# Test Approach

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| Features to be tested | * View (Not logged in) * Register * Login * Update Profile * Voting and Comment * Ranking * Logout |
| Approach | * Perform Exploratory Testing to see what the application offers * Create High level test cases to perform functional testing * Execute test cases against all browsers * Perform API Testing to create multiple accounts to test car ranking (Use Dev tools to identify the Request URL, Request Method and Payload) * Perform Cross Browser testing * Perform more adhoc testing to discover more bugs * List all bugs identified * Create a Test report for the testing result |
| Assumption | All browsers are supported |
| Environment | Desktop   * Windows * MacOS   Browsers   * Google Chrome * Microsoft Edge * Safari * Firefox |
| Tools | Microsoft Excel  Postman |

# Most Critical Bugs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Bug No.** | **Title** | **Description** | **Browser** | **Steps to Reproduce** | **Screenshot Filename** |
| 01 | Profile is still displayed after user logs out | Profile is still displayed after user logs out. Sensitive user information such as Login details, Gender, Age, Phone Number and Address are displayed even when the user is logged out. | Chrome, Edge, Safari, Firefox | 1. Login as a user  2. Click on Profile  3. Click on Log out  Actual Result:  All fields with details of the user are still displayed  Expected Result:  Fields should be removed when user logs out. User should be redirected to the homepage | B01 |
| 02 | All pages become empty and buttons are not working after selecting Lancia Stratos Car model | All pages become empty and buttons are not working after selecting Lancia Stratos Car model. Dev Tools console displays the following:  EXCEPTION: TypeError: Cannot read properties of null (reading 'length') | Chrome, Edge, Safari, Firefox | 1. Login as a user  2. Click on Overall Ratings  3. Click on Lancia Make  4. Click on Stratos model  Actual Result:  Page become empty and buttons are not working  Expected Result:  Pages details should be displayed and buttons should work accordingly | B02 |
| 13 | Page remains loading when clicking on a car model | Page remains loading when clicking on a car model. User cannot view car models and cannot vote. | Safari, Firefox | 1. Click on Popular Model  Actual Result:  Page Remains loading  Expected Result:  Car model should be displayed | B13 |

Please see excel file for the list of bugs found

# Three functionalities to automate and why

The three functionalities I would like to automate are Register, Login and Voting. Register and Login will be used as a pre-requisite to be able to test the main functionality which is voting.

For Functional testing, having these three functionalities being automated, this will also test the accuracy of the accuracy of the vote count, ranking of a car model and validating whether the homepage changes when a different Make or Model makes it to rank 1. This will also be a big help when it comes to regression testing.

For Non-Functional testing, testers can easily perform Load testing, Stress testing and Cross Browser testing

# Test Result

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. of Executed test | Pass | Fail | Blocked | No Run |
| 196 | 138 | 48 | 12 | 2 |

Note:

No Run test case is validating whether the Popular Make on Homepage changes when a different Car Make has a higher number of votes. Given the total vote count of the current popular make (Lamborghini), I am not able to execute this test unless it is automated.

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| Number of Bugs Reported | 14 |

Please see excel file for reference