[Buggy Cars Rating]

**Test Approach**

**Revision History**

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| --- | --- | --- | --- |
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# Scope

* 1. Overview of solution:

This document defines test approach needed for buggy cars rating website. overview of the future operational environment and the components of the future operational environment that will be tested.

* 1. In scope:

The scope of the testing must describe all aspects of the project deliverables that are in scope for the test effort.

* 1. Out of scope:

Areas of business and systems, processes and activities that have been excluded from the testing effort.

# Test Approach

* 1. Overview of testing:
* Functional Testing:
  + Cover popular make, model, and overall rating
  + Car specification, content verification
  + User registration
  + User profile update
  + User login/logout
  + User data caching/consent
* Usability Testing:
  + Fast loading of pages
  + Links work, Images load properly
  + Console errors do not block navigation
  + Useful error messages on user forms
* Compatibility Testing:
  + Cross platform testing
  + Website rendering and navigation on different browsers
  + Mobile device compatibility
* Security Testing:
  + SSL certificates, login bypass, SQL injection etc.
  + Vulnerability, Penetration testing.
  + Compliance testing
* Performance Testing:
  + Load, stress testing, crash, and recovery testing
  + Spike and endurance tests
* Localisation Testing:
  + Language translations, local address etc
* Accessibility Testing:
  + Fonts, colours, text readers, gesture support on mobile devices
  + Keyboard shortcuts
* Profanity Checks
* User Acceptance Testing
* Regression Testing
  1. Automation testing:

Unit testing

UI Automation

Mobile Automation

* 1. Defect Management:
  2. Regression Testing and release sign off:

# Test Environment

* Number of environments
* Maintenance and upgrade
* Purpose of each environments
* Entry and exit criteria

# Testing Tools

* Automation and Test management tools needed
* Figure out number of open source as well as commercial tools required, and determine how many users are supported on it and plan accordingly

# Release Control

* Release management plan with appropriate version history that will make sure test execution for all modification in that release
* Regression test requirements
* PR approval process
* Rollback strategy

# Risk Analysis

* Identify risks
* Give a clear plan to mitigate the risks also a contingency plan
  + Review process

# Review and Approvals