**Hackathon Website URL:**

<https://www.bmw.in/en/index.html>

**MODELS MODULE:**

**Main Function:**

using OpenQA.Selenium;

using System;

using OpenQA.Selenium.Chrome;

using OpenQA.Selenium.Support.UI;

using System.Threading;

namespace TN\_18aug

{

class Program:Models

{

static void Main(string[] args)

{

//launch the Chrome browser

IWebDriver driver = new ChromeDriver();

////Maximize method is to maximize the screen

driver.Manage().Window.Maximize();

login();

model();

testdrive();

buyonline();

}

BMW INDIA

public static void login()

{

Thread.Sleep(10000);

//open cart

driver.FindElement(By.XPath("//\*[@id='id-shopping-cart\_desktop']")).Click();

Thread.Sleep(5000);

//open login

driver.FindElement(By.XPath("//\*[@id='navbarNavAltMarkup']/div/div/ul/li/a/i")).Click();

Thread.Sleep(2000);

//Click Register now

driver.FindElement(By.XPath("//\*[@id='wrapper']/div/div/div[1]/div/button")).Click();

Thread.Sleep(2000);

//select gender

driver.FindElement(By.XPath("//\*[@id='salutation']")).Click();

Thread.Sleep(2000);

//Enter first name

driver.FindElement(By.XPath("//\*[@id='first-name']")).SendKeys("Gokul Krishnan");

Thread.Sleep(2000);

//Enter last name

driver.FindElement(By.XPath("//\*[@id='last-name']")).SendKeys("Ravi");

Thread.Sleep(2000);

//Enter Email

driver.FindElement(By.XPath("//\*[@id='email']")).SendKeys("gokulkrishnanway@gmail.com");

Thread.Sleep(2000);

//Enter password

driver.FindElement(By.XPath("//\*[@id='password']")).SendKeys("Kinggocool@1999");

Thread.Sleep(2000);

//Click check box

IWebElement option1 = driver.FindElement(By.XPath("//\*[@id='wrapper']/div/div/div[1]/div/form/div[8]/div/div/div[1]/div"));

option1.Click();

Thread.Sleep(2000);

//Click Register

driver.FindElement(By.XPath("//\*[@id='wrapper']/div/div/div[1]/div/form/div[9]/button")).Click();

Thread.Sleep(2000);

//Back to login

driver.FindElement(By.XPath("//\*[@id='resendEmail']/button[2]")).Click();

Thread.Sleep(2000);

//launch the Chrome browser

IWebDriver driver = new ChromeDriver();

//Maximize method is to maximize the screen

driver.Manage().Window.Maximize();

Thread.Sleep(10000);

//open cart

driver.FindElement(By.XPath("//\*[@id='id-shopping-cart\_desktop']")).Click();

Thread.Sleep(5000);

//Login in icon

driver.FindElement(By.XPath("//\*[@id='navbarNavAltMarkup']/div/div/ul/li/a/i")).Click();

//Enter the mail id

driver.FindElement(By.XPath("//\*[@id='email']")).SendKeys("gokulkrishnanway@gmail.com");

//Enter the password

driver.FindElement(By.XPath("//\*[@id='password']")).SendKeys("Kinggocool@1999");

//Click the login Button

driver.FindElement(By.XPath("//\*[@id='wrapper']/div/div/div[1]/div/form/div[3]/div[2]/button")).Click();

}

**Class 1:**

using OpenQA.Selenium;

using OpenQA.Selenium.Chrome;

using OpenQA.Selenium.Support.UI;

using System;

using System.Collections.Generic;

using System.Text;

using System.Threading;

namespace TN\_18aug

{

class Models:test

{

public static void model()

{

IWebDriver driver = new ChromeDriver();

//open the portal

driver.Url = "https://www.bmw.in/";

//click the cookies manually

Thread.Sleep(10000);

//Click on the Models

driver.FindElement(By.XPath("/html/body/div[1]/div[2]/div/div/div[1]/div[3]/div/div[2]/div[1]/div")).Click();

//Clicks on the All

driver.FindElement(By.XPath("/html/body/div[1]/div[2]/div/div/div[2]/div/div[2]/div/div/div[2]/div/div/div/div[1]/div[1]/div[1]/nav/div/ul/li[1]/button")).Click();

Thread.Sleep(7000);

//Enter the Button Discover all models

driver.FindElement(By.XPath("/html/body/div[1]/div[2]/div/div/div[2]/div/div[2]/div/div/div[2]/div/div/div/div[1]/div[2]/div[1]/div/div/div[2]/div/a")).Click();

Thread.Sleep(5000);

//Select the BMW 5 series sedon

driver.FindElement(By.XPath("//\*[@id='container-3a47d09ad6']/div/div[2]/div/div[3]/div/div/div[1]/picture[1]/img")).Click();

//Click on show more

driver.FindElement(By.XPath("//\*[@id='container-3a47d09ad6']/div/div[2]/div/div[3]/div/div[2]/div[1]/div[2]/div[1]/a")).Click();

driver.Navigate().Back();

Thread.Sleep(7000);

Thread.Sleep(60000);

//Click on Configure & Price manually

driver.FindElement(By.XPath("/html/body/div[5]/div[1]/div[2]/div[3]/a")).Click();

//click manually in Interior

driver.FindElement(By.XPath("//\*[@aria-label='Interior']")).Click();

//Change for manually UPHOLSTREY color

driver.FindElement(By.XPath("//\*[@id='FKHRI']/con-spinner-img//div/div")).Click();

driver.FindElement(By.XPath("//\*[@id='FKHRI']/con-spinner-img//div/div")).Click();

//click on the next step manually

driver.FindElement(By.XPath("//\*[@id='paperTabs']/paper-tab[6]"));

//Click the button to see all equipments

driver.FindElement(By.XPath("//\*[@id='optionsSGT']/div/div/con-sgt-equipment//section/button")).Click();

//Clicking for confrim selection

driver.FindElement(By.XPath("/html/body/con-app//con-modal-logic//con-modal-option//con-modal-template-b/div[3]/div/div/button")).Click();

Thread.Sleep(7000);

//Quit

driver.Quit();

}

**Class 2:**

using OpenQA.Selenium;

using OpenQA.Selenium.Chrome;

using OpenQA.Selenium.Support.UI;

using System;

using System.Collections.Generic;

using System.Text;

using System.Threading;

namespace TN\_18aug

{

class test:Buy

{

public static void testdrive()

{

//launch the Chrome browser

IWebDriver driver = new ChromeDriver();

//Maximize method is to maximize the screen

driver.Manage().Window.Maximize();

//Click on test drive button

driver.Navigate().GoToUrl("https://bmwindia.co.in/offers/testdrive/?bmw\_leadsource=ConfiguratorCTAorganic");

//Click on the salutation

SelectElement Sal = new SelectElement(driver.FindElement(By.XPath("//\*[@id='bmw\_salutation']")));

//choose your salutation

Sal.SelectByValue("Mr.");

//Enter the first name

driver.FindElement(By.XPath("//\*[@id='bmw\_firstname']")).SendKeys("Gokul Krishnan");

//Enter the last name

driver.FindElement(By.XPath("//\*[@id='bmw\_lastname']")).SendKeys("R");

//Enter the Email id

driver.FindElement(By.XPath("//\*[@id='bmw\_email']")).SendKeys("gokulkrish123@gmail.com");

//Enter the Mobile number

driver.FindElement(By.XPath("//\*[@id='bmw\_mobile1']")).SendKeys("7448337052");

//open the preffered model click bar

SelectElement model = new SelectElement(driver.FindElement(By.XPath("//\*[@id='bmw\_series']")));

//Select the BMW 5 series

model.SelectByValue("5 Series");

//open the preffered city click bar

SelectElement city = new SelectElement(driver.FindElement(By.XPath("//\*[@id='bmw\_cityid']")));

//select the city

city.SelectByValue("Chennai");

//Click on Financial services

driver.FindElement(By.XPath("//\*[@id='FinancialServicesInterested']")).Click();

//Click on the terms of use

driver.FindElement(By.XPath("//\*[@id='tandc']")).Click();

ITakesScreenshot screenshotDriver = driver as ITakesScreenshot;

Screenshot screenshot = screenshotDriver.GetScreenshot();

screenshot.SaveAsFile("testdrive.png", ScreenshotImageFormat.Png);

Thread.Sleep(10000);

//Click on the submit button

driver.FindElement(By.XPath("//\*[@id='third\_section']/div[9]/input")).Click();

Thread.Sleep(7000);

//Quit

driver.Quit();

////Navigate to Configure page

//driver.Navigate().GoToUrl("https://configure.bmw.in/en\_IN/configure/G30/17AH\_1/FLZNI,P0300,S01CB,S01CC,S01CD,S01DF,S021N,S0223,S0258,S02NH,S02TB,S02VB,S0300,S0322,S0337,S03AG,S03DS,S0403,S0416,S0423,S0428,S0431,S0456,S0465,S04AW,S04KH,S04NB,S04T8,S04U0,S04U2,S04UR,S0521,S0552,S0575,S05AC,S05AZ,S05DN,S05DV,S0610,S0688,S06CP,S06U3,S06U8,S0710,S0715,S0760,S0775?expanded=true");

}

}

}

**Class 3:**

using OpenQA.Selenium;

using OpenQA.Selenium.Chrome;

using OpenQA.Selenium.Support.UI;

using System;

using System.Collections.Generic;

using System.Text;

using System.Threading;

namespace TN\_18aug

{

class Buy

{

public static void buyonline()

{

//launch the Chrome browser

IWebDriver driver = new ChromeDriver();

//Maximize method is to maximize the screen

driver.Manage().Window.Maximize();

//go to Buy online

driver.Url = "https://shop.bmw.in/#/config/w04t19he";

//Not working because of switching tabs

////Click for changes in configuration

//driver.FindElement(By.XPath("/html/body/app-root/app-layout/app-my-configs/section/app-configurations/div/app-banner/section[1]/div[3]/div[2]/div[2]/div[2]/a/h5"));

//Thread.Sleep(7000);

////navigate to buy online

//driver.Navigate().GoToUrl("https://shop.bmw.in/#/config/2tcl0lpd");

//Thread.Sleep(7000);

////Click on the Finance calculator

//driver.FindElements(By.XPath("/html/body/app-root/app-layout/app-my-configs/section/app-configurations/div/app-banner/section[1]/div[3]/div[2]/div[2]/div[4]/a/h5"));

//Thread.Sleep(7000);

////Click on Check by BMW model

//driver.FindElement(By.XPath("//\*[@id='event-file']/li[2]/a/div/label/span")).Click();

//navigate to buy online

//driver.Navigate().GoToUrl("https://shop.bmw.in/#/config/2tcl0lpd");

//Thread.Sleep(7000);

//Click on select dealer

driver.FindElement(By.XPath("//\*[@id='remove-focus']")).Click();

//Enter the pin code

driver.FindElement(By.XPath("/html/body/div[2]/div[1]/div/app-map-popup/section/div[1]/form/div/div/div/div[1]/input")).SendKeys("638183");

//click the City

SelectElement cities = new SelectElement(driver.FindElement(By.XPath("//\*[@id='inputState']")));

//select the city erode

cities.SelectByValue("ERODE");

ITakesScreenshot screenshotDriver = driver as ITakesScreenshot;

Screenshot screenshot = screenshotDriver.GetScreenshot();

screenshot.SaveAsFile("buyonline.png", ScreenshotImageFormat.Png);

Thread.Sleep(10000);

//closing the path

driver.FindElement(By.XPath("/html/body/div[2]/div[1]/span/i")).Click();

Thread.Sleep(7000);

//Quit

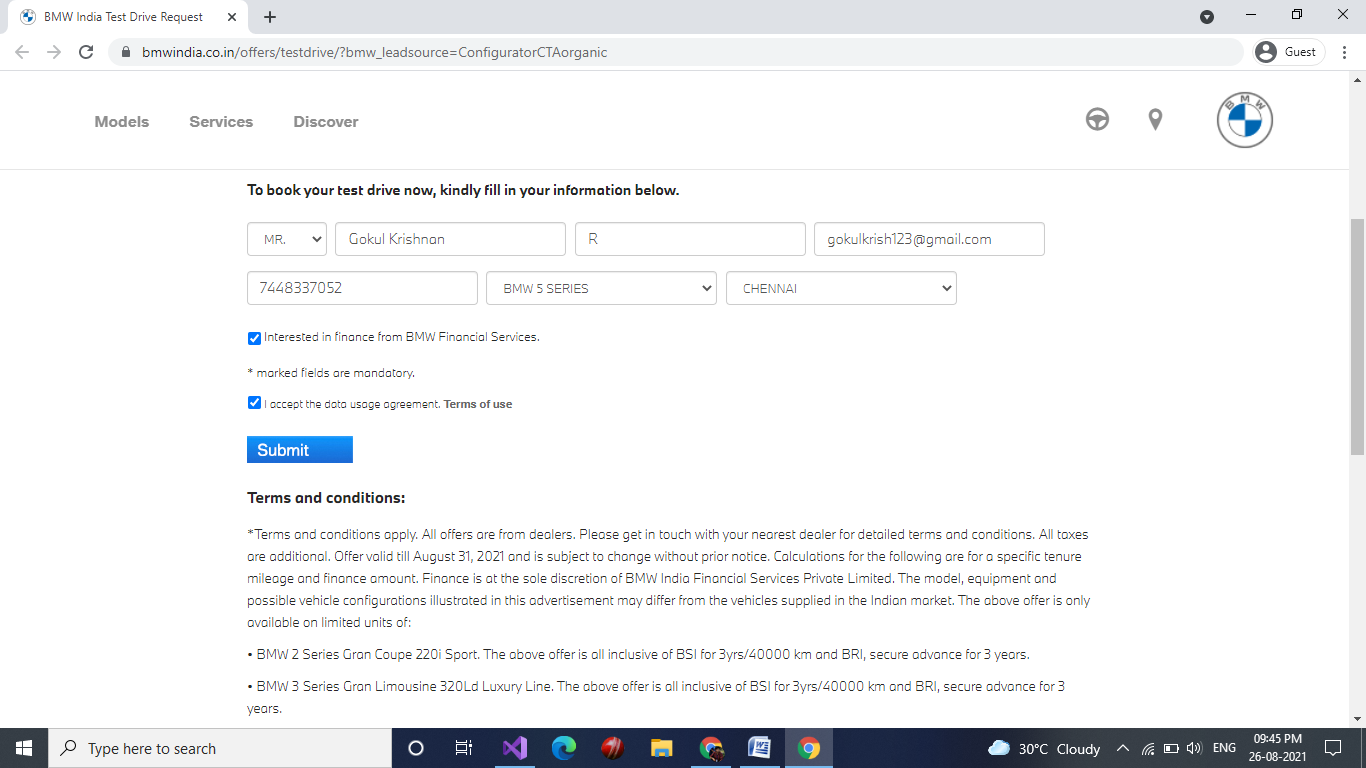
driver.Quit();

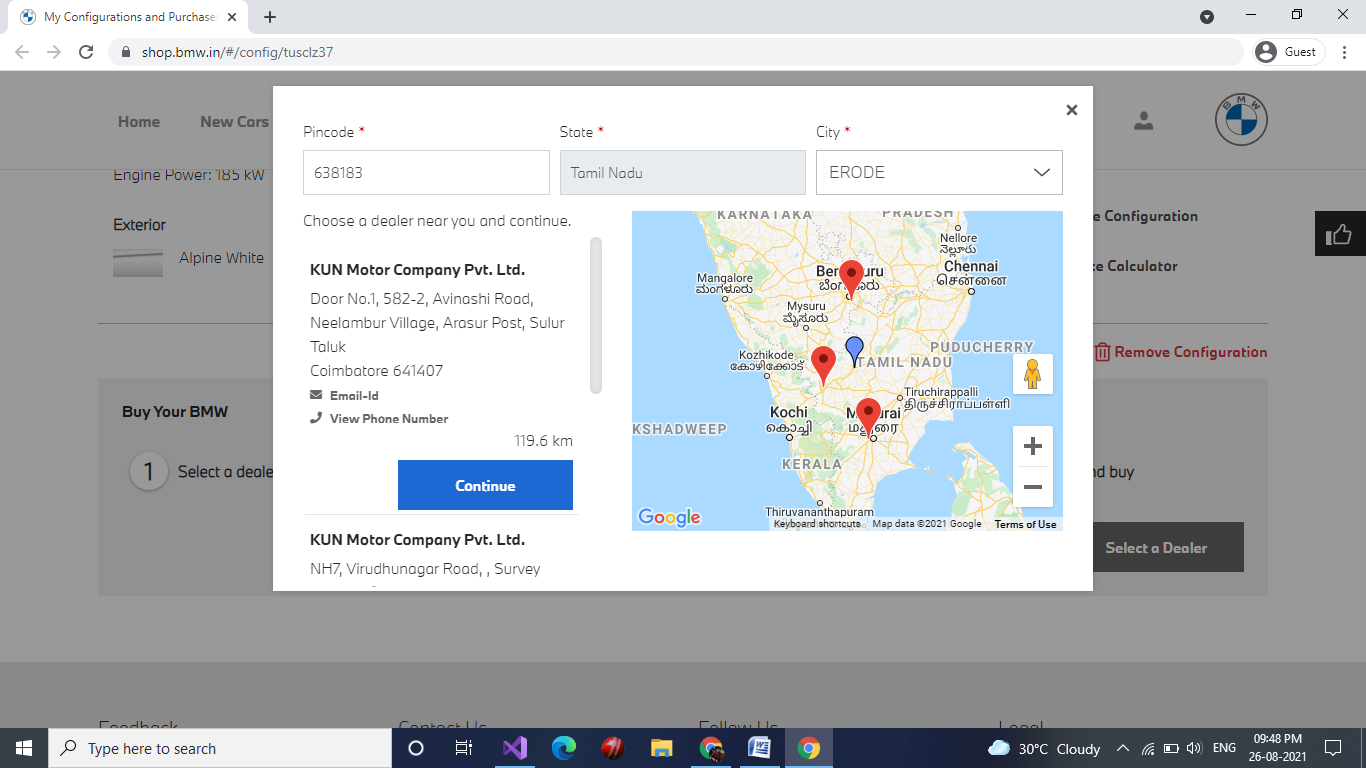
}

}

}

**Screen Shots:**

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