**Phase-End Project 2**

**Automating the Star Health Application Using Selenium**

Project Agenda: To automate functionalities on the starhealth.in website using Selenium

WebDriver

Scenario:

You are working as a Test Engineer at XYZ Corp. Your company has decided to automate a few

functionalities for one of the Healthcare companies.

You have been asked to design functionality to automate testing using Selenium and

Cucumber/TestNG with a Maven project.

Tools Required:

● Eclipse/IntelliJ

● Java 1.8+

● Git

● Jenkins

● Cucumber-Java maven dependency version 6.8.0

● Cucumber-JUnit maven dependency version 6.8.0

● Selenium maven dependency version 4.4.0

● TestNG maven dependency version 6.14.3

Expected Deliverables:

Test Scenario: 1 [Cucumber + JUnit]

● Create a maven Project

● Add dependencies in the POM.XML file

● Create a cucumber feature file inside src/test called starHealth.feature

● Create the First scenario in the feature file as given in the scenario: [Note: “<>” refers to

a parameter]

● In the below scenario, <URL>, <FullName>, <PhNo>, <PIN>, and <OptionPlan>

parameter values should be driven from the Cucumber Table

● Use Extend Reporting while each step is PASS/FAIL

○ Scenario: Validate the Star Health Buy Now flow

○ User launches the Star Health application with "<URL>"

○ User waits for the Welcome to Star Health pop-up and closes it

○ User validates the Star Health home page title using a JUnit assertion

○ User clicks on the Buy Now button

○ User types Name as "<FullName>"

○ User types Phone as "<PhNo>"

○ User types the PIN as "<PIN>"

○ User clicks on I need health insurance from the drop-down menu

○ User selects the option "<optionPlan>"

○ User sees the Plan for My Family page

○ User validates that the mobile number is the same as the previously entered

number using a JUnit assertion

○ User clicks on the Star Health logo

○ The Application should redirect to the home page

○ User closes the child tab

○ User navigates back to the parent tab

● Parameterize all Cucumber test data through the Feature File scenario table

● Use the Page Factory/Page object model for a page HTML element

● Close the driver session for the above feature file scenario using Cucumber hooks

● Rewrite these feature file scenarios as a skeleton of test steps.

● Create a stepDef file and use this Skeleton method. Implement the test as per the test

automation flow

● Create a testRunner file and run the Cucumber test using it

● Run the testRunner file using the Maven command

● Create a FreeStyle Jenkins project and run this Cucumber project through Jenkins

Test Scenario: 2 [TestNG + Selenium]

● Create a testNG.xml file in the same Maven project

● Configure a test "starhealth001" inside the testNG.xml file

● Create a new Java file for the TestNG test implementation

● Use Extend Reporting while each step is PASS/FAIL

● TestNG test steps:

○ Use @BeforeClass/@BeforeSuite to launch https://www.starhealth.in/

○ Validate the alt value of the star health logo is 'Star Health' using the TestNG

assertion

○ Hover the cursor on the header Plans menu option

○ Click on the For My Family option

○ Validate Authorize checkbox is checked by default using TestNG assertion

○ Type name, mobile, and email. Now, click Next [data should be parameterized

from the testNG.xml file]

○ Click on the Back button

○ Validate data for name, mobile, and email fields [From an Excel Sheet using a

data-driven approach] are filled up. Validate field values are the same as in the

previous step. Use TestNG assertions

○ Keep social media details for Twitter, Facebook, LinkedIn, YouTube, and

Instagram in an Excel Sheet. Read these details during execution and validate

using the TestNG assertion, checking that these social media options are

available in the Star Health footer section

○ Scroll down on the same page and click on the Twitter logo present in the footer

of the social media section

○ Validate the Twitter page opens in a new TAB and that the starhealthins text is

present in the Twitter page URL

○ Close the child’s Twitter TAB

○ Use @AfterClass/@AfterSuite to quit the driver session

● Use the Page Factory/Page object model for a page HTML element

● Run the TestNG scenario using the testNG.xml file

● Create another test "starhealth002" inside the testNG.xml file. This test will launch

https://www.starhealth.in/ and print all links present on the Star Health home page

● Now, we have two TestNG tests inside the testNG.xml file. One is starhealth001, and the

other is starhealth002. Run these 2 scenarios using TestNG’s parallel execution

● Run the TestNG test using the maven command

● Upload/Check-in the entire code in GIT

● Configure this code using Jenkins and run it through Jenkins