

GLB Test Automation

GLB Test Automation is the automation testing tool to test the glb website. It is currently tested and programmed for GLB Beta website on chrome web browser.

Features

- Automation Test Suite for following modules:
 - Rate
 - Lessee
 - Vendor
 - Investor
 - State
 - Utilities - Invoice
 - Utilities - Filter
 - Utilities - Docset
 - Reports - Contract Status Reports
 - Reports - Management Status Reports
 - Reports - Sales Reports

Technology stack

- Java JDK 1.8 - programming
- Maven - Build and dependency management.
- Eclipse IDE - development Editor
- Chrome driver - supporting chrome web browser.
- TestNG - Test automation framework
- Selenium - web automation scripting framework

Installation and execution instructions

Using GLB Automation JAR file

If you already have the automation test suite executor zip file. Then follow below steps:

- The executor zip contains below files after you unzip it:

```
cd C:/executor
```

- test-automation-0.0.1-SNAPSHOT-automation-tests.jar
- testng.xml
- test-config.properties
- chromedriver.exe

- Open test-config.properties
 - define the value of key "test.execution.report.path" to the location where you want the test execution report to be generated. E.g.

```
test.execution.report.path=C:/executor/reports
```

- define the value of key "browser.config.driver.path" to the complete location where you have browser driver. E.g.

```
browser.config.driver.path=C:/executor/chromedriver.exe
```

OR

- create C:\tools directory and copy the chromedriver.exe into it. This is the default location configured in configuration file.

```
browser.config.driver.path= C:/tools/chromedriver.exe
```

- set the execution background to "true" if you do not want the automation test execution to be done in background.

```
test.execution.background.enabled=true
```

- Open testng.xml file
 - update the parameter named "config-file-path" with value as the location where test-config.properties file is located.

```
<parameter name="config-file-path" value="C:/executor" />
```

- comment the test cases if want to execute test cases for only specific module.

```
<!-- class  
name="com.nq.glb.automation.test.suite.InvoicesModuleTest" /> -->
```

- Open the command prompt and run the below command

```
java -jar test-automation-0.0.1-SNAPSHOT-automation-tests.jar  
org.testng.TestNG testng.xml
```

- After execution of test cases, it will generate the report at the configured location defined in test.execution.report.path property.
- Open the glb_automation.html to get the details of test execution results.

Using GLB Automation Code

- Go to the project root directory.

```
cd C:\code\glb-test-automation
```

- Run the below command

```
mvn clean install -DskipTests=true
```

- After jar is created get the jar file from target directory and copy it into any directory.
- Copy the test-config.properties and testng.xml from code to directory where jar is placed.
- Follow the steps as mentioned above in process 1.

Using GLB Automation Code and Eclipse IDE

- Open the glb-test-automation project in eclipse.
- right click on testng.xml and run it as TestNG. This will execute the testcases.