Source code

package com.amazon.pages;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

public class AmazonHomePage {

private final WebDriver driver;

public AmazonHomePage(WebDriver driver) {

this.driver = driver;

}

public void navigateToHomePage() {

driver.get("https://www.amazon.com");

}

public WebElement getSearchBox() {

return driver.findElement(By.id("twotabsearchtextbox"));

}

public WebElement getSearchButton() {

return driver.findElement(By.id("nav-search-submit-button"));

}

}

AmazonSearchSteps.java (Step Definitions):

package com.amazon.stepdefinitions;

import io.cucumber.java.en.Given;

import io.cucumber.java.en.When;

import io.cucumber.java.en.Then;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import com.amazon.pages.AmazonHomePage;

public class AmazonSearchSteps {

private final WebDriver driver = new ChromeDriver();

private final AmazonHomePage amazonHomePage = new AmazonHomePage(driver);

@Given("the user is on the Amazon homepage")

public void givenTheUserIsOnAmazonHomepage() {

amazonHomePage.navigateToHomePage();

}

@When("the user searches for {string}")

public void whenTheUserSearchesForProduct(String product) {

amazonHomePage.getSearchBox().sendKeys(product);

amazonHomePage.getSearchButton().click();

}

@Then("the search results page should be displayed")

public void thenTheSearchResultsPageShouldBeDisplayed() {

// Validate if search results page is displayed

}

}

amazon\_search.feature (Feature File):

Feature: Amazon Search Functionality

Scenario: User searches for a product

Given the user is on the Amazon homepage

When the user searches for "laptop"

Then the search results page should be displayed

TestRunner.java (Cucumber Test Runner):

package com.amazon.testrunners;

import io.cucumber.junit.Cucumber;

import io.cucumber.junit.CucumberOptions;

import org.junit.runner.RunWith;

@RunWith(Cucumber.class)

@CucumberOptions(features = "src/test/resources/features", glue = "com.amazon.stepdefinitions")

public class TestRunner {

}