**#MakeMyTrip Automation Project**

This project is a Maven-based Java project that uses Selenium WebDriver, TestNG, and Extent Reports to test the functionality of the website ‘MakeMyTrip’.

\*The project consists of the following test cases:\*

• Open the website and click on ‘Cabs’ and verify if it is redirected to the cabs page.

• Enter the details like ‘From’-- Delhi ‘To’-- Manali and date and time as 6:30 am and click on search and then get the lowest price of the cab available.

• Click on Giftcards and select any giftcard and fill the sender’s and recipient’s details and enter wrong email and capture the alert message.

• Go to hotels page and verify if it is redirected to hotels page and then capture the number of adults.

**#Prerequisites.**

\*To run this project, you need to have the following software installed on your system:\*

• Java 8 or higher

• Maven 3.9+ requires JDK 8 or above

• Selenium Server 4.17.0

• Jenkins.war

**#Dependencies**

\*The project uses the following dependencies:\*

• selenium-java 4.15.0

• webdrivermanager 5.6.2

• commons-io 2.13.0

• apache.poi 5.2.2

• poi-ooxml 5.2.2

• log4j-api 2.22.1

• log4j-core 2.22.1

• extentreports 5.1.1

• testng 7.8.0

**#Plugins**

\*The project uses the following plugins to run the project through pom.xml:\*

• maven-compiler-plugin 3.12.1

• maven-surefire-plugin 3.2.5

**#How to run**

\*You can run the project in different ways:\*

• Using the pom.xml file: Right-click on the pom.xml file and select ‘Run as Maven test’.

• Using main.xml: Right-click on the main.xml file and select ‘Run as TestNG Suite'.

• Using the command prompt: Navigate to the project directory and execute the command ‘mvn test’.

• Using the batch file: Double-click on the run.bat file in the project directory.

• Using the Selenium Grid: Start the hub and node servers using the commands ‘java -jar selenium-server.jar hub’ and ‘java -jar selenium-server.jar node -hub http://localhost:4444/grid/register’ respectively, and then run the project as mentioned above.

• Using Jenkins: Deploy the jenkins.war file on a web server and access the Jenkins dashboard. Create a new job and configure it to use the project’s GitHub repository and the pom.xml file. Build the job and view the test results and reports.

**#Reports**

The project generates Extent Reports in the test-output folder. The reports contain the test execution details, screenshots, and logs. You can view the reports by opening the index.html file in a browser.

#Logs

The logs folder contains automation.log file. This file records the output of the test cases and the errors encountered during the testing process.