1. **Write a selenium script to use css locators to find elements on the following wepage** [**https://demoqa.com/automation-practice-form**](https://demoqa.com/automation-practice-form)**.**

**package** first\_practical;

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

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

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

**import** org.openqa.selenium.firefox.FirefoxDriver;

**public** **class** Exercise1 {

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

System.*setProperty*("webdriver.gecko.driver", "E:\\Selenium\\geckodriver.exe");

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

driver.get("https://demoqa.com/automation-practice-form");

WebElement firstName=driver.findElement(By.*cssSelector*("input[id='firstName']"));

firstName.sendKeys("Bob");

WebElement lastName=driver.findElement(By.*cssSelector*("input[id='lastName']"));

lastName.sendKeys("Messi");

WebElement mail=driver.findElement(By.*cssSelector*("input[id='userEmail']"));

mail.sendKeys("bobmessi@gmail.com");

WebElement gender=driver.findElement(By.*cssSelector*("label[for='gender-radio-2']"));

gender.click();

WebElement mob=driver.findElement(By.*cssSelector*("div>input[id='userNumber']"));

mob.sendKeys("9764886488");

WebElement sbject=driver.findElement(By.*cssSelector*("input[id='subjectsInput']"));

sbject.sendKeys("Software Testing");

WebElement hobby=driver.findElement(By.*cssSelector*("label[for='hobbies-checkbox-3']"));

hobby.click();

WebElement uploadElement = driver.findElement(By.*id*("uploadPicture"));

uploadElement.sendKeys("C:\\Users\\student\\Downloads\bob.jpg");

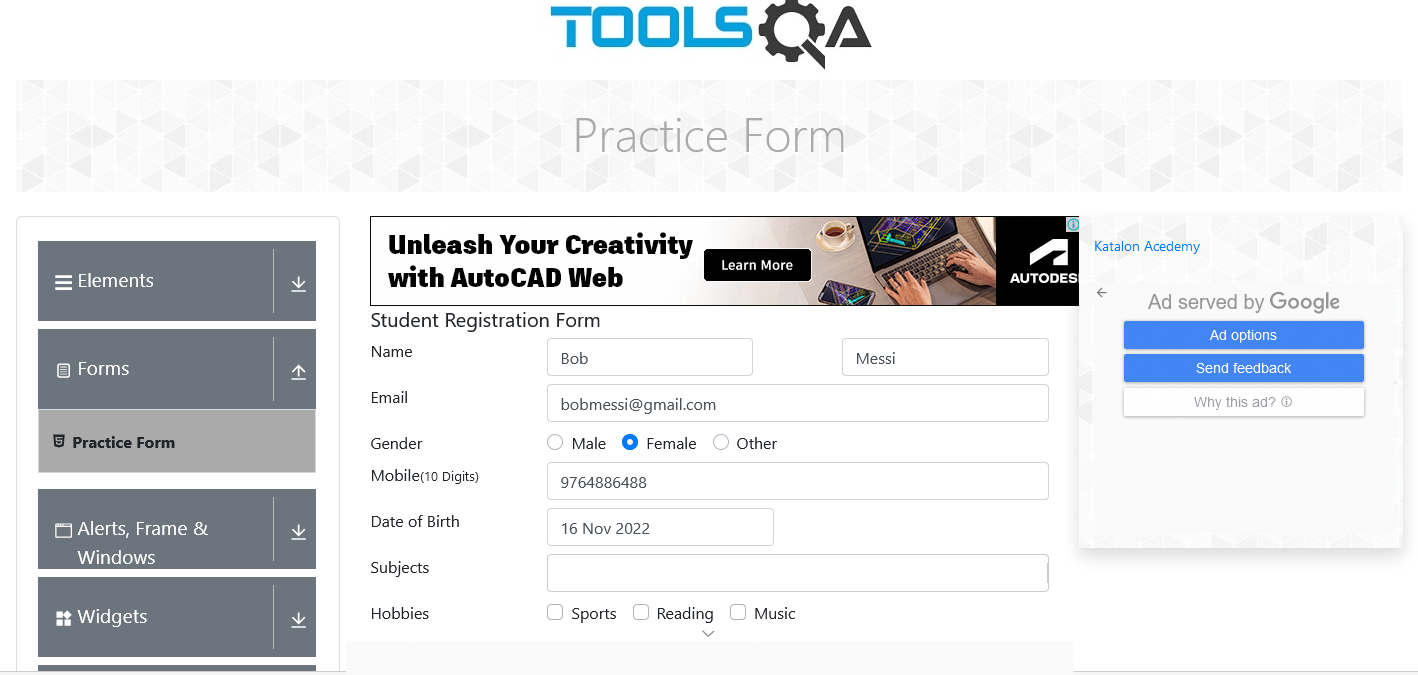
WebElement currentAddress=driver.findElement(By.*cssSelector*("textarea[class='form-control']"));

currentAddress.sendKeys("Philippines");

}

}

**Output:**



1. **Write a selenium script to find elements on http://demo.guru99.com/test/newtours/ using id,name, link, partial link locators**.

**package** first\_practical;

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

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

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

**import** org.openqa.selenium.firefox.FirefoxDriver;

**public** **class** Exercise2 {

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

System.*setProperty*("webdriver.gecko.driver", "E:\\Selenium\\geckodriver.exe");

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

driver.get("https://demo.guru99.com/test/newtours/");

WebElement user=driver.findElement(By.*cssSelector*("input[name='userName']"));

user.sendKeys("bob@gmail.com");

WebElement pass=driver.findElement(By.*cssSelector*("input[name='password']"));

pass.sendKeys("9561");

WebElement register\_link=driver.findElement(By.*linkText*("REGISTER"));

System.***out***.println(register\_link.getText());

WebElement signon\_link=driver.findElement(By.*linkText*("SIGN-ON"));

System.***out***.println(signon\_link.getText());

WebElement contact\_link=driver.findElement(By.*linkText*("CONTACT"));

System.***out***.println(contact\_link.getText());

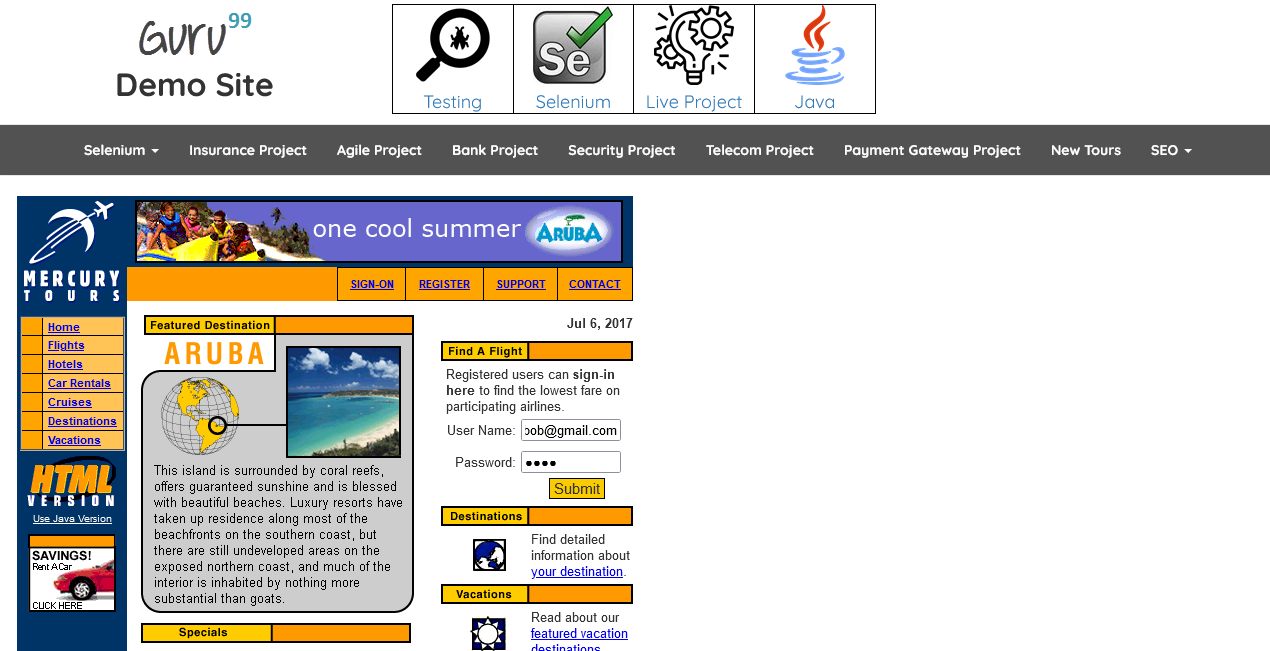
WebElement support\_link=driver.findElement(By.*linkText*("SUPPORT"));

System.***out***.println(support\_link.getText());

}

}

**Output:**



Text

Description automatically generated with medium confidence

1. Write a selenium script to login to<http://demo.guru99.com/test/login.html>. Use name and ID locator strategy to locate elements.(Paste your code here)

**package** first\_practical;

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

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

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

**import** org.openqa.selenium.firefox.FirefoxDriver;

**public** **class** Exercise3 {

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

System.*setProperty*("webdriver.gecko.driver", "E:\\Selenium\\geckodriver.exe");

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

driver.get("https://demo.guru99.com/test/login.html");

WebElement email=driver.findElement(By.*cssSelector*("input[name='email']"));

email.sendKeys("bob@gmail.com");

WebElement pass=driver.findElement(By.*cssSelector*("input[id='passwd']"));

pass.sendKeys("9561");

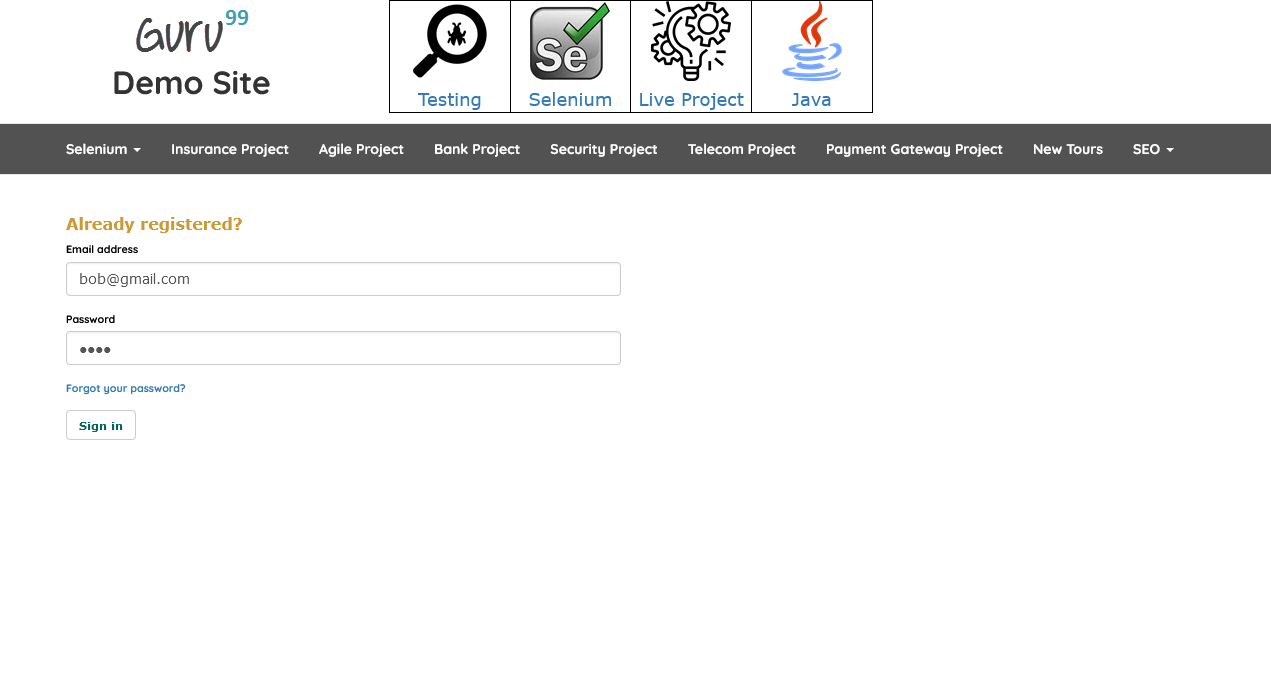
WebElement button=driver.findElement(By.*name*("SubmitLogin"));

button.click();

}

}

**Output:**



Graphical user interface, timeline

Description automatically generated with medium confidence

1. **Write a script to locate elements on https://demo.guru99.com/test/selenium-xpath.html using xpath.**

**package** first\_practical;

**import** java.util.List;

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

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

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

**import** org.openqa.selenium.firefox.FirefoxDriver;

**public** **class** Exercise4 {

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

System.*setProperty*("webdriver.gecko.driver", "E:\\Selenium\\geckodriver.exe");

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

driver.get("https://demo.guru99.com/test/selenium-xpath.html");

List<WebElement> in=driver.findElements(By.*xpath*("//\*[@type='text']//following::input"));

**for** (**int** i=0; i<in.size();i++){

System.***out***.println("Elements are:" + in.get(i).getAttribute("name"));

}

List<WebElement> ancestor=driver.findElements(By.*xpath*("//\*[text()='Enterprise Testing']//ancestor::div"));

**for** (**int** i=0; i<ancestor.size();i++){

System.***out***.println("Ancestor are:" + ancestor.get(i).getAttribute("class"));

}

WebElement preceding=driver.findElement(By.*xpath*("//\*[@type='submit']//preceding::input[2]"));

System.***out***.println("Preceding Element is: "+preceding.getAttribute("name"));

WebElement sibling=driver.findElement(By.*xpath*("//\*[@type='submit']//following-sibling::input"));

System.***out***.println("Sibling is: "+sibling.getAttribute("name"));

WebElement parent=driver.findElement(By.*xpath*("//\*[@type='submit']//parent::td"));

System.***out***.println("Parent is: "+parent.getText());

List<WebElement> descendant=driver.findElements(By.*xpath*("//\*[@name='frmLogin']//descendant::input"));

**for** (**int** i=0; i<descendant.size();i++){

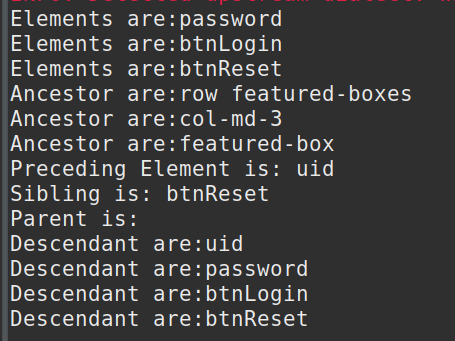
System.***out***.println("Descendant are:" + descendant.get(i).getAttribute("name"));

}

}

}

**Output:**



**Conclusion:** Gained knowledge about selenium tools and learnt to locate various web elements using selenium locators.