Test Approach

HTTPS://BUGGY.JUSTTESTIT.ORG/

RAMESH KADALI

Objective

The purpose of this document is to outline the high-level test approach for testing Buggy Cars Rating website.

Test Classification

- ❖ Functional Testing
- ❖ Non-Functional Testing
- ❖ User Acceptance testing

Functional Testing

Testing is focussed on functionalities implemented by validating happy path, negative test scenarios and edge cases for the below functionalities.

- Registration
- Login
- Site Functionality
- Site Navigation

Manual Testing

Manual testing of the functionalities needs to be completed to ensure all the business requirements are satisfied and acceptance criteria defined is met. Test scenarios, Steps and expected results are to be defined and all the identified bugs are to be tracked though the life cycle of the project

Inputs:

- Business requirements
- Test Cases
- Acceptance criteria
- Test data

Outputs:

- Bugs
- Test reports

Tools used:

- Jira Xray

Non-Functional Testing

Testing is focussed on validating if the non-functional requirements were met in below areas:

- Performance Testing
  - Validate if the application is capable of handling expected amount of user loads by simulating virtual users and checking for any bottlenecks
    - Load Test
    - Stress Test
    - Soak Test
    - Spike test
- Security Testing
  - Test the application to find out any security vulnerabilities
- Recovery Testing

- o   Check how the application is recovering from unexpected errors or outages in various dependant systems.

User Acceptance Testing

Test the application as a whole, to validate if the solution meets the business requirements and users can accept it as a solution. This includes executing the end-to-end scenarios and validating the state of the solution in various back-end systems. The following steps need to be carried during this phase:

- Test Planning
- Test Design
- Test Execution and Documentation
- Bug Fixing