

Short description of the test approach for this project

<https://buggy.justtestit.org>

Objective

Buggy Cars Rating website (<https://buggy.justtestit.org>) is the application under test. The objective of this project (activity) is to find as many valid defects as possible prior to production release. This is to confirm the quality to the stakeholders/business users.

A combination of reactive-based testing (exploratory) and risk-based testing (priority on the features) will be implemented. Test cases will be formulated and executed based on the evaluation of the system.

Testing Scope:

In-Scope Testing Type:

- Functional Testing
 - Manual
 - Automation (BDD, Data Driven)
- Exploratory (Experienced based) Testing
- Informal Performance Testing
 - Input multiple votes/comments and check system responsiveness
- Informal Security Testing
 - User profile and access

Out-of-Scope Testing Type:

- Formal Performance Testing
- Formal Security Testing (e.g. Penetration Testing)
- API Testing
- Backend Testing

Features to be Tested

- User Registration
 - Valid data
 - Invalid data – e.g. more than limits, incorrect field types, existing values
 - Required fields
 - Successful creation of a user
- Login/Logout
 - Valid user credentials
 - Invalid user credentials
 - Logout
- Buggy Cars Functionality
 - Popular Make
 - Correct car make description
 - Correct table row information (Model, Rank, Votes, Comments)

- Sorting of column headers
 - Links (text/images)
 - Page Navigation
 - Vote - Vote Count/Comments/Text limits
- Popular Model
 - Correct car model description (Specs, Vote Counts, Image)
 - Correct table row information (Date, Author, Comment)
 - Links (text/images)
 - Vote - Vote Count/Comments/Text limits
- Overall Rating
 - Correct table row information (Make, Model, Rank, Votes, Engine, Comments)
 - Sorting of column headers
 - Links (text/images)
 - Page Navigation
 - Vote - Vote Count/Comments/Text limits
- Profile
 - Profile Update (saved successfully)
 - Profile Update (saved unsuccessfully)
 - Change Profile
 - Change Password
 - Additional Info
- Others
 - Homepage link (Buggy Rating)
 - Social Media – Facebook/Twitter
 - Browsing through different car make and car model pages

Testing Process

- a) Perform initial exploratory testing (assuming there are no business requirements available).
- b) Assess the application functionalities in terms of risk/complexity/frequency of usage.
- c) Formulate test cases based on (a) and (b).
 - Manual Test Cases
 - Functional Testing
 - Informal Performance Testing
 - Informal Security Testing
 - Automation Test Cases
- d) Execute Manual test cases (based on prioritization).
- e) Execute Automation Test Cases – which will be the basis of regression test cases as well.
- f) Defect Management
 - Log Defects found
 - Defect Triage
 - Fix Defects by technical specialists
 - Retesting
- g) Status Reporting
- h) Test Sign-off and Closure