**Steps to automate the ‘find a recipe’ functionality**

1. Set property name and value of browser-specific driver

System.*setProperty*("webdriver.chrome.driver", "//Users//userName//Downloads//chromedriver");

1. Create WebDriver instance

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

1. Maximize window

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

1. Navigate to webpage allrecipes.com

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

1. Locate webelement on web page using Locators in Selenium

WebElement - commonly used locators are ID,Xpath,CssSelector, className, tagName

searchBox=driver.findElement(By.*xpath*("//input[@id='search-block']"));

1. Perform wait operations as required to confirm that page is loaded; Perform one or more user actions on the element:

**new** WebDriverWait(driver, 20).until(ExpectedConditions.*elementToBeClickable*(searchBox)).sendKeys("Cookie");

WebElement searchButton=driver.findElement(By.*xpath*("//body/main[1]/section[1]/div[1]/div[1]/form[1]/button[1]"));

**new** WebDriverWait(driver, 20).until(ExpectedConditions.*elementToBeClickable*(searchButton)).click();

1. Run Test-Can use Jenkins/ TestNG/ maven command in terminal etc to trigger testcases.
2. Record results and compare results from them to the expected output.

Eg,TestNG Assertion can be used

Assert.assertEquals(actualPageTitle,expectedPageTitle)l;

1. Close Browser

driver.close();

Sample Java Code Used to automate ‘find a recipe’ scenario:

**import** java.util.concurrent.TimeUnit;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.JavascriptExecutor;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**import** org.openqa.selenium.support.ui.ExpectedConditions;

**import** org.openqa.selenium.support.ui.WebDriverWait;

**public** **class** FindRecipeMeredith {

**public** **static** **void** main(String[] args) **throws** InterruptedException {

// **TODO** Auto-generated method stub

System.*setProperty*("webdriver.chrome.driver", "//Users//saranya.v//Downloads//chromedriver");

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

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

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

//Thread.sleep(7000);

WebElement searchBox=driver.findElement(By.*xpath*("//input[@id='search-block']"));

**new** WebDriverWait(driver, 20).until(ExpectedConditions.*elementToBeClickable*(searchBox)).sendKeys("Cookie");

WebElement searchButton=driver.findElement(By.*xpath*("//body/main[1]/section[1]/div[1]/div[1]/form[1]/button[1]"));

**new** WebDriverWait(driver, 20).until(ExpectedConditions.*elementToBeClickable*(searchButton)).click();

}

}