**Service.cs**

**using OpenQA.Selenium;**

**using OpenQA.Selenium.Chrome;**

**using OpenQA.Selenium.Support.UI;**

**using System.Threading;**

**namespace Automate\_BMW\_Website**

**{**

**class Automate\_\_BMW\_Website**

**{**

**IWebDriver driver;**

**public void Services()**

**{**

**//Launch Chrome Browser**

**driver = new ChromeDriver();**

**//Need to maximise the screen**

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

**//Need to locate the URL**

**driver.Url = "https://www.bmw.in/en/index.html";**

**Thread.Sleep(1000);**

**Service\_and\_Warranty();**

**//Request\_For\_information();**

**//contact\_us();**

**//buy\_Now();**

**BMW\_Lifestyle();**

**BMW\_accessories();**

**BMW\_Apps();**

**driver.Quit();**

**}**

**public void Service\_and\_Warranty()**

**{**

**////Launch Chrome Browser**

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

**////Need to maximise the screen**

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

**////Need to locate the URL**

**//driver.Navigate().GoToUrl("https://www.bmw.in/en/index.html");**

**//Thread.Sleep(5000);**

**//Need to identify services tab**

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

**Thread.Sleep(10000);**

**driver.FindElement(By.XPath("//span[text()='Warranty Policy']")).Click();**

**Thread.Sleep(10000);**

**//back**

**driver.Navigate().Back();**

**Thread.Sleep(2000);**

**//Need to identify services tab**

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

**Thread.Sleep(10000);**

**//Identifies original BMW Engine Oil**

**driver.FindElement(By.XPath("//span[text()='Original BMW Engine Oil']")).Click();**

**Thread.Sleep(10000);**

**//back**

**driver.Navigate().Back();**

**Thread.Sleep(2000);**

**//Need to identify services tab**

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

**Thread.Sleep(10000);**

**//Identifies BMW Joy Rewards**

**driver.FindElement(By.XPath("//span[text()='BMW Joy Rewards']")).Click();**

**Thread.Sleep(10000);**

**//back**

**driver.Navigate().Back();**

**Thread.Sleep(2000);**

**}**

**public void BMW\_Lifestyle()**

**{**

**////Launch Chrome Browser**

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

**////Need to maximise the screen**

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

**////Need to locate the URL**

**//driver.Url = "https://www.bmw.in/en/index.html";**

**//Thread.Sleep(1000);**

**//Need to identify services tab**

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

**Thread.Sleep(10000);**

**//BMW Lifestyle Collection**

**driver.FindElement(By.XPath("//span[text()='BMW Lifestyle Collection']")).Click();**

**Thread.Sleep(10000);**

**//Identifies Men List**

**driver.FindElement(By.XPath("//span[text()='Men']")).Click();**

**Thread.Sleep(10000);**

**//back to main menu**

**driver.Navigate().Back();**

**Thread.Sleep(2000);**

**//Need to identify services tab**

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

**Thread.Sleep(10000);**

**//BMW Lifestyle Collection**

**driver.FindElement(By.XPath("//span[text()='BMW Lifestyle Collection']")).Click();**

**Thread.Sleep(10000);**

**//Identifies Kids List**

**driver.FindElement(By.XPath("//span[text()='Kids']")).Click();**

**Thread.Sleep(10000);**

**//back to main menu**

**driver.Navigate().Back();**

**Thread.Sleep(10000);**

**}**

**public void BMW\_accessories()**

**{**

**////Launch Chrome Browser**

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

**////Need to maximise the screen**

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

**////Need to locate the URL**

**//driver.Url = "https://www.bmw.in/en/index.html";**

**//Thread.Sleep(1000);**

**//Need to identify services tab**

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

**Thread.Sleep(10000);**

**//BMW Accessories**

**driver.FindElement(By.XPath("//span[text()='BMW Accessories']")).Click();**

**Thread.Sleep(10000);**

**//Identifies Kids List**

**driver.FindElement(By.XPath("//span[text()='Universal Accessories']")).Click();**

**Thread.Sleep(10000);**

**//back to main menu**

**driver.Navigate().Back();**

**Thread.Sleep(10000);**

**//Need to identify services tab**

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

**Thread.Sleep(10000);**

**//BMW Accessories**

**driver.FindElement(By.XPath("//span[text()='BMW Accessories']")).Click();**

**Thread.Sleep(10000);**

**//Identifies Kids List**

**driver.FindElement(By.XPath("//span[text()='BMW Wheels and Tyres']")).Click();**

**Thread.Sleep(10000);**

**//back to main menu**

**driver.Navigate().Back();**

**Thread.Sleep(10000);**

**}**

**public void BMW\_Apps()**

**{**

**////Launch Chrome Browser**

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

**////Need to maximise the screen**

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

**////Need to locate the URL**

**//driver.Url = "https://www.bmw.in/en/index.html";**

**//Thread.Sleep(1000);**

**//Need to identify services tab**

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

**Thread.Sleep(10000);**

**//BMW Accessories**

**driver.FindElement(By.XPath("//span[text()='BMW Apps']")).Click();**

**Thread.Sleep(10000);**

**//Identifies BMW M and Motorsport List**

**driver.FindElement(By.XPath("//span[text()='BMW M and Motorsport']")).Click();**

**Thread.Sleep(10000);**

**//back to main menu**

**driver.Navigate().Back();**

**Thread.Sleep(10000);**

**//Need to identify services tab**

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

**Thread.Sleep(10000);**

**//BMW Accessories**

**driver.FindElement(By.XPath("//span[text()='BMW Apps']")).Click();**

**Thread.Sleep(10000);**

**//Identifies Dealer Service and Equipment List**

**driver.FindElement(By.XPath("//span[text()='Dealer Service and Equipment']")).Click();**

**Thread.Sleep(10000);**

**//back to main menu**

**driver.Navigate().Back();**

**Thread.Sleep(10000);**

**}**

**public void Request\_For\_information()**

**{**

**//Launch Chrome Browser**

**driver = new ChromeDriver();**

**//Need to maximise the screen**

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

**//Need to locate the URL**

**driver.Url = "https://www.bmw.in/en/index.html";**

**Thread.Sleep(1000);**

**//Need to identify services tab**

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

**Thread.Sleep(10000);**

**//Enter the mail id**

**IWebElement dr = driver.FindElement(By.XPath("//\*[@id='login-form']/div[1]/input"));**

**dr.SendKeys("mohanrajramu619@gmail.com");**

**if (dr.Text.Equals("mohanraj@gmail.com"))**

**{**

**ITakesScreenshot screenshotDriver = driver as ITakesScreenshot;**

**Screenshot screenshot = screenshotDriver.GetScreenshot();**

**screenshot.SaveAsFile("link.png", ScreenshotImageFormat.Png);**

**driver.Quit();**

**}**

**else**

**{**

**IWebElement pass = driver.FindElement(By.XPath("//\*[@id='password']"));**

**pass.SendKeys("mohanraj619");**

**if (pass.Text.Equals("Mohanraj(619)"))**

**{**

**ITakesScreenshot sd = driver as ITakesScreenshot;**

**Screenshot ss = sd.GetScreenshot();**

**ss.SaveAsFile("link.png", ScreenshotImageFormat.Png);**

**//Forgot password**

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

**Thread.Sleep(2000);**

**//Enter Email id**

**driver.FindElement(By.XPath("//\*[@id='email']")).SendKeys("mohanrajramu619@gmail.com");**

**Thread.Sleep(2000);**

**//Click Request Button**

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

**Thread.Sleep(2000);**

**//Back To login**

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

**Thread.Sleep(2000);**

**driver.Quit();**

**}**

**else**

**{**

**//Click the login Button**

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

**Thread.Sleep(5000);**

**ITakesScreenshot screenshotDriver = driver as ITakesScreenshot;**

**Screenshot screenshot = screenshotDriver.GetScreenshot();**

**screenshot.SaveAsFile("link.png", ScreenshotImageFormat.Png);**

**Thread.Sleep(10000);**

**//Identifies login name field**

**driver.FindElement(By.XPath("//\*[@id='login-form']/div[1]/input")).SendKeys("mohanrajramu619@gmail.com");**

**}**

**}**

**Thread.Sleep(1000);**

**//Identifies login Button**

**driver.FindElement(By.XPath("//\*[@id='login-form']/div[4]/button")).Click();**

**//Identifies VIN number**

**driver.FindElement(By.XPath("//\*[@id='vehicle-form']/div[1]/div/input"));**

**//Identifies Licence Plate field**

**driver.FindElement(By.XPath("//\*[@id='vehicle-form']/div[2]/div[1]/input"));**

**//Identifies AddCar button**

**driver.FindElement(By.XPath("/html/body/oas-root/div/oas-vehicle-create-edit/div/div[3]/div/div/div/div/div/div/button[2]")).Click();**

**}**

**public void contact\_us()**

**{**

**//Launch Chrome Browser**

**driver = new ChromeDriver();**

**//Need to maximise the screen**

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

**//Need to locate the URL**

**driver.Url = "https://www.bmw.in/en/index.html";**

**Thread.Sleep(1000);**

**//Need to identify services tab**

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

**Thread.Sleep(10000);**

**//Navigates to new tab**

**driver.Navigate().GoToUrl("https://www.bmw.in/en\_IN/footer/metanavigation/contact.html");**

**Thread.Sleep(1000);**

**//Identifies locate a delaership**

**driver.FindElement(By.XPath("/html/body/div[4]/main/div[1]/div[4]/div[1]/div[2]/div[2]/ul/li/a")).Click();**

**Thread.Sleep(2000);**

**//Identifies search location icon**

**driver.FindElement(By.XPath("/html/body/div[1]/div[2]/div/div/div/div/div/div/ng-view/dlo-main/div/div[1]/dlo-sidebar/div/span/div[2]/dlo-search/section/div[1]/dlo-search-dealer/div/input")).SendKeys("Dealer Name");**

**}**

**public void buy\_Now()**

**{**

**//Launch Chrome Browser**

**driver = new ChromeDriver();**

**//Need to maximise the screen**

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

**//Need to locate the URL**

**driver.Url = "https://www.bmw.in/en/index.html";**

**Thread.Sleep(1000);**

**//Need to identify services tab**

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

**Thread.Sleep(10000);**

**Thread.Sleep(5000);**

**//Identifies buy now button**

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

**Thread.Sleep(5000);**

**//Connects other module**

**}**

**}**

**}**