

WEB APP AUTOMATION TEST

PREREQUISITES:

1. INSTALLATION OF WEB DRIVER

- To run a Selenium Java Project on the browser, we need a web driver. In this project we need to have chromedriver for automation since the project runs on chrome browser.
- To download chromedriver, click the below link and download the driver respective to your chrome version.

<https://sites.google.com/a/chromium.org/chromedriver/>

- After installing the driver, go to Edit the system environment variables -> Environment Variables -> System Variables -> Choose Path -> Click Edit -> Click New -> Paste the location of driver -> Click Ok -> Click Ok
- If the above step is not followed, we have to manually call the driver everytime in the program using the following statement,

```
System.setProperty("webdriver.chrome.driver",  
    "<Location of driver>");
```

2. INSTALLATION OF TestNG

- To install TestNG, open your IDE [Eclipse or STS].
- Click on Help -> Install New Software
- In the “Work with:” textbox, type the following URL and click on Add
<https://dl.bintray.com/testng-team/testng-eclipse-release/6.14.3>
- In the dialog box, give a name (say TestNG) and paste the above URL in the “Location” field and click Add.
- Now a checkbox will appear with the name given in the previous step. Click the checkbox and click Next.
- Afterwards it shows two sub jar files/packages to install. Select both and install them.
- After installation, restart your IDE.

STEPS TO EXECUTE THE APPLICATION:

Step 1: Clone the repository from the given github url.

Step 2: Open your IDE, then click on File -> Open Projects from File System -> Import Source (in case of Eclipse or STS4).

- Choose the location of your folder.
- Click Finish

Step 3: To use TestNG in the project, Right click on the Project -> Build Path -> Configure Build Path -> Libraries -> Add Library -> Select TestNG -> Click on Next -> Click on Finish -> Click on Apply and Close

Step 4: To automate all the tests in one go, go to testing.xml and Run as TestNG Suite.

- Now it starts automating all the steps (register, login, search and addToCart).

Step 5: To run each test separately, right click on the respective test program and run as TestNG Test. For example, if you want to test login function, simply run login.java alone.

Step 6: To view the test reports, Go to test-output folder and open emailable-report in browser. You can also open index.html to view the reports.