

Source Code

Feature file:

Feature: Phase End project

Scenario: Star health home page test

Given User open the chrome browser and starhealth application
When User waits for the Welcome to Star Health pop-up and closes it
Then validates the Star Health home page title using a JUnit assertion
Then clicks on the Buy Now button
And User enters following details
URL	FullName	PhNo	PIN	Email
admin	admin	9380756810	585326	admin@gmail.com
maya	admin	9380756810	585326	admin@gmail.com
And User clicks on the Star Health logo
Then Close all the browsers

StarHealth.java file:

package steps;

import java.util.List;

import java.util.Map;

import java.util.regex.Matcher;

import java.util.regex.Pattern;

import org.openqa.selenium.JavascriptExecutor;

import org.junit.Assert;

import org.openqa.selenium.By;

import org.openqa.selenium.NoSuchElementException;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

```
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;

import io.cucumber.datatable.DataTable;
import io.cucumber.java.en.And;
import io.cucumber.java.en.Given;
import io.cucumber.java.en.Then;
import io.cucumber.java.en.When;

public class StarHealth {

    WebDriver driver;

    @Given("User open the chrome browser and starhealth application")
    public void
user_open_the_chrome_browser_and_starhealth_application() {

        //System.setProperty("webdriver.chrome.driver", "C:\\Program
Files\\Google\\Chrome\\Application\\chromedriver.exe");

        driver = new ChromeDriver();

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

        driver.get("https://www.starhealth.in");

    }

    @When("User waits for the Welcome to Star Health pop-up and closes
it")
```

```
public void
user_waits_for_the_welcome_to_star_health_pop_up_and_closes_it() {

    try {

        // Implement code to check if the pop-up is present

        WebElement popup = driver.findElement(By.id("popupLocator")); //
        Replace with the actual locator

        if (popup.isDisplayed()) {

            // If the pop-up is displayed, close it by clicking a close button or
            other method

            WebElement closeButton =
            driver.findElement(By.id("closeButtonLocator")); // Replace with the actual
            locator

            closeButton.click();

        }

    } catch (NoSuchElementException e) {

        // Handle the case where the pop-up is not present

        System.out.println("Welcome pop-up not found. Continuing without
        closing.");

    }

}
```

```
@Then("validates the Star Health home page title using a JUnit
assertion")
```

```
public void
validates_the_star_health_home_page_title_using_a_j_unit_assertion() {
```

```
// Get the page title using driver.getTitle()

// Get the actual page title using WebDriver

String actualTitle = driver.getTitle();


// Define the expected title

String expectedTitle = "Star Health Insurance: Medical, Accident and
Travel insurance policies"; // Replace with the expected title


// Use JUnit's assertion to validate the title

Assert.assertEquals("Page title does not match", expectedTitle,
actualTitle);

}


@Then("clicks on the Buy Now button")

public void clicks_on_the_buy_now_button() {

    // Implement code to locate and click on the "Buy Now" button

    try {

        WebElement buyNowButton =
driver.findElement(By.xpath("//*[@id="__next"]/div/div/header/div[2]/div[2]/
div/button")); // Replace with the actual locator

        buyNowButton.click();

    } catch (NoSuchElementException e) {

        // Handle the case where the "Buy Now" button is not found

        System.out.println("Buy Now button not found.");

    }

}
```

```
@And("User enters following details")

public void user_enters_following_details(DataTable datatable) {

    // Use the DataTable to fetch and input data

    List<Map<String, String>> userList =
datatable.asMaps(String.class, String.class);

    for (Map<String, String> data : userList) {

        String fullName = data.get("FullName");

        String phNo = data.get("PhNo");

        String pin = data.get("PIN");

        String email = data.get("Email");

//        String getstarted = data.get("Submit");

        // Implement code to interact with input fields and enter data

driver.findElement(By.xpath("//*[@id=\"fullname\"]")).clear();

driver.findElement(By.xpath("//*[@id=\"fullname\"]")).sendKeys(fullName);

driver.findElement(By.xpath("//*[@id=\"mobile\"]")).clear();// Replace with the
actual locator for FullName field

driver.findElement(By.xpath("//*[@id=\"mobile\"]")).sendKeys(phNo);
```

```
driver.findElement(By.xpath("//*[@id=\"zipcode\"]")).clear();// Replace with
the actual locator for PhNo field
```

```
driver.findElement(By.xpath("//*[@id=\"zipcode\"]")).sendKeys(pin); //
Replace with the actual locator for PIN field
```

```
driver.findElement(By.xpath("//*[@id=\"email\"]")).clear();
```

```
driver.findElement(By.xpath("//*[@id=\"email\"]")).sendKeys(email);
```

```
driver.findElement(By.xpath("//*[@id=\"userDetails-
form\"]/div/div/div/div[1]/div/div/div[2]/div/button")).submit();
```

```
//
```

```
driver.findElement(By.xpath("//*[@id=\"__next\"]/div/main/div[2]/div[2]/div/d
iv[2]/div/div/div[2]/div[2]/div/div/div[1]/div[1]/div[2]/button")).click();
```

```
//
```

```
driver.findElement(By.xpath("//*[@id=\":r7:\"]")).sendKeys(email);
```

```
}
```

```
}
```

```
@And("User clicks on the Star Health logo")
```

```
public void user_clicks_on_the_star_health_logo() {
```

```
// Implement code to click on the Star Health logo to go back to the
homepage
```

```
try {
```

```
WebElement logoElement =  
driver.findElement(By.xpath("//img[@class = 'jss341']")); // Replace with the  
actual locator
```

```
    logoElement.click();  
} catch (NoSuchElementException e) {  
    System.out.println("Star Health logo not found.");  
}  
}
```

```
@Then("Close all the browsers")  
public void close_all_the_browsers() {  
    System.out.println("Browser closed");  
}  
}
```

Runner file:

```
package steps;
```

```
import org.junit.runner.RunWith;
```

```
import io.cucumber.junit.Cucumber;
```

```
import io.cucumber.junit.CucumberOptions;
```

```
@RunWith(Cucumber.class)
```

```
@CucumberOptions(
    features = "C:\\Users\\PC\\eclipse-
workspace\\starhealths\\src\\test\\resources\\Feature\\StarHealth.feature",
    glue = {"steps"},
    dryRun = false,
    plugin = {"pretty",
        "html:target/Testreport.html",
        "com.aventstack.extentreports.cucumber.adapter.ExtentCucumberAdapter:"},
    "timeline:test-output-thread/"
    },
    monochrome = true // console output will be in more readable format
)
```

```
public class MyRunner {
    }
}
```

POM FILE:

```
<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
https://maven.apache.org/xsd/maven-4.0.0.xsd">
    <modelVersion>4.0.0</modelVersion>
    <groupId>bddtest</groupId>
    <artifactId>starhealths</artifactId>
    <version>0.0.1-SNAPSHOT</version>

    <dependencies>

    <dependency>
        <groupId>org.seleniumhq.selenium</groupId>
        <artifactId>selenium-java</artifactId>
        <version>4.11.0</version>
    </dependency>

    <!-- https://mvnrepository.com/artifact/io.github.bonigarcia/webdrivermanager -->
```



```
<dependency>
  <groupId>io.github.bonigarcia</groupId>
  <artifactId>webdrivermanager</artifactId>
  <version>5.4.1</version>
</dependency>

<dependency>
  <groupId>commons-io</groupId>
  <artifactId>commons-io</artifactId>
  <version>2.11.0</version>
</dependency>

<!-- https://mvnrepository.com/artifact/org.testng/testng -->
<dependency>
  <groupId>org.testng</groupId>
  <artifactId>testng</artifactId>
  <version>7.7.1</version>
  <scope>test</scope>
</dependency>

<!-- https://mvnrepository.com/artifact/com.aventstack/extentreports -->
-->
<dependency>
  <groupId>com.aventstack</groupId>
  <artifactId>extentreports</artifactId>
  <version>5.0.9</version>
</dependency>

<!-- https://mvnrepository.com/artifact/org.apache.poi/poi -->
<dependency>
  <groupId>org.apache.poi</groupId>
  <artifactId>poi</artifactId>
  <version>4.1.1</version>
</dependency>

<dependency>
  <groupId>org.apache.poi</groupId>
  <artifactId>poi-ooxml</artifactId>
  <version>4.1.1</version>
</dependency>

<!-- https://mvnrepository.com/artifact/org.apache.poi/poi-ooxml-
schemas -->
<dependency>
  <groupId>org.apache.poi</groupId>
  <artifactId>poi-ooxml-schemas</artifactId>
  <version>4.1.1</version>
</dependency>

<dependency>
  <groupId>org.apache.logging.log4j</groupId>
  <artifactId>log4j-api</artifactId>
  <version>2.14.1</version>
</dependency>

<!-- https://mvnrepository.com/artifact/org.apache.logging.log4j/log4j-core -->
<dependency>
```

```
<groupId>org.apache.logging.log4j</groupId>
<artifactId>log4j-core</artifactId>
<version>2.14.1</version>
</dependency>

<dependency>
  <groupId>org.junit.jupiter</groupId>
  <artifactId>junit-jupiter-api</artifactId>
  <version>5.9.3</version>
  <scope>test</scope>
</dependency>

<!-- https://mvnrepository.com/artifact/io.cucumber/cucumber-java -->
<dependency>
  <groupId>io.cucumber</groupId>
  <artifactId>cucumber-java</artifactId>
  <version>7.10.1</version>
</dependency>

<!-- https://mvnrepository.com/artifact/io.cucumber/cucumber-java -->
<dependency>
  <groupId>io.cucumber</groupId>
  <artifactId>cucumber-junit</artifactId>
  <version>7.10.1</version>
  <scope>test</scope>
</dependency>

<!-- https://mvnrepository.com/artifact/io.cucumber/cucumber-java -->
<dependency>
  <groupId>io.cucumber</groupId>
  <artifactId>cucumber-core</artifactId>
  <version>7.10.1</version>
</dependency>

<dependency>
  <groupId>tech.grasshopper</groupId>
  <artifactId>extentreports-cucumber7-adapter</artifactId>
  <version>1.7.0</version>
</dependency>

<!-- https://mvnrepository.com/artifact/io.cucumber/cucumber-testng -->
<dependency>
  <groupId>io.cucumber</groupId>
  <artifactId>cucumber-testng</artifactId>
  <version>7.10.1</version>
</dependency>

</dependencies>
</project>
```