**Buggy Cars Rating**

**Test Approach v0.01**

**Version History:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Description of Changes** |
| 0.1 | 24/02/2023 | Erwin Nacar | Initial draft |

**Distribution List:**

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**References:**

|  |  |
| --- | --- |
| **Name** | **Location** |
| <List the documents or links being reference to the Test Approach document> | <Indicate where the document can be found> |

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# **Introduction**

## Document Context and Purpose

This document has been produced to propose a structured test approach for the testing activities of Buggy Cars Rating website. It will primarily set the testing objectives, scope, and testing framework to be employed. The purpose of this document is to:

* Define the testing approach and scope of the testing effort
* Provide details of the activities required for preparing and conducting the testing
* Outline the deliverables, schedule, testing procedures and reporting methods for this project
* Any risks, assumptions, issues and dependencies that were identified during the creation of this document

## Project Background

<Mention details about the project>

# **Test Objectives**

* To ensure that business and functional requirements are met for Buggy Cars Rating website
* To ensure that all in scope items are tested successfully and working as expected

It is intended that the above is demonstrated through:

* Execution of agreed tests to exercise desired functional and non-functional capabilities of the website
* Provision of evidence related to those tests by all parties engaged in testing

# **Scope**

## In Scope

Below are the items identified to be tested as part of Buggy Cars Rating website:

|  |  |
| --- | --- |
| **Component** | **Functions/Process to check** |
| Registration | * Successful registration * Mandatory fields, valid character usage, character limits * Test forms are working as expected * Other error handling |
| Login/Logout | * Successful login using valid credentials (Username & Password) * Unsuccessful login   + Invalid credentials   + Missing Username and/or Password * Successful logout |
| Profile Update | * Test forms are working as expected * Successful profile update * User is able to save and view the updates made |
| Voting | * User can vote and add comment * User’s vote and comment are saved successfully and reflected in the website |
| Site User Interface | * Site navigation * Links are working as expected and ensuring that there are no broken links * Pagination * Format and spellings of text * Correct Images are displayed * Menus, buttons or links should be easily visible and consistent on all web pages |

## Out of Scope

* Performance Testing
* Disaster Recovery (DR) Testing
* Any other requirements, components or features not expressly on Section 3.1
* <List other test levels not included as part of this testing>

# **Test Approach**

## Test Levels

<This section should detail what will be the test levels to be performed for testing the Buggy Cars Rating website, example below>

The following test levels will be done as part of testing the Buggy Cars Rating website:

|  |  |
| --- | --- |
| **Test Level** | **Purpose** |
| System Testing | The purpose of this test level is to prove that the individual modules of an application that have been built and tested independently now work together as a system to satisfy requirements. |
| Compatibility Testing | This test level ensures that Buggy Cars Rating website displays correctly across different browsers and devices. |
| Regression Testing | This test level provides confidence and assurance that the solution is ready for the next phase and that there is no degradation to quality (e.g., regressive issues introduced in the defect fix releases). |

## Testing Tools

<This section should detail what will be the test tools to be use in order to perform the testing activities as part of this project, example below>

The following tools will be use by Testing Team:

* JIRA/ADO for Test and Defect Management
* Sharepoint site for Document Management
* Web browsers (eg., Chrome, Edge etc.)

## Testing Schedule

< This section should detail the testing timeline (Start and End Dates) where each test level is expected to be done>

## Test Deliverables

<This section should detail what will be the test deliverables to be created, submitted as part of this project, example below>

* Test Approach (this document)
* Test Cases – this deliverable contains the test scenarios that will be executed as part of the in-scope items. We might be re-using existing test cases (Manual and Automation) for the purpose of the Regression Testing
* Test Scripts – the detailed steps of the test cases created
* Test Status Report – this will be issued on a weekly basis or daily as needed (especially during the test execution cycles), this may contain testing highlights/summary, testing progress, defect report, risks and issues
* Test Exit Report – this report summarises al testing activities that has been done

## Test Environment

< This section should detail the test environment that will be used as part of testing the Buggy Car Rating website. This can include URLs, database, test data and other config needed.>

# **Entry and Exit Criteria**

## Test Entry Criteria

* Prior test level(s) completed with evidence stored
* No P1/P2 or S1/S2 defects from prior test levels
* Any P3/P4 or S3/S4 defects communicated with known resolution or deferral plan
* Test environment ready (including applications, tools and data)
* Test Resources ready
* Test Approach complete (including project review and needed sign-off)
* Test Design complete
* Agreement to proceed in a meeting with project team

## Test Exit Criteria

* No open P1/P2 or S1/S2 defects
* All P3/P4 or S3/S4 defects are accepted and have an approved resolution or deferral plan
* All P1/P2 tests executed with a status of “Pass”
* All testware for the test level has been stored, together with procedures for rerun
* Test Summary report approved by Project Manager and key Project Stakeholders
* A meeting of key project stakeholders has taken place and approval given to exit the test level

# **Defect Management**

< This section discusses what will be the Defect Management approach to be done for testing the Buggy Cars Rating website. This can include the defect severity, defect priority, defect triage meetings etc.>

# **Risk, Assumptions, Issues and Dependencies (RAIDs)**

< This section will show the identified RAIDs for the testing as of writing the Test Approach document, sample below>

## Risks

|  |  |  |
| --- | --- | --- |
| **Risk Description** | **Mitigation** | **Responsibility** |
| **Defects**  If a high number of defects are discovered it could impact quality and timeframes, or block testing from completion | * Ensure robust defect management and triage processes in place to manage defects effectively and efficiently * Release bug fixes as often as practical | Project Manager  Development Manager  Test Manager |

## Assumptions

* All requirements will be clear and unambiguous
* There will be a high-level of collaboration between project team, test team, business team, including the sharing of information to support testing and reuse of test collateral
* Test environment will be strictly controlled, any issues with the test environment will be fixed with urgency

## Issues

None identified as of this writing

## Dependencies

Testing is dependent on these factors being in place. The following dependencies have been identified:

* Environments are ready and stable, sanity testing completed and confirmed
* Test tools and access to environments are provided to test execution commencement

# **Appendices**

< This section may include Glossary, Diagrams and other details not specifically mentioned on other sections of the test approach document.>