Test Plan

# Introduction:

Ferrari F1 has contracted with Mindtree LTD., India to design, development and testing the reports of their clients. This document will address the different standards that will apply to the unit, integration and

System testing of the specified application. The design, development and testing of these reports will be based on clients “Ferrari F1 Club” project. Throughout the testing process we will be applying the test documentation specifications described in the IEEE Standard 829-1983 for Software Test Documentation.

# Objective:

Objective of Test plan is to define the various Testing strategies and testing tools used for complete Testing life cycle of this project.

The objective of the test is to verify that the functionality of “Ferrari F1 club” works according to the specification.

The test will execute and verify the test script, identify, fix and retest all high and medium severity and priority defect.

The final product of the test is:

* A production ready software.
* A set of stable test scripts that can be reused for functional and UAT test execution.

# Scope:

The document mainly targets the GUI testing and validating data in report output as per Requirements Specifications provided by Client.

## In-Scope: The features which are very essential for the project are to be tested and comes in In-Scope.

## Features to be tested –

* Log-in / Sign-up
* News / Update
* Gallery
* Statics
* Online Shopping

## Out-Scope: The Features which are important for the features but we cannot needed to be tested in this build are comes Out-Scope.

## Features not to be tested –

* Content of Gallery
* Help
* About

# Testing Strategy:

The Test Engineer will use the Test Strategy (ref Testing Strategy Document#1) to perform all the required task.

# Environment Requirements:

This section will describe the hardware and software necessary for the test environment in order to begin testing for this project.

**Hardware.**

* Processor : Dual-core, i5
* RAM :
* ROM / HDD:

**Software**

* Browsers :
  + Chrome
  + Firefox
  + Internet Explorer
* Operating System:
  + Windows

# Resources/Roles & Responsibilities:

Resources:

1. Ayushi Kansal
2. Arpan Mittal
3. Haripriya Vinjam
4. Bhagwat Prajapati

A). Roles & Responsibilities of Test Manager:

* Write and review Test Plan.
* Conducting monthly status meeting.
* Meeting with development team.
* Meeting with Customer.

B). Roles & Responsibilities of Test Lead:

* Write and Review test Plan.
* Conducting daily status meeting.
* Assign modules to test engineer.
* Provide Templates.
* Handle Scheduling.

C). Roles & Responsibilities of Test Engineer:

* Reading, Understanding and reviewing the requirement.
* Writing Test Scenarios, Test Cases and RTM.
* Executing test cases.

# Risks/Assumptions:

* Delays in delivering completed Test Items from Development would impact test timescales and final Release quality.
* Delays in the turnaround time for fixing critical bugs, which would require re-testing, could have an impact on the project dates.
* The Test Team, Development or PM teams require domain guidance from one or the other and they are not available. This would delay project activities.
* Unexpected dependencies between Test Items and service components are encountered that require revision of Test Scenarios and related Test Cases.

# Mitigation:

* Product Management and Development to advise of any delays and adjust Release Scope of Resources to allow the test activities to be performed.
* Strong management of bug resolution would be required from Development to ensure bugs are fixed and available for re-testing in the scheduled time.
* The Test Team, Development and PM teams to ensure they are available at critical points or contactable during the project activity.

# Tools:

* Selenium WebDriver.
* SoapUI.
* TestNG.
* Jira.
* JMeter.

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