1. **Introduction**

This document defines the Buggy Cars Rating Test Approach including guidelines, process, scope, roles and responsibilities, test management tools and other testing related components by looking at software quality assurance in two dimensions, outline below:

* Fit for purpose – that the application meets the business needs and delivers value.
* Quality – to ensure that the software is free of significant defects and operates satisfactorily in production.

1. **Test Scope**
   1. In Scope
      * For each sprint, the completion of a set of prioritised User Stories/Features that form the basis of development Unit Testing and System Testing of the new system,
      * System Integration Test (SIT) feature testing,
      * Test Exit report upon completion of SIT, Performance and UAT
   2. Out-Of-Scope
2. **Test Approach**
   1. System Test - The purpose of the System Testing phase is to validate the project requirements have been developed correctly. This may include both functional and non-functional requirements (where applicable).

System testing will cover both valid and invalid scenarios and typically uses black box testing techniques such as boundary value analysis and equivalence partitioning etc using functional manual testing method.

* 1. SIT - The purpose of the System Integration Test phase is to validate that the system/component functions within the platform as expected when integrated to all other system/component of the system.
     1. Regression Testing - This activity will also include regression testing by using Selenium Automation test tool or Tricentis
  2. Performance Test
  3. User Acceptance Test

1. **Test Tools**
   1. Test Tools / Framework
      1. Zephyr in JIRA or Testrail
      2. Eclipse Jee Oxygen
      3. Tricentis Tosca
2. **Test Entry and Exit Criteria**
3. **Defect Management**
   1. Tool and Process
      1. JIRA and Confluence
   2. Defect Classification
      1. Priority
   3. Defect Triage
      1. Meeting Purpose
      2. Defect Triage Process

SYSTEM TESTING SCOPE:

* Create New Users
* Navigate to different pages
* Vote a car model
* With or without comments
* Increment of votes
* Update Basic, Additional Info and Password

Regression Automation Scope using Selenium Automation Test Tool (Eclipse) or Tricentis Tosca.

* Create New Users
* Navigate to different pages
* Vote a car model
* With or without comments
* Increment of votes