**TestCase 1 : Check there is at least one listing in the TradeMe UsedCars category.**

**Features of this Test Case**

* It has been integrated with **TestNG**
* It has been integrated with **Maven**
* It has different styles of reporting such as **Extent Report, Cucumber Reports**
* **BDD** framework is made use of with Cucumber
* **Java** version used is 11.0.8
* **Selenium** version is 3.8.1
* **Cucumber** version1.2.3
* **Page Object models** has been used
* There are some configuration files for reporting and a Feature file
* Dependencies are added on the pom.xml file
* Java compiler is 1.8
* Reports will generate screenshots when the Testcase fails.
* **Jenkins** has been integrated
* Browser used is Google Chrome v85.0.4183.83

**RunCuke File :**

package runner;

import java.io.File;

import java.text.SimpleDateFormat;

import java.util.Date;

import java.util.HashMap;

import java.util.Map;

import org.testng.annotations.BeforeClass;

import com.cucumber.listener.ExtentCucumberFormatter;

import cucumber.api.CucumberOptions;

import cucumber.api.testng.AbstractTestNGCucumberTests;

@CucumberOptions(

plugin = {"json:target/RunCuke/cucumber.json", "pretty", "html:target/RunCuke/cucumber.html","com.cucumber.listener.ExtentCucumberFormatter"},

features = "src/test/resources/features/",

glue = "steps"

)

public class RunCuke extends AbstractTestNGCucumberTests{

@BeforeClass

public static void setup() {

// Initiates the extent report and generates the output in the output/Run\_<unique timestamp>/report.html file by default.

SimpleDateFormat sdf = new SimpleDateFormat("ddMMyyyy\_hhmmss");

Date curDate = new Date();

String strDate = sdf.format(curDate);

String fileName = System.getProperty("user.dir")+"\\target\\Extent\_Reports\\" + strDate+".html";

File newFile = new File(fileName);

ExtentCucumberFormatter.initiateExtentCucumberFormatter(newFile,false);

//static report name

//ExtentCucumberFormatter.initiateExtentCucumberFormatter(new File("F:\\cucumber-testing-master\\ExtenReports\\extentreports.html"),false);

// Loads the extent config xml to customize on the report.

ExtentCucumberFormatter.loadConfig(new File("src/test/resources/extent-config.xml"));

// User can add the system information as follows

ExtentCucumberFormatter.addSystemInfo("Browser Name", "chrome");

ExtentCucumberFormatter.addSystemInfo("Browser version", "v85.0.4183.83 ");

ExtentCucumberFormatter.addSystemInfo("Selenium version", "v3.8.1");

// Also you can add system information using a hash map

Map systemInfo = new HashMap();

systemInfo.put("Cucumber version", "v1.2.3");

systemInfo.put("Extent Cucumber Reporter version", "v1.1.0");

ExtentCucumberFormatter.addSystemInfo(systemInfo);

}

**Extent-config-xml :**

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<extentreports>

<configuration>

<encoding>UTF-8</encoding>

<documentTitle>Cucumber Extent Reports - v1.1.0</documentTitle>

<reportName>Project1-Cucumber-Report</reportName>

<reportHeadline> - v1.1.0</reportHeadline>

</configuration>

</extentreports>

**POM.XML**

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<project xmlns=*"http://maven.apache.org/POM/4.0.0"* xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"*

xsi:schemaLocation=*"http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd"*>

<modelVersion>4.0.0</modelVersion>

<groupId>com.trademe</groupId>

<artifactId>Testcase1</artifactId>

<version>1.0-SNAPSHOT</version>

<properties>

<maven.compiler.source>1.8</maven.compiler.source>

<maven.compiler.target>1.8</maven.compiler.target>

</properties>

<dependencies>

<!-- http://mvnrepository.com/artifact/info.cukes/cucumber-core -->

<dependency>

<groupId>info.cukes</groupId>

<artifactId>cucumber-core</artifactId>

<version>1.2.4</version>

</dependency>

<!-- http://mvnrepository.com/artifact/info.cukes/cucumber-java -->

<dependency>

<groupId>info.cukes</groupId>

<artifactId>cucumber-java</artifactId>

<version>1.2.4</version>

</dependency>

<dependency>

<groupId>com.vimalselvam</groupId>

<artifactId>cucumber-extentsreport</artifactId>

<version>1.1.0</version>

</dependency>

<!-- http://mvnrepository.com/artifact/info.cukes/cucumber-picocontainer -->

<dependency>

<groupId>info.cukes</groupId>

<artifactId>cucumber-picocontainer</artifactId>

<version>1.2.4</version>

</dependency>

<!-- http://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-server -->

<dependency>

<groupId>org.seleniumhq.selenium</groupId>

<artifactId>selenium-server</artifactId>

<version>3.8.1</version>

</dependency>

<!-- https://mvnrepository.com/artifact/info.cukes/cucumber-testng -->

<dependency>

<groupId>info.cukes</groupId>

<artifactId>cucumber-testng</artifactId>

<version>1.2.5</version>

</dependency>

</dependencies>

<build>

<plugins>

<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-surefire-plugin</artifactId>

<version>2.18.1</version>

<configuration>

<testFailureIgnore> false </testFailureIgnore>

<suiteXmlFiles>

<suiteXmlFile>src/test/resources/runner/testng.xml</suiteXmlFile>

</suiteXmlFiles>

</configuration>

</plugin>

</plugins>

</build>

</project>

**Cucumber Report**

A picture containing text

Description automatically generated

**Extent Report**

**Graphical user interface, text, application, email

Description automatically generated**

**Graphical user interface, text, application

Description automatically generated**

**Graphical user interface, application

Description automatically generated**

**Jenkins**

**Graphical user interface, text, application

Description automatically generated**

**Cucumber Report from Jenkins portal**

**Graphical user interface, application

Description automatically generated**