LABORATORIO 5: Pruebas Funcionales con Selenium y xUnit

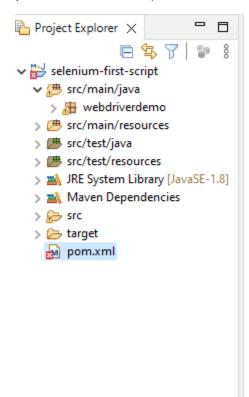
Nombre: Randú Jean Franco Cerpa García

Curso: Ingeniería de Software II

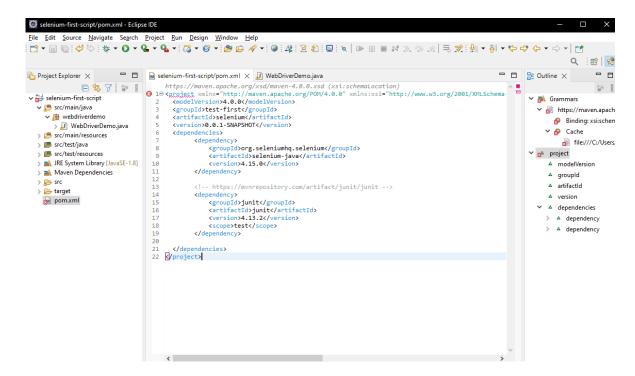
Fecha: 15/11/2023

Actividades:

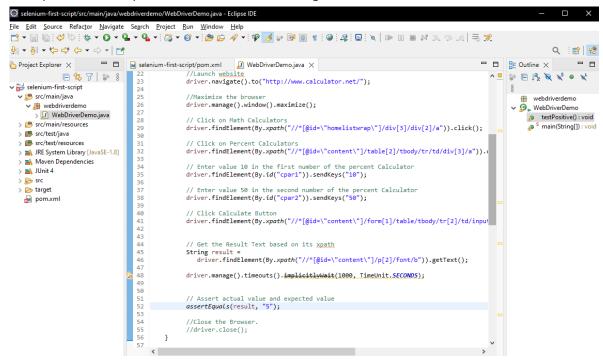
1. Crear un proyecto de pruebas funcionales (de acuerdo al lenguaje elegido)



2. Gestionar las dependencias necesarias (Selenium Web Driver y xUnit):



- [3. Configurar driver de navegador (Browser-specific WebDriver)
- 4. Implementar las pruebas funcionales de la siguiente funcionalidad:



```
m selenium-first-script/pom.xml
                             62
                                                                                                   ^ <u>=</u>
 63
             WebDriver driver = new ChromeDriver();
 64
               //Puts an Implicit wait, Will wait for 10 seconds before throwing exception
 65
               driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
 66
 67
               //Launch website
 68
              driver.navigate().to("http://www.calculator.net/");
 69
 70
               //Maximize the browser
 71
               driver.manage().window().maximize();
 72
 73
               // Click on Math Calculators
              driver.findElement(By.xpath("//*[@id=\"homelistwrap\"]/div[3]/div[2]/a")).click();
 74
 75
 76
               // Click on Percent Calculators
 77
               driver.findElement(By.xpath("//*[@id=\"content\"]/table[2]/tbody/tr/td/div[3]/a")).
 78
 79
               // Enter value 10 in the first number of the percent Calculator
 80
              driver.findElement(By.id("cpar1")).sendKeys("10");
 81
               // Enter value 50 in the second number of the percent Calculator
 82
 83
              driver.findElement(By.id("cpar2")).sendKeys("-50");
 84
 85
               // Click Calculate Button
              driver.findElement(By.xpath("//*[@id=\"content\"]/form[1]/table/tbody/tr[2]/td/input
 86
 87
 88
               // Get the Result Text based on its xpath
 89
 90
              String result =
 91
                  driver.findElement(By.xpath("//*[@id=\"content\"]/p[2]/font/b")).getText();
 92
               driver.manage().timeouts().implicitlyWait(1000, TimeUnit.SECONDS);
 93
 94
 95
 96
               // Assert actual value and expected value
               accortFauale(result "5").
 97
```

```
103⊝
         @Test
         public void testA() {
 104
 105
             //Set up web driver (chrome, firefox,...)
             //System.setProperty("webdriver.gecko.driver", "C:\\...\\Selenium\\Selenium WebDriver
 106
 107
             WebDriver driver = new ChromeDriver();
108
 109
               //Puts an Implicit wait, Will wait for 10 seconds before throwing exception
110
               driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
111
112
               //Launch website
               driver.navigate().to("http://www.calculator.net/");
113
 114
115
               //Maximize the browser
116
               driver.manage().window().maximize();
 117
               // Click on Math Calculators
118
               driver.findElement(By.xpath("//*[@id=\"homelistwrap\"]/div[3]/div[2]/a")).click();
 119
 120
 121
               // Click on Percent Calculators
 122
               driver.findElement(By.xpath("//*[@id=\"content\"]/table[2]/tbody/tr/td/div[3]/a")).
 123
 124
                // Enter value 10 in the first number of the percent Calculator
125
               driver.findElement(By.id("cpar1")).sendKeys("20");
 126
 127
               // Enter value 50 in the second number of the percent Calculator
               driver.findElement(By.id("cpar2")).sendKeys("200");
128
 129
 130
               // Click Calculate Button
               driver.findElement(By.xpath("//*[@id=\"content\"]/form[1]/table/tbody/tr[2]/td/input
 131
132
 133
 134
                // Get the Result Text based on its xpath
135
               String result =
                  driver.findElement(By.xpath("//*[@id=\"content\"]/p[2]/font/b")).getText();
136
137
                                                                                                      A ...
148⊖
        @Test
149
         public void testB() {
150
             //Set up web driver (chrome, firefox,...)
             //System.setProperty("webdriver.gecko.driver", "C:\\...\\Selenium\\Selenium WebDriver'
151
152
153
             WebDriver driver = new ChromeDriver();
               //Puts an Implicit wait, Will wait for 10 seconds before throwing exception
154
               driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);
155
156
157
               //Launch website
158
               driver.navigate().to("http://www.calculator.net/");
159
160
               //Maximize the browser
161
               driver.manage().window().maximize();
162
               // Click on Math Calculators
163
164
               driver.findElement(By.xpath("//*[@id=\"homelistwrap\"]/div[3]/div[2]/a")).click();
165
166
               // Click on Percent Calculators
               driver.findElement(By.xpath("//*[@id=\"content\"]/table[2]/tbody/tr/td/div[3]/a")).
167
168
               // Enter value 10 in the first number of the percent Calculator
169
               driver.findElement(By.id("cpar1")).sendKeys("50");
170
171
               // Enter value 50 in the second number of the percent Calculator
172
               driver.findElement(By.id("cpar2")).sendKeys("12");
173
174
175
               // Click Calculate Button
               driver.findElement(By.xpath("//*[@id=\"content\"]/form[1]/table/tbody/tr[2]/td/input =
176
177
178
179
               // Get the Result Text based on its xpath
180
               String result =
                  driver.findElement(By.xpath("//*[@id=\"content\"]/p[2]/font/b")).getText();
181
182
```

