**Testing Approach**

Complete testing of a website (https://buggy.justtestit.org/) prior going live can help address issues before the system is revealed to the public. Issues may include the basic functionality, security, accessibility to all types of users, compatibility with multiple types of devices and operating systems, as well as readiness and survival for maximum allowed users. In order to cover various scenarios and to discover defects the following testing approach needs to be carried out:

1. **Functionality Testing**

The overall functionality of the website must be tested. This includes testing all links that point to the same page or different page. The main objective is to find any broken links, non-existent pages or orphan pages (pages that do not have any parent pages). All forms must also be tested for any values that are being typed in by the user to check proper validation (for example - Registration Form, user profile and comments in voting). Also, other basic requirements such as setting default values for each field, proper error messages displayed on wrong entry and ability to create/update fields must also be verified.

1. **Compatibility Testing**

The website must be checked for operating systems compatibility, browser compatibility and mobile browsing. It’s appearance on different inched monitors also can be tested since there are times when half the content of the website may disappear on small monitors.

1. **Usability Testing**

Testing for correct navigation within the webpage must be carried out in order to validate proper surfing of the web pages, consistency between various web pages. Also, presence of content on the pages must be tested for accuracy, logical/structural display, any spelling/grammatical errors and coordinated font sizes/colors. Presence of main menu must be checked on individual pages within the website. Image sizes and shapes and tables must look in place within the webpages.

1. **Interface Testing**

Interactions between web server interfaces and application server interfaces must be tested properly. Also, relevant error messages must be shown in case any problem arises during the interactions. Interactions between application servers and database servers must also be checked for correctness. Proper data updates/fetches from the backend database must be validated.

1. **Security Testing**

Login bypasses, direct URL modification and entry into the website through invalid login details must be tested. Testing must be done to include SQL injection, cross-site scripting, spoofing and password cracking on the website.

1. **Performance/Load Testing**

Response time and latency during normal hours must be tested on a website. It is extremely important to ensure that the website does not crumble under the pressure of many users browsing it. The performance of website should also be tested when the maximum number of users accesses the website at the same time. Also, when this maximum number of allowed users is exceeded, the website must be tested for proper crash recovery

**Bug Report**

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| **Bug Id** | Bug#1 |
| **Bug Title** | Password policy criteria is missing on the registration form |
| **Severity** | High |
| **Priority** | High |
| **Assigned to** | Developer\_Name |
| **Reported By** | Supriya |
| **Status** | New |
| **Platform/environment** | OS - windows 10  Browser - Chrome, Microsoft Edge |
| **Description** | A password policy criterion is not mentioned on the registration from. When user is trying to register with any random password which does not match the criteria, error message is thrown. There should be clear instructions for user to follow the password policy. |
| **Steps to reproduce** | 1. Open URL - <https://buggy.justtestit.org/> 2. Click on register 3. Enter details for login, first name and last name 4. Enter any random password with less than 6 characters 5. Enter the same password in confirm password field 6. Click on register |
| **Actual Result** | Error Message is displayed as “InvalidParameter: 1 validation error(s) found. - minimum field size of 6, SignUpInput.Password” |
| **Expected Result** | Password field should be validated for password policy criteria and should contain tooltip or placeholder text for the same. |
| **Screenshot** |  |

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| **Bug Id** | Bug#2 |
| **Bug Title** | Logout button is not functional on overall rating page |
| **Severity** | High |
| **Priority** | High |
| **Assigned to** | Developer\_Name |
| **Reported By** | Supriya |
| **Status** | New |
| **Platform/environment** | OS - windows 10  Browser - Chrome, Microsoft Edge |
| **Description** | User is unable to logout from List of all registered models page. The bug is reproducible only for the mentioned page (Overall Rating) |
| **Steps to reproduce** | 1. Open URL - <https://buggy.justtestit.org/> 2. Login to the website with registered user 3. Click on the Overall Rating image 4. Try to logout by clicking on logout button |
| **Actual Result** | User is not logged out and stays on the same page |
| **Expected Result** | User should be logged out and return to the Home/Login Page |
| **Screenshot** |  |

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| **Bug Id** | Bug#3 |
| **Bug Title** | ‘Buggy Rating’ link is broken on popular make page |
| **Severity** | High |
| **Priority** | High |
| **Assigned to** | Developer\_Name |
| **Reported By** | Supriya |
| **Status** | New |
| **Platform/environment** | OS - windows 10  Browser - Chrome, Microsoft Edge |
| **Description** | ‘Buggy Rating’ link is broken on popular make page. User is not redirected to the home page. The bug is also reproducible when user is not logged in. |
| **Steps to reproduce** | 1. Open URL - <https://buggy.justtestit.org/> 2. Login with registered user (optional) 3. Click on Popular Make image 4. Click on Buggy Rating 5. The link is broken, User is not redirected to the home page |
| **Actual Result** | User is not redirected to the home page |
| **Expected Result** | User should be redirected to the home page |
| **Screenshot** |  |