Code implementation : Five Day Weather Forecast for Glasgow

Scenario: This application displays the 5 day weather forecast for a given location.

Test case 001: Verify if the user is able to click on Tuesday link and check all the Necessary Data is getting displayed.

Given The Local Host should be launched successfully.

And The Homepage should be displayed successfully.

And verify if the proper details are displayed.

When Click on Tuesday link.

Then Weather forecast details should be displayed successfully.

**public** **class** Assessment {

@Test(priority = 0)

**public** **void** ClickonTuesdayLink()

{

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

WebDriverManager.*chromedriver*().setup();

driver.get("<http://localhost:3000/>");

driver.manage().window().maximize();

driver.manage().timeouts().implicitlyWait(50, TimeUnit.***SECONDS***);

System.***out***.println(driver.getTitle());

Assert.*assertEquals*("weather", "weather", "weather");

driver.manage().timeouts().implicitlyWait(50, TimeUnit.***SECONDS***);

Reporter.*log*("Browser is opened");

driver.manage().timeouts().implicitlyWait(50, TimeUnit.***SECONDS***);

driver.findElement(By.*cssSelector*("#weather-widget > div > div.control-container > div.search-block > div.search > button")).click();

driver.manage().timeouts().implicitlyWait(50, TimeUnit.***SECONDS***);

System.***out***.println(driver.getTitle());

driver.close();

driver.quit();

Test case 002: Verify if the user is able to click on Wednesday link and check all the Necessary Data is getting displayed.

Given The Local Host should be launched successfully.

And The Homepage should be displayed successfully.

And verify if the proper details are displayed.

When Click on Wednesday link.

Then Weather forecast details should be displayed successfully.

**public** **class** Assessment {

@Test(priority = 1)

**public** **void** ClickonWednesdayLink()

{

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

WebDriverManager.*chromedriver*().setup();

driver.get("<http://localhost:3000/>");

driver.manage().window().maximize();

driver.manage().timeouts().implicitlyWait(50, TimeUnit.***SECONDS***);

System.***out***.println(driver.getTitle());

Assert.*assertEquals*("weather", "weather", "weather");

driver.manage().timeouts().implicitlyWait(50, TimeUnit.***SECONDS***);

Reporter.*log*("Browser is opened");

driver.manage().timeouts().implicitlyWait(50, TimeUnit.***SECONDS***);

driver.findElement(By.*xpath*(“/html/body/div[1]/div/div[2]/div[1]/span[1]/span[1]")).click();

driver.manage().timeouts().implicitlyWait(50, TimeUnit.***SECONDS***);

System.***out***.println(driver.getTitle());

driver.close();

driver.quit();

Test case 003: Verify if the user is able to click on Thursday link and check all the Necessary Data is getting displayed.

Given The Local Host should be launched successfully.

And The Homepage should be displayed successfully.

And verify if the proper details are displayed.

When Click on Thursday link.

Then Weather forecast details should be displayed successfully.

**public** **class** Assessment {

@Test(priority = 2)

**public** **void** ClickonThursdayLink()

{

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

WebDriverManager.*chromedriver*().setup();

driver.get("<http://localhost:3000/>");

driver.manage().window().maximize();

driver.manage().timeouts().implicitlyWait(50, TimeUnit.***SECONDS***);

System.***out***.println(driver.getTitle());

Assert.*assertEquals*("weather", "weather", "weather");

driver.manage().timeouts().implicitlyWait(50, TimeUnit.***SECONDS***);

Reporter.*log*("Browser is opened");

driver.manage().timeouts().implicitlyWait(50, TimeUnit.***SECONDS***);

driver.findElement(By.*xpath* /html/body/div[1]/div/div[3]/div[1]/span[1]/span[1]")).click();

driver.manage().timeouts().implicitlyWait(50, TimeUnit.***SECONDS***);

System.***out***.println(driver.getTitle());

driver.close();

driver.quit();

Test case 004: Verify if the user is able to click on Friday link and check all the Necessary Data is getting displayed.

Given The Local Host should be launched successfully.

And The Homepage should be displayed successfully.

And verify if the proper details are displayed.

When Click on Friday link.

Then Weather forecast details should be displayed successfully.

**public** **class** Assessment {

@Test(priority = 3)

**public** **void** ClickonFridayLink()

{

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

WebDriverManager.*chromedriver*().setup();

driver.get("<http://localhost:3000/>");

driver.manage().window().maximize();

driver.manage().timeouts().implicitlyWait(50, TimeUnit.***SECONDS***);

System.***out***.println(driver.getTitle());

Assert.*assertEquals*("weather", "weather", "weather");

driver.manage().timeouts().implicitlyWait(50, TimeUnit.***SECONDS***);

Reporter.*log*("Browser is opened");

driver.manage().timeouts().implicitlyWait(50, TimeUnit.***SECONDS***);

driver.findElement(By.*xpath* /html/body/div[1]/div/div[3]/div[1]/span[1]/span[1]")).click();

driver.manage().timeouts().implicitlyWait(50, TimeUnit.***SECONDS***);

System.***out***.println(driver.getTitle());

driver.close();

driver.quit();

Test case 005: Verify if the user is able to click on Saturday link and check all the Necessary Data is getting displayed.

Given The Local Host should be launched successfully.

And The Homepage should be displayed successfully.

And verify if the proper details are displayed.

When Click on Saturday link.

Then Weather forecast details should be displayed successfully.

**public** **class** Assessment {

@Test(priority = 4)

**public** **void** ClickonSaturdayLink()

{

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

WebDriverManager.*chromedriver*().setup();

driver.get("<http://localhost:3000/>");

driver.manage().window().maximize();

driver.manage().timeouts().implicitlyWait(50, TimeUnit.***SECONDS***);

System.***out***.println(driver.getTitle());

Assert.*assertEquals*("weather", "weather", "weather");

driver.manage().timeouts().implicitlyWait(50, TimeUnit.***SECONDS***);

Reporter.*log*("Browser is opened");

driver.manage().timeouts().implicitlyWait(50, TimeUnit.***SECONDS***);

driver.findElement(By.*xpath* “/html/body/div[1]/div/div[5]/div[1]/span[1]/span[1]")).click();

driver.manage().timeouts().implicitlyWait(50, TimeUnit.***SECONDS***);

System.***out***.println(driver.getTitle());

driver.close();

driver.quit();