

# Create a Cucumber Framework for Amazon App.

## Description

As a Full Stack Developer, you have to build an automation script and integrate it with Cucumber to implement BDD approach in the project.

## Background of the problem statement:

As the project is in the final stage, management has asked you to automate the basic functionalities of Amazon for the internal employees. Also, you shall integrate it with Cucumber for easy development. This will help the development and DevOps team to work efficiently with the application.

## You must use the following:

- Eclipse
- Selenium WebDriver
- Cucumber

## Source code-

### Pom.xml:-

```
<?xml version="1.0" encoding="UTF-8"?>

<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
http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>

  <groupId>AmazonApp</groupId>
  <artifactId>AmazonApp</artifactId>
  <version>0.0.1-SNAPSHOT</version>

  <name>AmazonApp</name>
  <!--FIXME change it to the project's website-->
  <url>http://www.example.com</url>

  <properties>
    <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
    <maven.compiler.source>1.7</maven.compiler.source>
    <maven.compiler.target>1.7</maven.compiler.target>
  </properties>
  <dependencies>
    <dependency>
      <groupId>junit</groupId>
      <artifactId>junit</artifactId>
      <version>4.11</version>
      <scope>test</scope>
    </dependency>
  </dependencies>
</project>
```

```

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

<!--
https://mvnrepository.com/artifact/io.github.bonigarcia/webdriverman
ager -->
<dependency>
    <groupId>io.github.bonigarcia</groupId>
    <artifactId>webdrivermanager</artifactId>
    <version>5.4.1</version>
</dependency>

<!--
https://mvnrepository.com/artifact/tech.grasshopper/extentreports-
cucumber7-adapter -->
<dependency>
    <groupId>tech.grasshopper</groupId>
    <artifactId>extentreports-cucumber7-adapter</artifactId>
    <version>1.7.0</version>
</dependency>

</dependencies>

```

```

<build>
  <pluginManagement><!--lockdownpluginsversionstoavoidusing Maven
defaults (may be moved to parent pom) -->
    <plugins>
      <!-- clean lifecycle, see
https://maven.apache.org/ref/current/maven-
core/lifecycles.html#clean\_Lifecycle -->
      <plugin>
        <artifactId>maven-clean-plugin</artifactId>
        <version>3.1.0</version>
      </plugin>
      <!-- default lifecycle, jar packaging: see
https://maven.apache.org/ref/current/maven-core/default-
bindings.html#Plugin\_bindings\_for\_jar\_packaging -->
      <plugin>
        <artifactId>maven-resources-plugin</artifactId>
        <version>3.0.2</version>
      </plugin>
      <plugin>
        <artifactId>maven-compiler-plugin</artifactId>
        <version>3.8.0</version>
      </plugin>
      <plugin>
        <artifactId>maven-surefire-plugin</artifactId>
        <version>2.22.1</version>
        <configuration>
          <includes>
            <include>**/*Runner.java</include>
          </includes>
        </configuration>
      </plugin>
      <plugin>
        <artifactId>maven-jar-plugin</artifactId>
        <version>3.0.2</version>
      </plugin>
      <plugin>
        <artifactId>maven-install-plugin</artifactId>
        <version>2.5.2</version>
      </plugin>
      <plugin>
        <artifactId>maven-deploy-plugin</artifactId>
        <version>2.8.2</version>
      </plugin>
      <!-- site lifecycle, see
https://maven.apache.org/ref/current/maven-
core/lifecycles.html#site\_Lifecycle -->
      <plugin>
        <artifactId>maven-site-plugin</artifactId>
        <version>3.7.1</version>
      </plugin>
      <plugin>
        <artifactId>maven-project-info-reports-plugin</artifactId>
        <version>3.0.0</version>
      </plugin>
    </plugins>

```

```

    </pluginManagement>
</build>
</project>

```

## Featurefile:-

Feature:AmazonAppAutomation

```

Scenario:SuccessfulLogin
    GivenInavigatetotheAmazonloginpage When I
    enter valid login credentials
    ThenIshouldbeloggedinsuccessfully

Scenario:SuccessfulRegistration
    GivenInavigatetotheAmazonregistrationpage When I
    enter valid registration details
    Thenmyaccountshouldbecreatedsuccessfully

Scenario:SearchforaProduct
    GivenIamloggedintotheAmazonapp
    WhenIsearchforaproductwithkeyword"laptop"

```

## AmazonTest:-

```

package steps;

import static org.junit.Assert.assertTrue;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;

import io.cucumber.java.en.Given;
import io.cucumber.java.en.Then;
import io.cucumber.java.en.When;

public class AmazonTest {
    private WebDriver driver;

    @Given("InavigatetotheAmazonloginpage")
    public void i_navigate_to_the_amazon_login_page() {

        driver = new ChromeDriver();
        driver.get("https://www.amazon.com");
    }

    @When("Ientervalidlogincredentials")
    public void i_enter_valid_login_credentials() {

        driver.findElement(By.id("ap_email")).sendKeys("6306006966");
    }
}

```

```

        driver.findElement(By.xpath("//input[@id='continue']")).click(
    );

    driver.findElement(By.id("ap_password")).sendKeys("Samrat@26")
;

    driver.findElement(By.xpath("//input[@id='signInSubmit']")).click();

    }

    @Then("Ishouldbeloggedinsuccessfully")
    publicvoidi_should_be_logged_in_successfully(){
        boolean isWelcomeMessageDisplayed =
driver.findElement(By.id("welcomeMessage")).isDisplayed();

        assertTrue("Welcomemessageisnotdisplayedafter successful
login", isWelcomeMessageDisplayed);
    }

    @Given("InavigatetotheAmazonregistrationpage")
    publicvoidi_navigate_to_the_amazon_registration_page(){ driver
        = new ChromeDriver();

        driver.get("https://www.amazon.in/ap/register?openid.pape.max_auth_age=0&openid.return_to=https%3A%2F%2Fwww.amazon.in%2Fgp%2Fcss%2Fhomepage.html%2F%3Fie%3DUTF8%26ref_%3Dnav_newcust&openid.identity=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0%2Fidentifier_select&openid.assoc_handle=inflex&openid.mode=checkid_setup&openid.claimed_id=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0%2Fidentifier_select&openid.ns=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0");

    }

    @When("Ientervalidregistrationdetails")
    publicvoidi_enter_valid_registration_details(){

        driver.findElement(By.xpath("//input[@id='ap_customer_name']")).sendKeys("GauravMall");

        driver.findElement(By.xpath("//input[@id='ap_email']")).sendKeys("gauravmallgkp@gmail.com");

        driver.findElement(By.xpath("//input[@id='ap_password']")).sendKeys("Samrat@26");

        driver.findElement(By.xpath("//input[@id='ap_phone_number']")).sendKeys("630606966");

        driver.findElement(By.xpath("//input[@id='continue']")).click(
    );

    }

    @Then("myaccountshouldbecreatedsuccessfully")
    publicvoidmy_account_should_be_created_successfully(){

```

```

        boolean isConfirmationMessageDisplayed =
driver.findElement(By.id("confirmationMessage")).isDisplayed();

        assertTrue("Confirmationmessageisnotdisplayedafter
successful registration",
            isConfirmationMessageDisplayed);
    }

    @Given("IamloggedintotheAmazonapp")
    publicvoidi_am_logged_in_to_the_amazon_app(){
        driver = new ChromeDriver();
        driver.get("https://www.amazon.com");

driver.findElement(By.id("ap_email")).sendKeys("6306006966");

        driver.findElement(By.xpath("//input[@id='continue']")).click(
);

        driver.findElement(By.id("ap_password")).sendKeys("Samrat@26")
;

        driver.findElement(By.xpath("//input[@id='signInSubmit']")).cl
ick();
    }

    @When("Isearchforaproductwithkeyword{string}")
    publicvoidi_search_for_a_product_with_keyword(Stringstring)
{

        driver.findElement(By.xpath("//input[@id='twotabsearchtextbox'
]")).sendKeys("laptop");
        driver.findElement(By.xpath("//input[@id='nav-search-
submit-button']")).click();
    }

}

```

### RunnerFile:-

```

packageRunner;

importio.cucumber.junit.Cucumber;
importio.cucumber.junit.CucumberOptions;
importorg.junit.runner.RunWith;

@RunWith(Cucumber.class)
@CucumberOptions(
    features =
"C:\\Users\\91630\\newWorkSpace\\AmazonApp\\src\\test\\java\\Feature
s\\AmezonFeatureFiles.feature",
    glue="steps"
)

```

```
public class TestRunner {  
}
```

GitHub link:

[https://github.com/chandana161/phase2lessonend\\_project.git](https://github.com/chandana161/phase2lessonend_project.git)