**Read the below instructions before you take up the assessment:**

A web-based scenario of **medium** complexity would be provided. Associate should utilize Java based selenium tool for implementation of test automation solution

**Points to be noted during your automation:**

* Followed POM (Page Object Model) standards and organizing pages/java class files
* Implemented TestNg with POM. Proper TestNG concepts and XML to run the project.
* Should have implemented reusable functions separately to improve more readability.
* Multibrowser execution- Should have handled at least two browsers (Firefox and IE/Chrome). Optional - desired capabilities/driver setup
* Data driven concept - Input data should be imported from an external excel sheet (Ex: using Apache PoI libraries in case of Java) or Properties file or flat file
* Handled exceptions with exception handling & error messages
* Should have used relative Xpath
* Check code is syntactically correct and executes end to end successfully
* Coding standard should be followed, which includes variable, object naming convention, script headers & comments
* Used ID or Name locator instead of XPATH
* Functions should have header, comments wherever applicable to improve readability and maintainability
* Should handle page synchronization issues using industry standard best practices. UseTimeout instead of Sleep statement wherever applicable.
* Validation messages should be logged into the Test Results with screenshot. Log mandatory test-steps in reporting statement
* Should have used relative Xpath

**Read the requirement carefully and submit Test Automation Solution as mentioned below:**

**Case Study 1:**

**Note:**

* Before you start automating the case study, execute the given test case scenario manually to understand the application flow better.
* Implement the code using TestNg with POM(Page Object Model). Proper TestNG concepts and XML to run the project with specific Folder structure and Class files.
* Implement code for atleast 2 Browsers by handling exceptions & error messages.

**Case Study Name :** Redbus

**Website :** http://www.redbus.in//

**Steps to be followed:**

1. Navigate to <https://www.redbus.in/> website

2. Pick up the value for the From station and To station from the excel ( "Coimbatore" for From station and "Chennai" for To station)

3. Enter the date as future date for 'Onward Date'

4. Click "Search Buses" button

5. Choose Bus Types as 'AC' checkbox

6. Take screenshot of result page

7. Print second Bus name and price

8. Close the opened browser

Deliverables:

* Automate the above steps and upload the folder in a zip format.