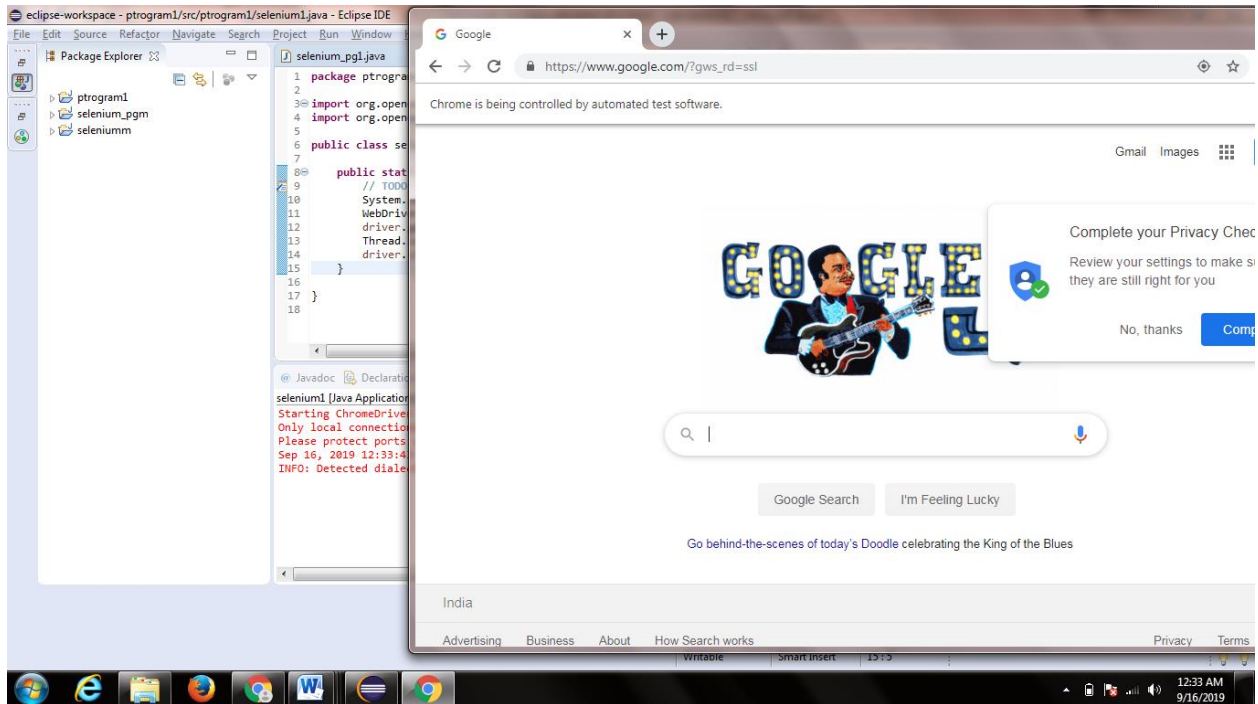
public class selenium1 {

    public static void main(String[] args) throws InterruptedException {
        // TODO Auto-generated method stub
        System.setProperty("webdriver.chrome.driver", "/home/skasc/Downloads/chromedriver");
        WebDriver driver = new ChromeDriver();
        driver.get("http://www.google.com");
        System.out.println("WEBSITE IS OPENED SUCCESSFULLY");
        Thread.sleep(5000);
        driver.close();

    }

}
```

OUTPUT



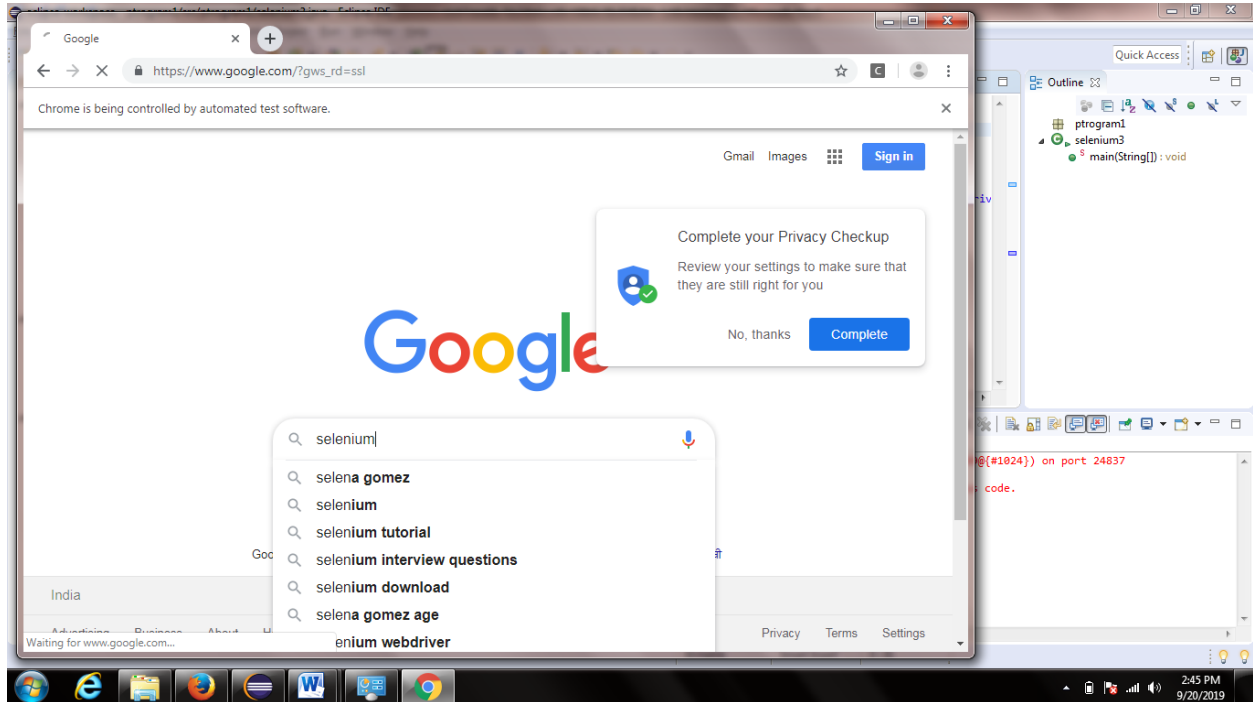
```
Starting ChromeDriver 76.0.3809.126 (d80a294506b4c9d18015e755cee48f953ddc3f2f-refs/branch-heads/380)
Only local connections are allowed.
Please protect ports used by ChromeDriver and related test frameworks to prevent access by malicious software.
Sep 16, 2019 12:36:44 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
WEBSITE IS OPENED SUCCESSFULLY
```

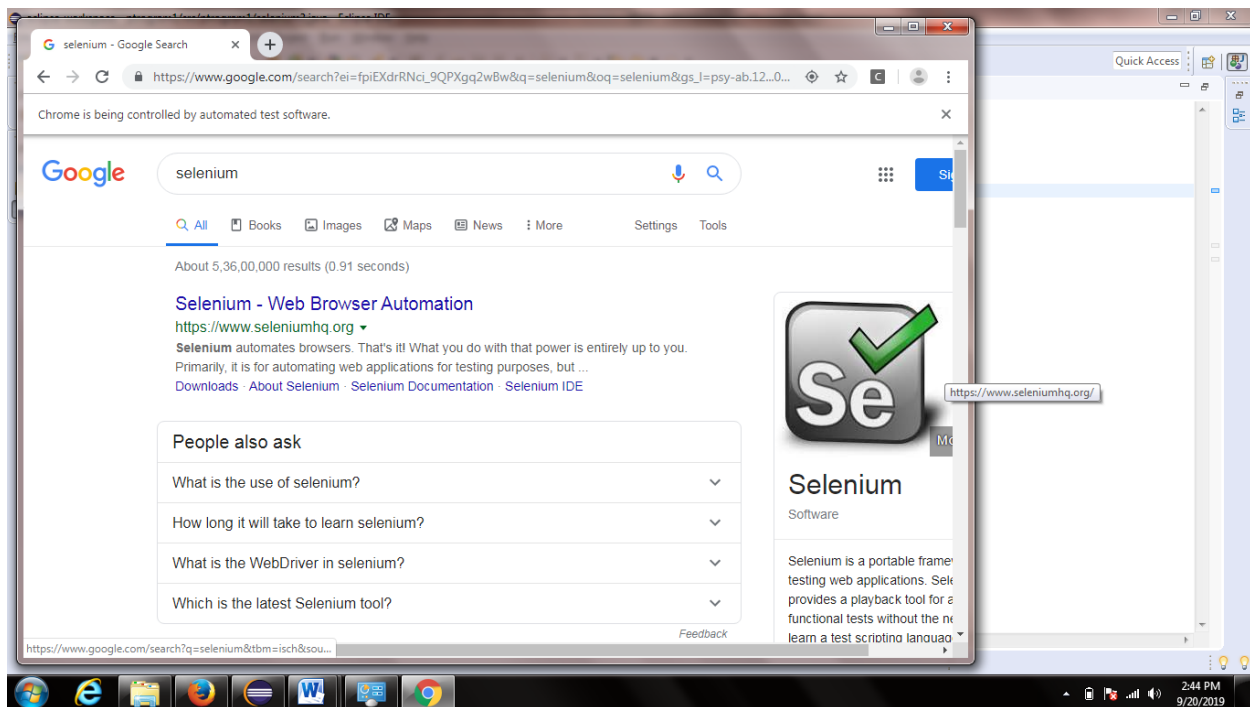
Program 3: Develop Tests to Upload a File with Send Keys Method by Using Web Driver

```
package ptprogram1;

import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
public class selenium3 {
    public static void main(String[] args) throws InterruptedException {
        // TODO Auto-generated method stub
        System.setProperty("webdriver.chrome.driver", "/home/skasc/Downloads/chromedriver");
        WebDriver driver = new ChromeDriver();
        driver.get("http://www.google.com");
        driver.findElement(By.name("q")).sendKeys("selenium");
        driver.findElement(By.name("q")).sendKeys(Keys.ENTER);
        driver.findElement(By.className("Tg7LZd")).click();
    }
}
```

OUTPUT





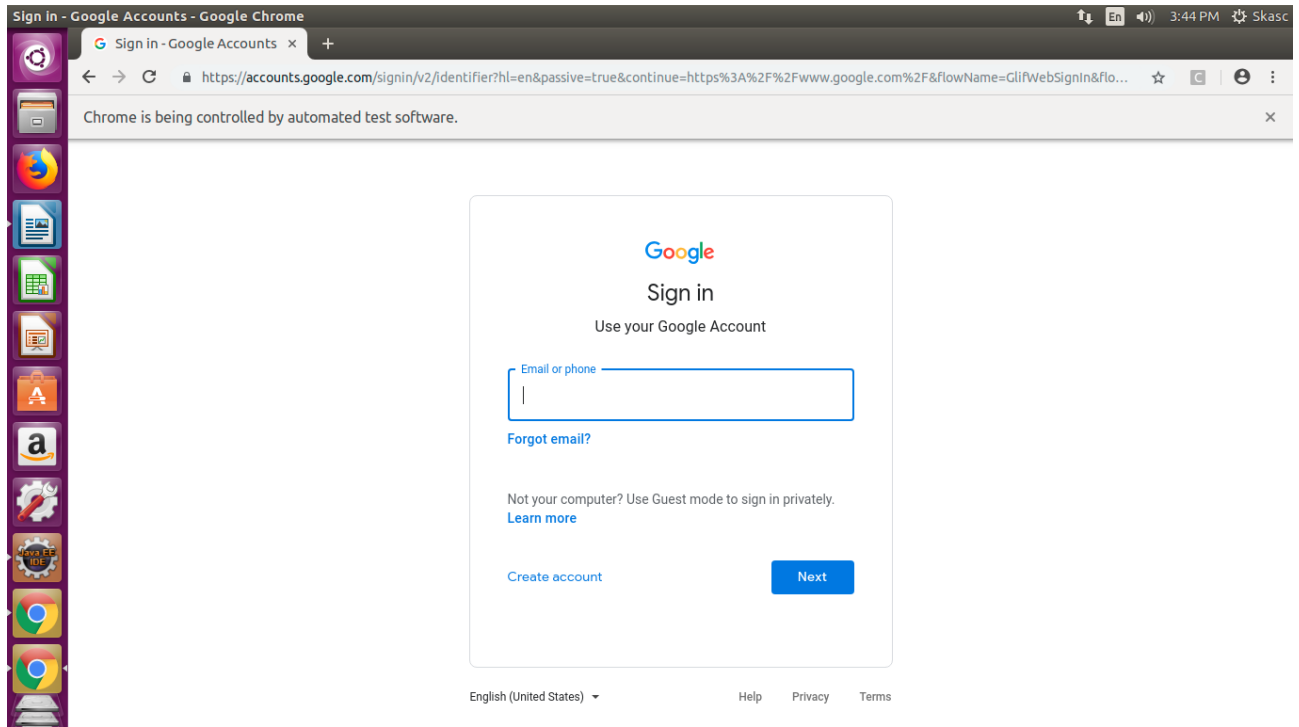
Program 4: Automate To Access A Link In Selenium Web Driver By Linktext() And Partiallinktext()

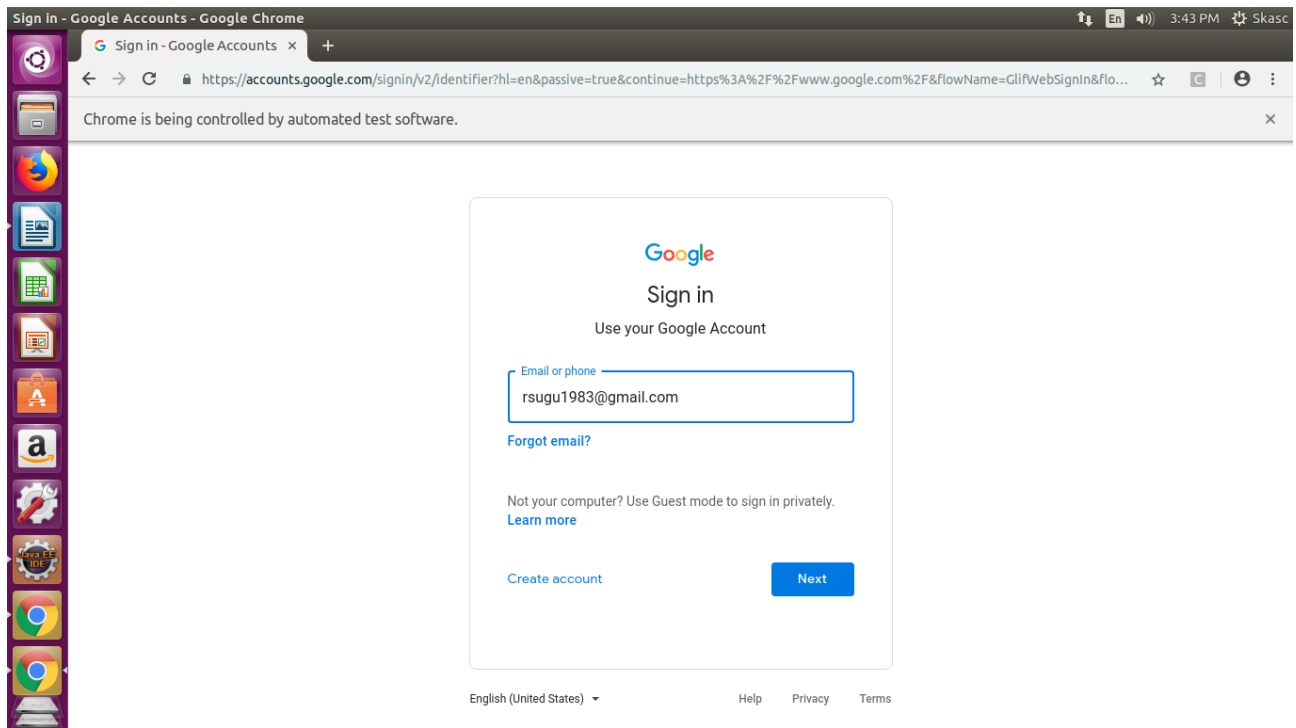
```
packagenewpackage;
importorg.openqa.selenium.By;
importorg.openqa.selenium.WebDriver;
importorg.openqa.selenium.chrome.ChromeDriver;

public class selenium4 {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        System.setProperty("webdriver.chrome.driver","/home/skasc/Downloads/chromedriver");
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.google.com");
        driver.findElement(By.linkText("Sign in")).click();
        driver.findElement(By.partialLinkText("Sign")).click();
        driver.findElement(By.id("identifierId")).sendKeys("rsugu1983@gmail.com");
    }
}
```


OUTPUT





Program 5: Locate a Link by Selecting Multiple Items In A Dropdown

```
package newpackage;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;

public class selenium5 {

    public static void main(String[] args) throws InterruptedException {
        // TODO Auto-generated method stub
        System.setProperty("webdriver.chrome.driver", "/home/skasc/Downloads/chromedriver");
        WebDriver driver = new ChromeDriver();
        driver.get("https://portal2.passportindia.gov.in/AppOnlineProject/user/RegistrationBaseAction");
        driver.manage().window().maximize();
        Select passportoffice = new Select (driver.findElement(By.name("dcdLocation")));
        passportoffice.selectByIndex(5);
        Thread.sleep(2000);
        passportoffice.selectByValue("1");
        Thread.sleep(2000);
        passportoffice.selectByVisibleText("Chennai");
        Thread.sleep(2000);
    }
}
```

OUTPUT:

User Registration | Passport Seva - Google Chrome

https://portal2.passportindia.gov.in/AppOnlineProject/user/RegistrationBaseAction

Chrome is being controlled by automated test software.

Thursday, September 19, 2019 | 03:46:27 PM

Skip to main content | Screen Reader Access | Sitemap | Home A- A A+

Passport Seva
Consular, Passport & Visa Division
Ministry of External Affairs, Government of India

Passport Seva
Service Excellence

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419 POPSKs have been made operational in the Country. ** No applicant would be served at

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- Locate Common Service Centers
- Fee Calculator
- Appointment Availability Status **new!**
- Know your Police Station
- Quick Guides
- Tatkaal Appointment Opening Time
- Instructions Booklet
- All India Network of Passport Services

Forms and Affidavits

You are here : Home > New User Registration

User Registration

Important Information: Passport application can be processed at any PSK/POPSK/PSLK WITHIN INDIA irrespective of your residential address.
Fields marked with asterisk (*) are mandatory.

- Click here to check the appointment availability at all PSK/POPSK/PSLK.
- Click here to know more about Apply Anywhere in India scheme for Passport Services.

Register to apply at*

☐ CPV Delhi
☒ Passport Office

Select the 'CPV Delhi' option to apply for Diplomatic/Official passport at Consular, Passport and Visa (CPV) division, Delhi.

Passport Office *
(As per Present Residential Address)

Given Name (Max 45 Characters)*

Surname (Max 45 Characters)

Date of Birth (DD/MM/YYYY)*

E-mail Id (Max 35 Characters)*

Do you want your Login Id to be same as E-mail Id?

☐ Yes ☒ No

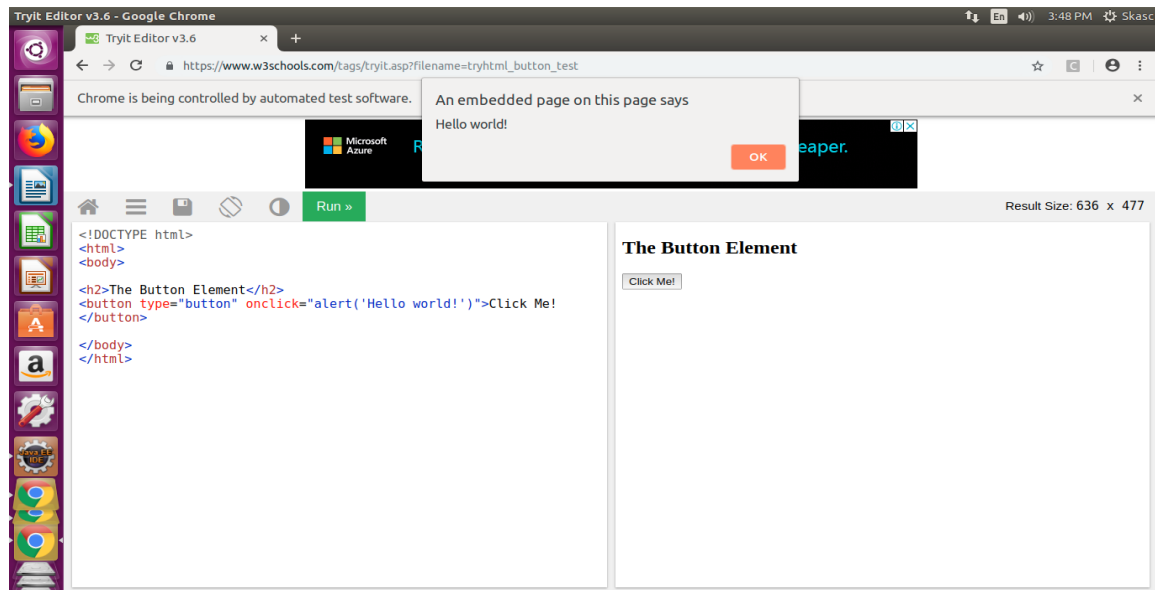
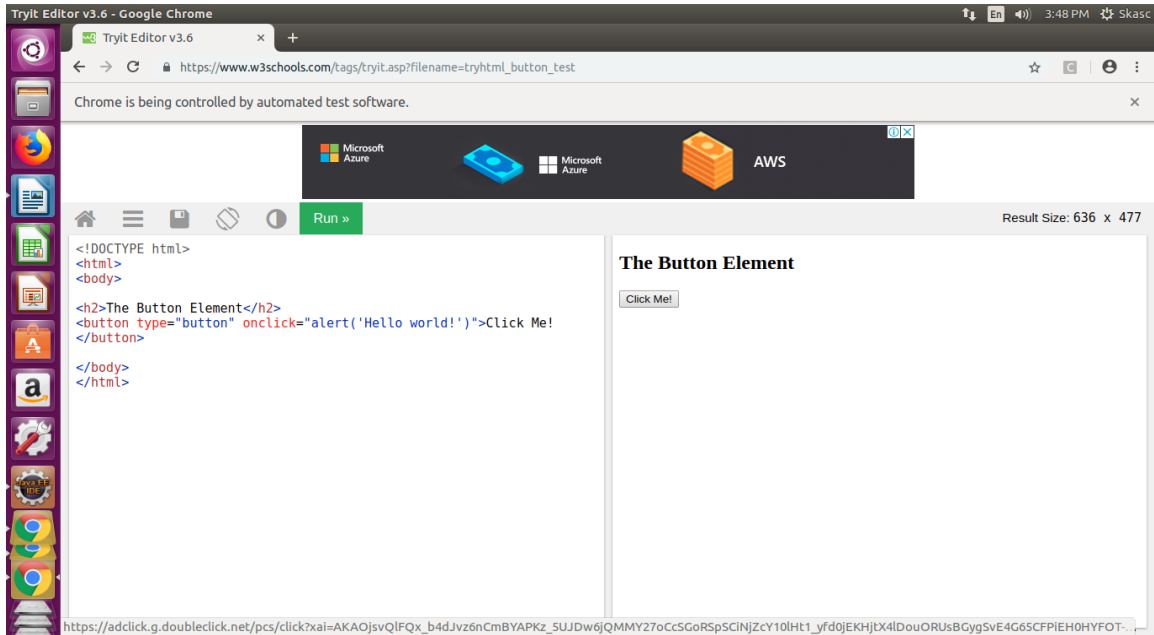
Tibetan Refugees applying for Identity Certificate must register with 'Delhi' Passport Office.
First Name + Middle Name
Initials and honorifics (e.g. Dr., Col., etc.) are not allowed.

Program 6: Develop a test To Locate a Frame Using Tag Name

```
packagenewpackage;
importorg.openqa.selenium.By;
importorg.openqa.selenium.WebDriver;
importorg.openqa.selenium.chrome.ChromeDriver;
public class selenium6 {
    public static void main(String[] args) throws InterruptedException {
        // TODO Auto-generated method stub

        System.setProperty("webdriver.chrome.driver", "/home/skasc/Downloads/chromedriver");
        WebDriver driver = new ChromeDriver();
        driver.get("https://www.w3schools.com/tags/tryit.asp?filename=tryhtml_button_test");
        driver.manage().window().maximize();
        driver.switchTo().frame("iframeResult");
        driver.findElement(By.xpath("/html/body/button")).click();
        driver.switchTo().defaultContent();
    }
}
```

OUTPUT:



Program 7:: Develop a Test to Synchronize with an implicit wait and explicit wait

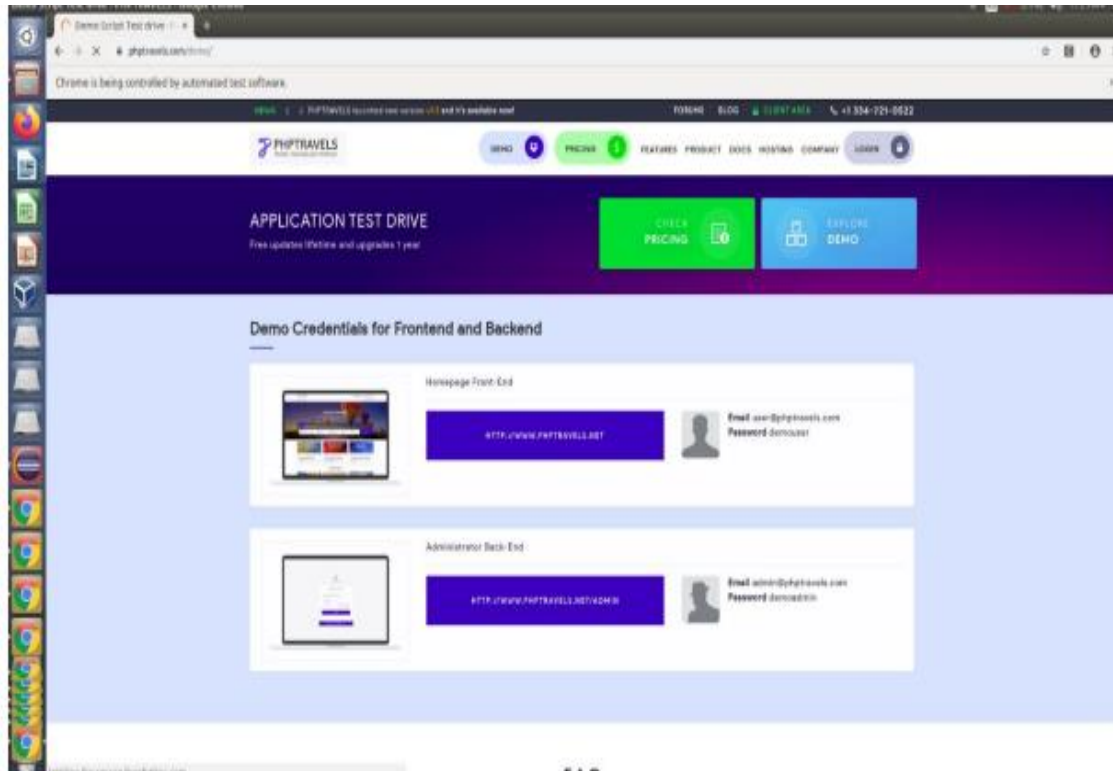
```
package pkg1;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import java.util.concurrent.TimeUnit;
public class p8
{
    public static void main(String[] args) throws InterruptedException
    {
        System.setProperty("webdriver.chrome.driver","/home/user/Downloads/
        chromedriver");

        WebDriver driver=new ChromeDriver();
        driver.get("https://phptravels.com/demo/");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(30,TimeUnit.SECONDS);
        driver.close();
    }
}
```

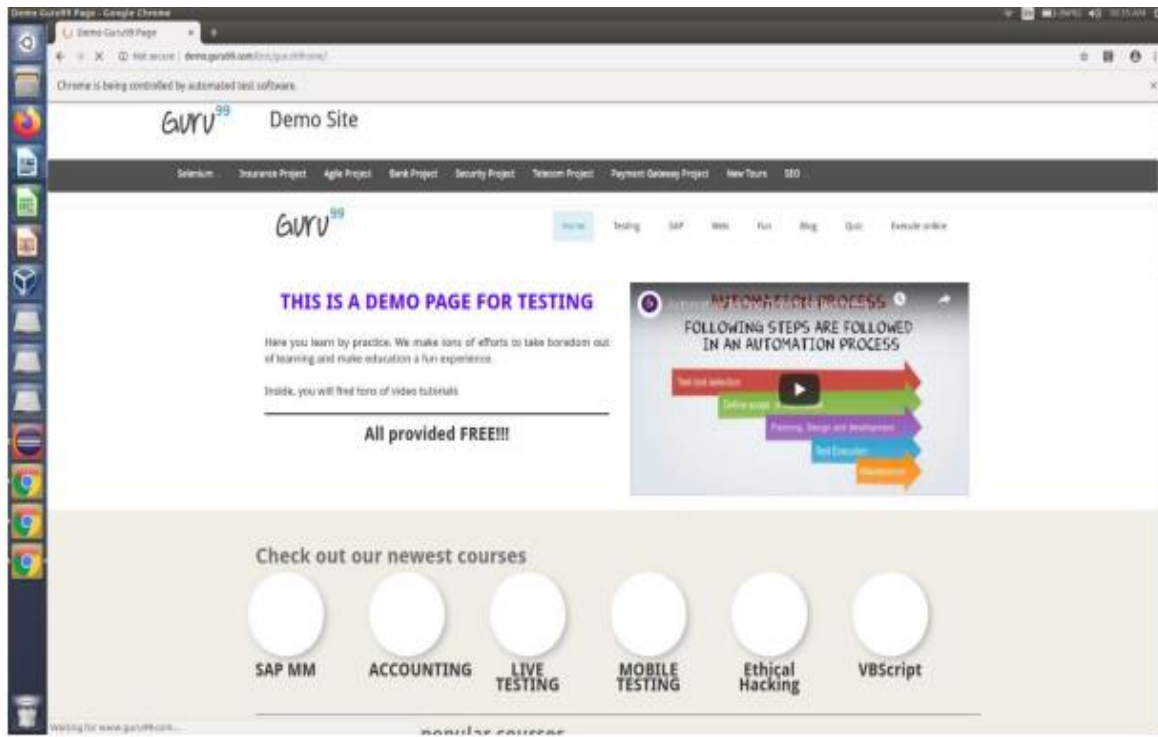
explicit wait

```
package pkg1;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.By;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.support.ui.WebDriverWait;
public class p9
{
    public static void main(String[] args) throws InterruptedException
    {
        System.setProperty("webdriver.chrome.driver","/home/user/Downloads/
        chromedriver (3)");
        WebDriver driver = new ChromeDriver();
        WebDriverWait wait=new WebDriverWait(driver, 20);
        driver.get("http://demo.guru99.com/test/guru99home/");
        driver.manage().window().maximize();
        WebElement guru99seleniumlink;
        guru99seleniumlink=wait.until(ExpectedConditions.visibilityOfElementLocated
        (By.xpath("/html/body/div[1]/section/div[2]/div/div[1]/div/div[1]/div/div/div/
        div[2]/div[2]/div/div/div/div/div[1]/div/div/a/i")));
        guru99seleniumlink.click();}}}
```

OUTPUT



OUTPUT

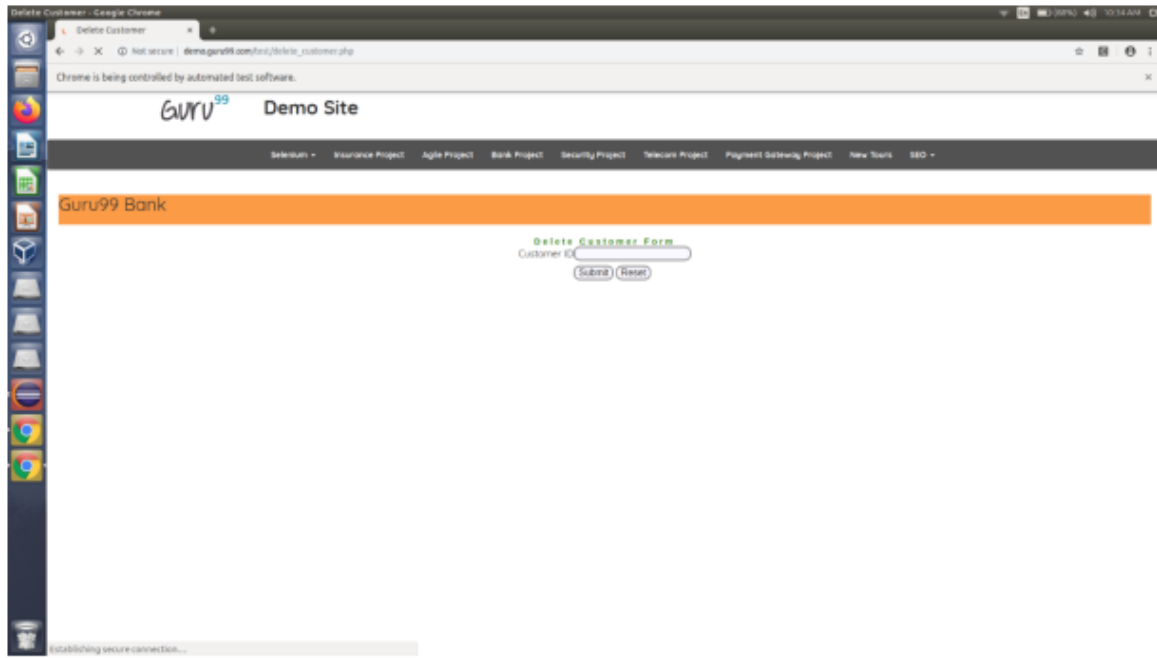


Program 8: Test the case by Identifying and handling a pop-up window by its name

```
package pkg1;
import org.openqa.selenium.By;
import org.openqa.selenium.Alert;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
public class p10
{
    public static void main(String[] args) throws InterruptedException
    {
        System.setProperty("webdriver.chrome.driver","/home/user/Downloads/
        chromedriver (3)");
        WebDriver driver = new ChromeDriver();
        driver.get("http://demo.guru99.com/test/delete_customer.php");
        driver.findElement(By.name("cusid")).sendKeys("53920");

        driver.findElement(By.name("submit")).submit();
        // Switching to Alert
        Alert alert = driver.switchTo().alert();
        // Capturing alert message.
        String alertMessage= driver.switchTo().alert().getText();
        // Displaying alert message
        System.out.println(alertMessage);
        Thread.sleep(5000);
        // Accepting alert
        alert.accept();
    }
}
```

OUTPUT

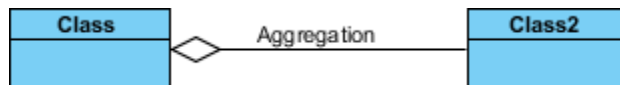


UML

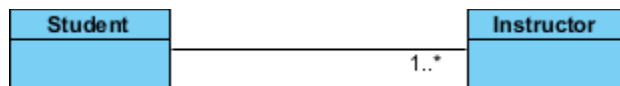
UNIFIED MODELING LANGUAGE

Program 9: Draw a Class Diagram with Associations and Relationships

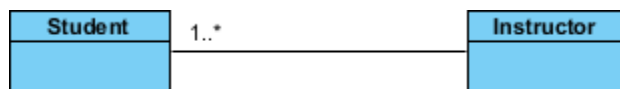
OUTPUT



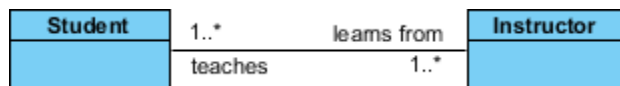
A single student can associate with multiple teachers:



The example indicates that every Instructor has one or more Students:

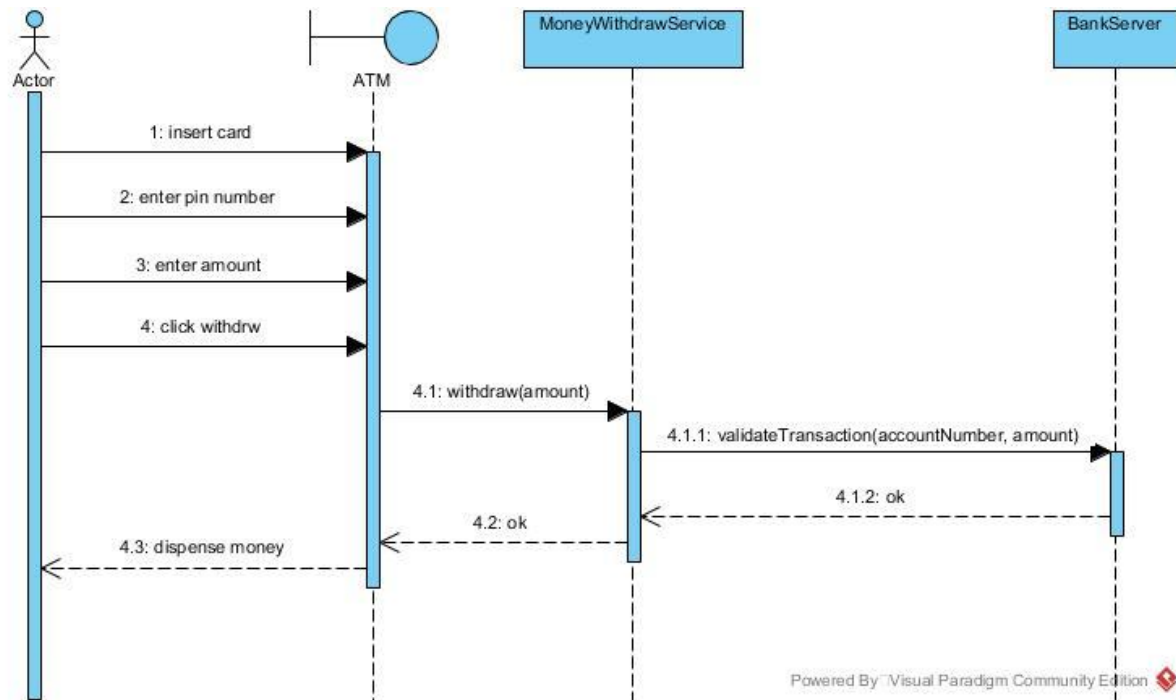


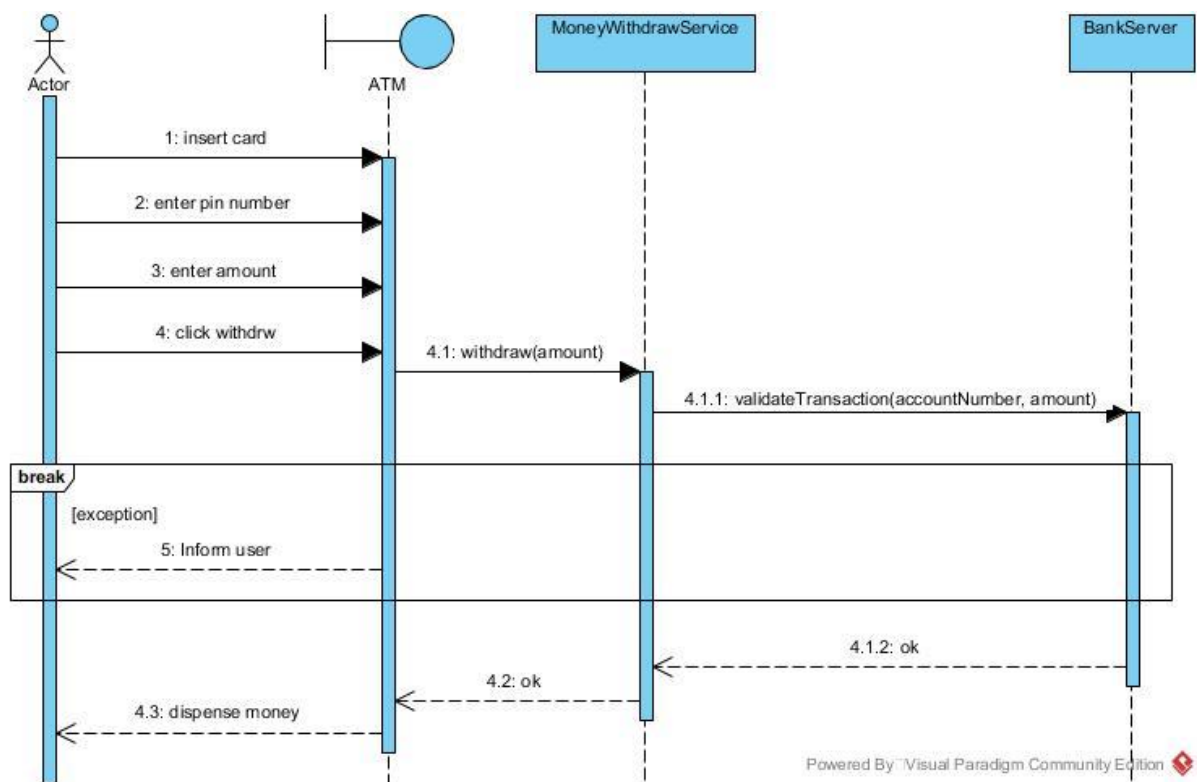
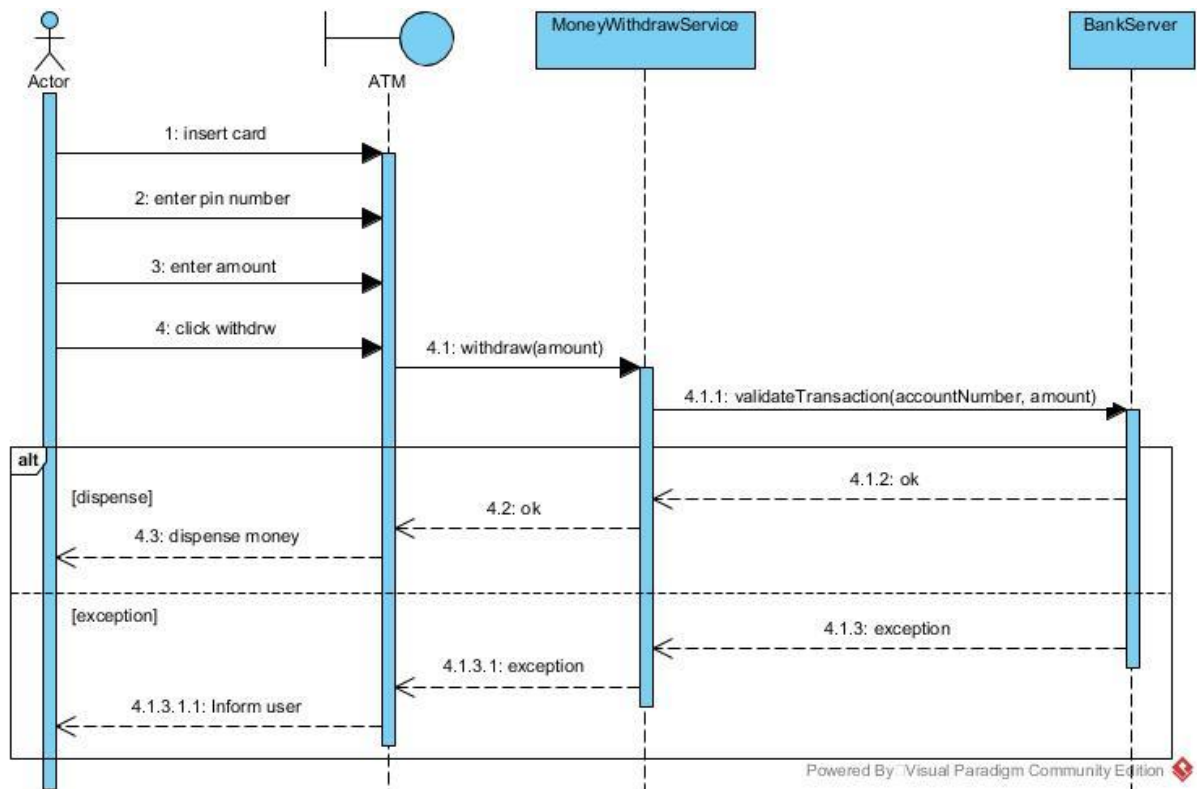
We can also indicate the behavior of an object in an association (i.e., the role of an object) using role names.



Program 10: Draw a Class Diagram with a real System to handle Exceptional condition

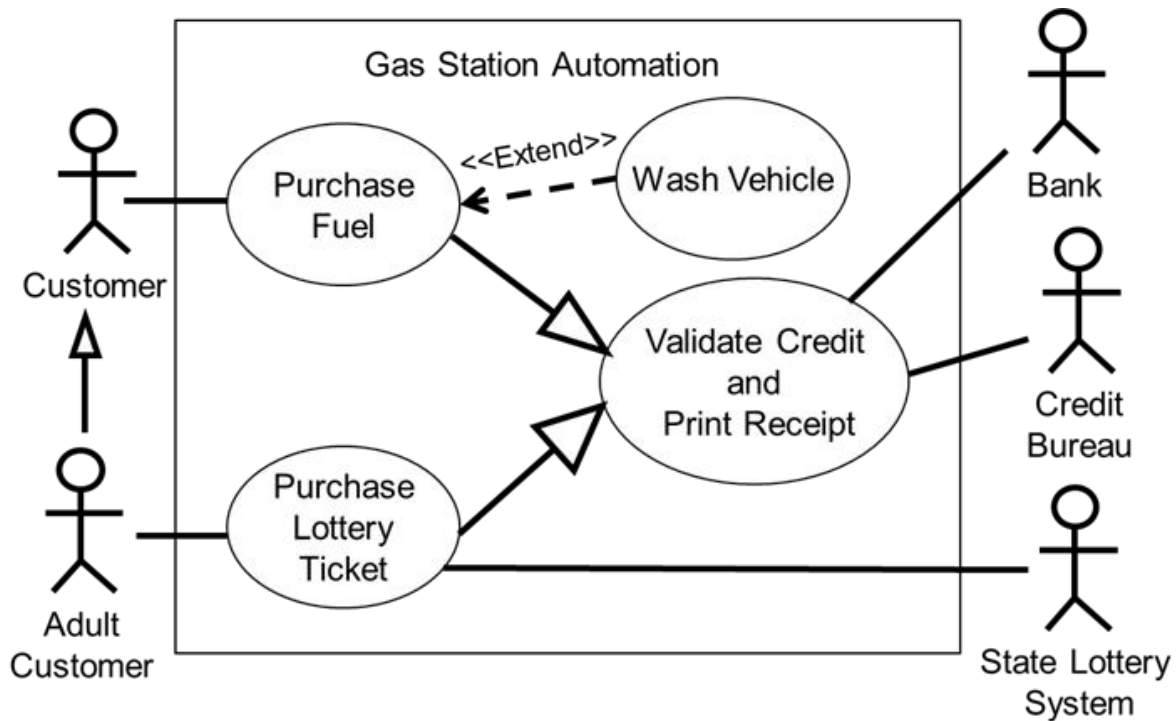
OUTPUT





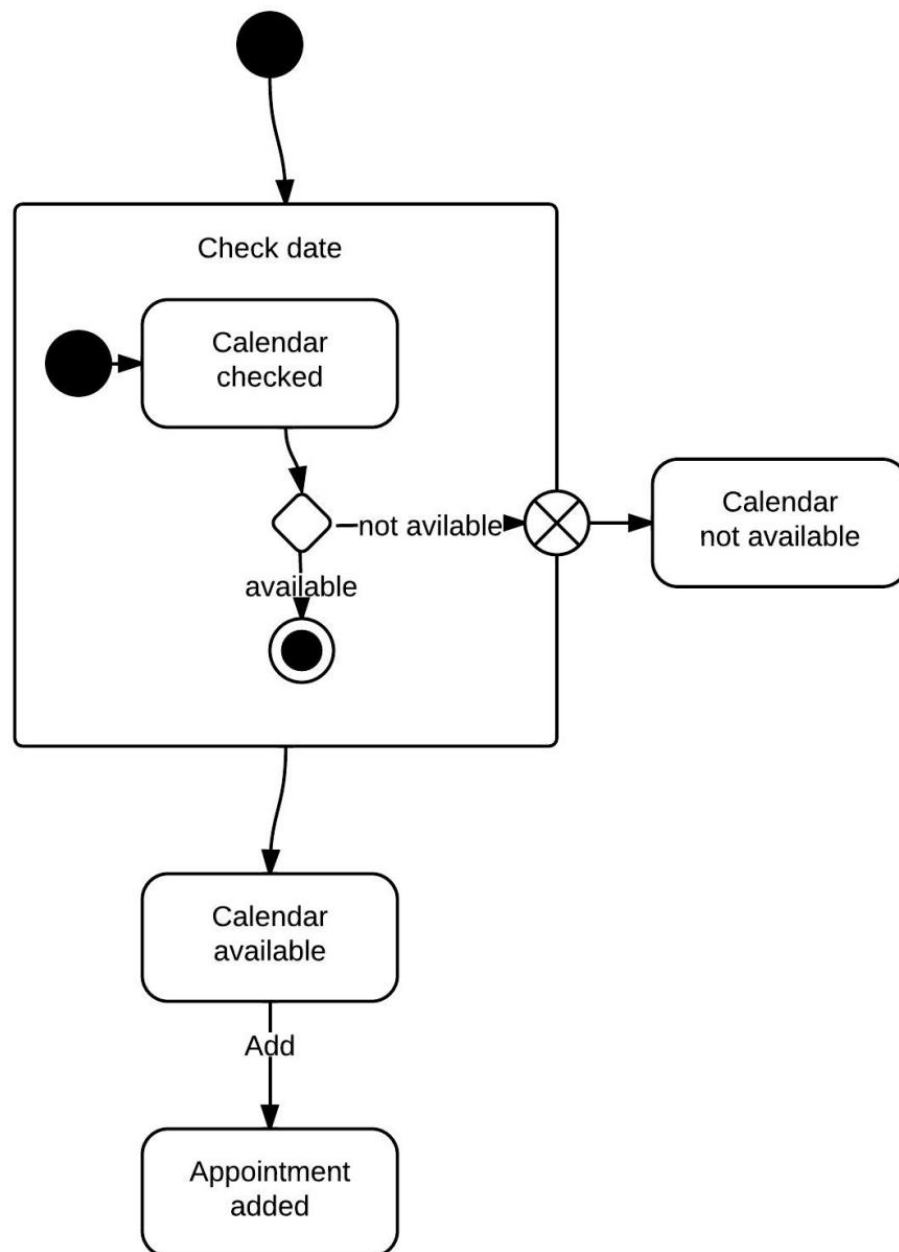
Program 11: Draw a Data Flow Diagram with Basic Attributes and real time scenario

OUTPUT



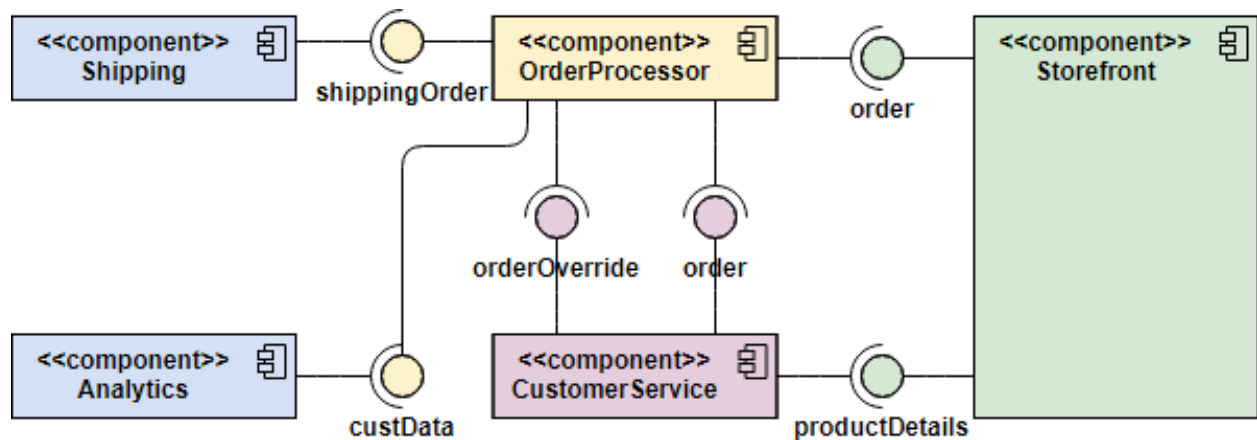
Program 12: Draw a State Diagram with essential States and Activity Diagram by considering the executional Facts

OUTPUT



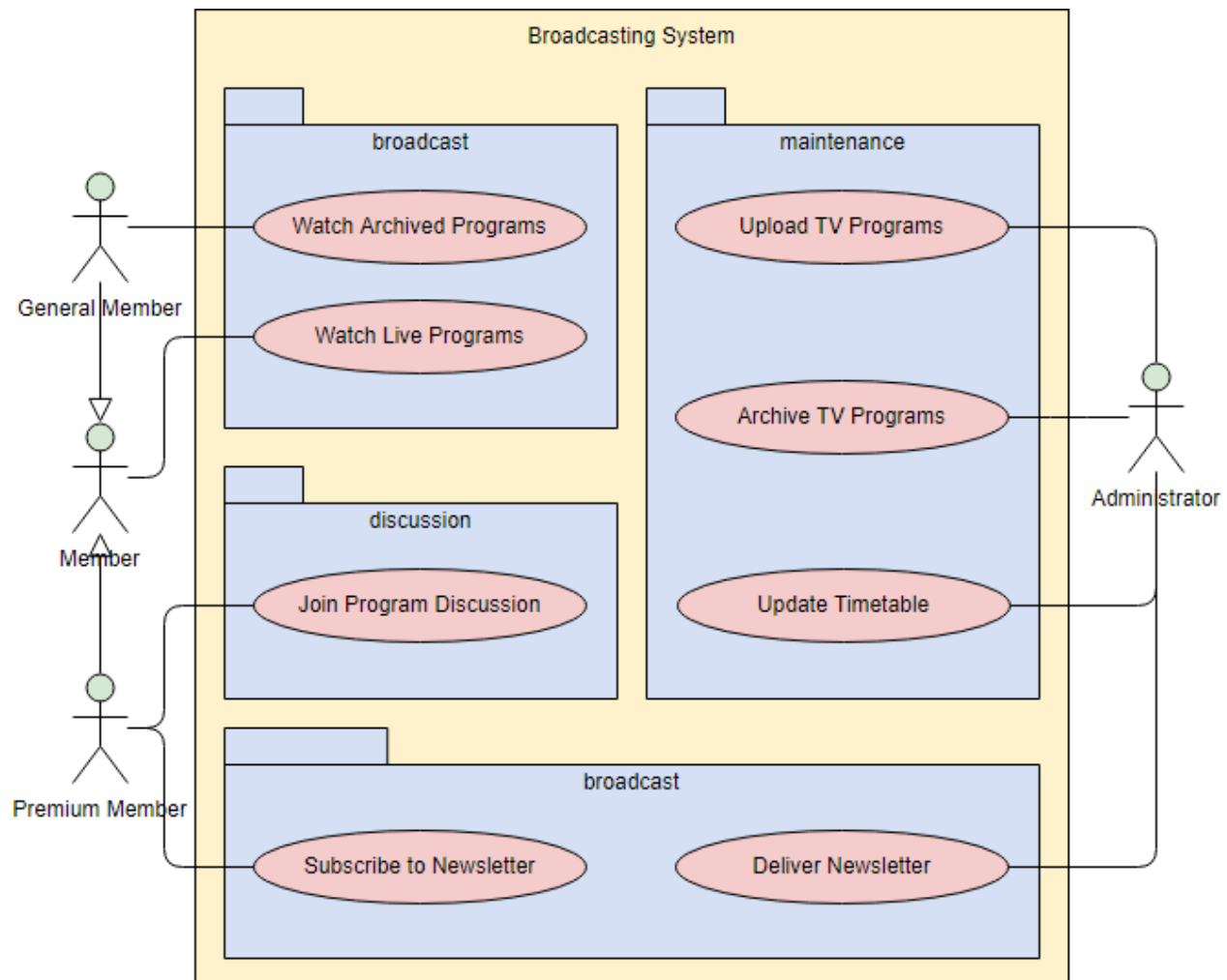
PROGRAM 13: Draw a Component Diagram with suitable physical Elements and Sequence Diagram with Multiple Objects.

OUTPUT:



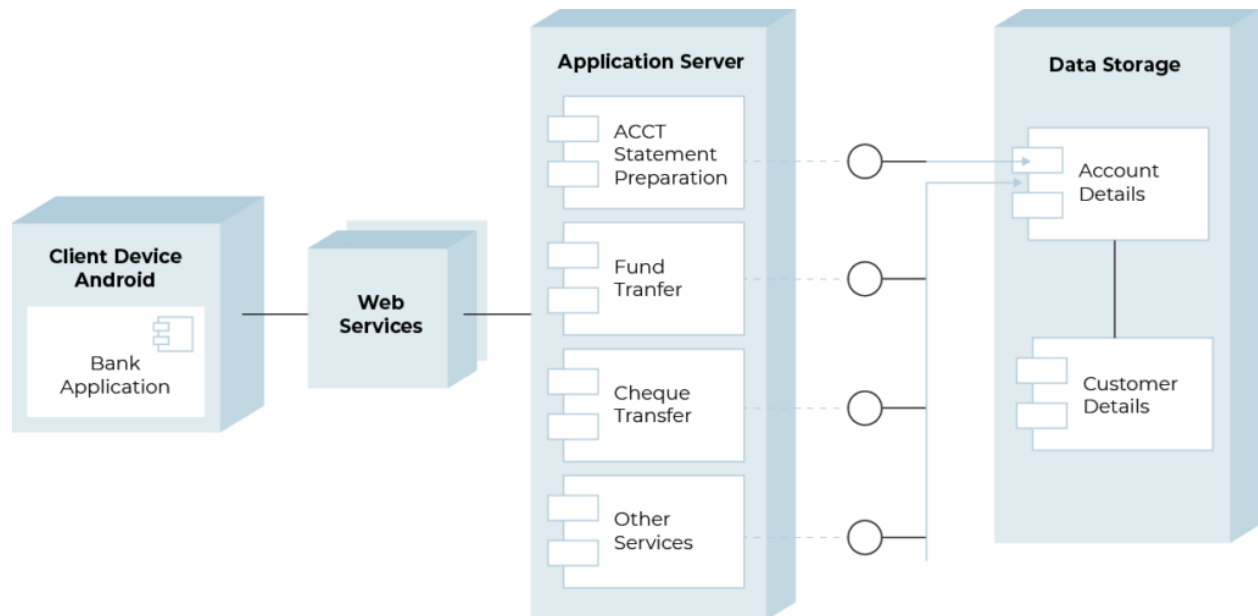
PROGRAM 14: Draw a Use-case Diagram for the Reverse engineering and Forward engineering.

OUTPUT:



PROGRAM 15: Draw a Deployment Diagram for the given real time scenario.

OUTPUT:



PROGRAM 16: Write a Test Case Scenario for uploading an Image

OUTPUT:

