HACKATHON PROJECT

IDENTIFY NEW BIKES

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**TEST STRATEGY**

**Identifying New Upcoming Bikes,Used Cars & Login**

ZigWheels

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**1. Introduction**

**1.1 Purpose**

The Test Strategy document is used to define types of testing, levels of testing and to record the approach that will be used for the various types of testing of the system. This document outlines the approach to be used to ensure that the critical functionalities, both new and existing, of the system are tested at the appropriate level.

The Test Strategy document will also define the scope of testing to enable the development of test conditions, test cases, automation and estimates.

The Test Strategy document serves as a communication vehicle to identify any testing issues as early as possible in the project lifecycle.

**1.2 Target Audience**

Business Unit(BU) SME

Academy Coach

Technical Trainer

**2. System Description**

**ZigWheels.com** is an automotive and motorcycling website based in India. ZigWheels provides automotive industry news, reviews and advice to consumers.It is used for searching new bikes,new cars and used cars.It is also used for selling cars.

**3. Test Deliverables**

|  |  |
| --- | --- |
| **Project Phase** | **Deliverables** |
| Test Planning | **·** Test Strategy Document |
| Test Analysis & Design | **·** Test Conditions  **·** Test Cases  **·** Test Data  **·** Test Environment  **·** Automated Test Scripts |
| Test Execution | **·** Test Logs |
| Test Completion | **·** Test Summary Report |

**4. Test Types**

The following are the types of Testing used in the Web Development courses

1. Functional Testing
2. Regression Testing
3. Automation Testing

**5. Multibrowser Testing**

Based on the requirements for the application the testing is done on two browsers to ensure the working of the application in multiple browsers. The two browsers used for testing are Chrome and Firefox

**6. Test Data**

Test data for the application is provided from excel file. The test data are stored in the excel file and provided during run time. Data driven library creation is done using Apache POI and property file is used to keep the URL, Browser, Username and Password.

**7. Resources Required**

**7.1 Hardware**

* PC
* Laptop

**7.2 Software**

* Windows 7 and above
* Chrome 60 and above
* Firefox 60 and above
* MS Excel
* Selenium Web drivers
* Apache POI
* TestNG
* Maven
* Jenkins
* Selenium Grid