Test Plan Document

(Identify New bikes)

(https://www.zigwheels.com/)

1.Philomina Nancy Arokiaraj Stephen – 890201

2. Poornima Manoharan – 890115

3. Shalini Ravi – 890200

4. Shanmugapriya Palanisamy - 891373

Table of Contents:

1.0 INTRODUCTION

The Test Plan has been created to facilitate communication within the team members. This document describe approaches and methodologies that will apply to the unit, integration and system testing **"https:www.zigwheels.com/"**. It includes the objectives, test responsibilities, entry and exit criteria, scope, schedule major milestones, entry and exit criteria and approach. This document has clearly identified what the test deliverables will be, and what is deemed in and out of scope.

1.1 SCOPE

The document mainly targets and validates data in report output as per Requirements Specifications as provided.

* Functions to be tested.

1. Login with Google in the Zigwheels website

2. Popular Used Car Models in Chennai

3. Upcoming Honda Bikes in 2021

 * Functions not to be tested.

 1. Not other than mentioned in the above section.

1.1.1 In Scope

All the feature of zigwheels.com which were defined in Functional requirement specification are need to be tested

1.1.2 Out Scope

Out of Scope defines the features, functional or non-functional requirements of the software that **will NOT be** tested

1.2 QUALITY AND OBJECTIVE

1.2.1 Primary Objectives

 A primary objective of testing is to: assure that all requirements are met and metrics for each requirement and satisfies the scenarios and maintain the quality. At the end of the testing cycle, the user should find that the project has met all of their expectations as detailed in the requirements.

1.2.2 Secondary Objectives

The secondary objectives of testing will be to: identify and expose all issues and associated risks, communicate all known issues to the team, and ensure that all issues are addressed in an appropriate manner.

Some objectives of your testing application could be

- Ensure the Application Under Test conforms to functional and non-functional requirements
- Ensure the AUT meets the quality specifications as defined.

2.0 TEST APPROACH

The approach, that used, is Analytical therefore, in accordance to requirements-based strategy, where an analysis of the requirements specification forms the basis for planning, estimating and designing tests. Test cases will be created. All test types are determined in Test Strategy. As the project involves integration with multiple development teams, and complex environment and agile methodology will be used for over all implementation of the project.

2.1 Test Automation

Automated unit tests are part of the process, and all the test cases must be also automated during the process.

2.2 Test Levels

Test Levels define the Types of Testing to be executed on the Application Under Test (AUT). The Testing Levels primarily depends on the scope.

2.3 Bug Triage

The goal of the triage is to

- To define the type of resolution for each bug
- To prioritize bugs and determine a schedule for all "To Be Fixed Bugs'.

2.4 Test Completeness

- 100% test coverage
- All Manual & Automated Test cases executed.

3.0 ENTRY AND EXIT CRITERIA

3.1 Entry Criteria

* All test hardware platforms must have been successfully installed, configured, and functioning properly.

* All the necessary documentation, design, and requirements information should be available that will allow to operate the system and judge the correct behaviour.

* All the standard software tools including the testing tools must have been successfully installed and functioning properly.

* Proper test data is available.

* Reviewed test scenarios, test cases and RTM

3.2 Exit Criteria

 * A certain level of requirements coverage has been achieved.

4.0 TEST DELIVERABLES

Testing will provide specific deliverables during the project. These deliverables are provided as below

1.Test Plan Document

2.Test Cases Document

3.Functional Requirement Specification

During the testing

- Test Data

After the testing cycles is over

- Test Results/reports

5.0 RESOURCE & ENVIRONMENT NEEDS

5.1 Testing Tools

- Automation Tools

Required to test the application.

5.2 Test Environment

It mentions the minimum requirements that will be used to test the Application.

Environment Setup for Automation:
- Operating System: Windows
- IDE (Integrated Development Environment): Eclipse IDE for Java
- Programming Language: Java
- Automation Tool: Selenium
- Build Management Tool: Maven
- Testing Framework: TestNG
- Hybrid Framework: DataDriven & KeywordDriven

6.0 Term/Acronyms

Term/Acronym	Definition
AUT	Application Under Test