**Project Name: Automate the Web Application**

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**Github link** : <https://github.com/meetshah133/AutomateWebApplication.git>

Requirement

Using the website link “<http://automationpractice.com/index.php>” to automate different functionalities such as registration form, login, search bar, and add-to-cart automation.

Proposed solution

Developed project “AutomationTesting” is a java project which uses selenium webdriver to perform automation and uses TestNG framework to run and report test.

Project consist of 4 classes under the package called “test”

1. RegistrationTest.java

This class file is used to automate the registration process. It opens the webpage and clicks on sign in button, then it generates a random email id which is to be used for registration. This script then fills the entire registration form and validates if the registration is successful or not by asserting expected and actual url of the website.

1. LoginTest.java

This class file is used to automate the login process. It performs two test which are as follow

1. invalidlogin()

This test is perform to ensure website does not allows fake users to login. This test is perform by login through invalid credentials which are not registered on the website. This test is verified by asserting actual and expected url.

1. login()

This test is perform to ensure website allows authenticated user’s to access their account. In this test valid credentials which are previously registered are used to login.This test is verified by asserting actual and expected url.

3.) SearchTest.java

This class file is used to automate the searching process of the webpage. In this test keyword “Dress” is searched using the search bar and the corresponding results are displayed.This test is verified by asserting actual and expected url.

4.) CartTesting.java

This class file is used to automate add to cart process. In this test the product to be added to cart is identified using its xpath and “add to cart” button is clicked. Once the product is added to the cart a pop up appears which shows the product is added into the cart. The text “There is 1 item in your cart” is used to verify whether the product is added to cart or not.

How to run the test?

1. First of all user needs to add selenium jars file based on their os.
2. Then user needs to download chromedriver.exe based on the version of their chrome browser.
3. Then user needs to specify the path of chromedriver.exe in the System.setProperty() as follow

System.setProperty("webdriver.chrome.driver", "D:\\Drivers\\chromeDriver\\chromedriver.exe");

1. Now user needs to install the TestNG framework in eclipse
2. Once TestNG is installed, user needs to open testing.xml file of the project.

All the test are included in the suite of testing.xml

1. User needs to right click on the testing.xml file and select run as TestNG suite
2. Once the test is completed successfully user needs to refresh the webpage and can find the test result in the test\_output folder -> index.html