**Test Strategy**

**Industry Management System**

Draft ver 2.1

<22-02-2021 >

**Document Control:**

**Document Details:**

|  |  |
| --- | --- |
| Title | Industry Management System |
| Version | Ver 2.1 |
| Date | 22-02-2021 |
| File Name | Test Strategy |
| File Location | Pune |
| Author | Umesh |
| Contributor | Sopan |

**Change Control:**

|  |  |  |  |
| --- | --- | --- | --- |
| Issue Date | Version | Details | Author |
| 26-02-2021 | Ver 2.1 | Working Draft, Reviewed by, Sopan | Umesh |
|  |  |  |  |

**Document Reference:**

|  |  |
| --- | --- |
| Document Name | File Location |
| HRM | <https://github.com/UMESH-KHARAT/HRM_Documentation-.git> |
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# 1. Scope and overview:

# Human Resource Management (HRM) is of key and strategic importance to the project-oriented organization. Every time a new project or program is started, the human resource (HR) configuration of the organization changes. Within this dynamic environment, different and additional practices are required from the traditionally managed organization. However, in spite of this, the needs of HRM in the project-oriented organization have not received great attention in either the HRM or project management literature. We are undertaking a research project with the aim of identifying the needs for HRM in the project-oriented organization and describing the practices adopted. We have formulated an initial set of hypotheses and conducted a pilot study to test them.

# 2.Test Approach:

# In this section, we usually define the following

# Test levels

# Test types

# Roles and responsibilities

# Environment requirements

# 3. Test Levels:

# Levels of testing such as unit testing, integration testing, system testing and user acceptance testing.

# 4. Test Types:

# This section lists out the testing types that will be performed during QA Testing like fuctional and non-functioanal and also used design technique.

# 

# 5. Roles and Responsibilities

|  |  |
| --- | --- |
| **Role** | **Responsibilities** |
| Project Manger | Sachin Medhe |
| Project Lead | Sopan Bhutekar |
| QA | Umesh Kharat |

# 6. Environment requirements:

Hardware :

System configurations:

1. Processor: i3
2. RAM: 4GB
3. Harddisk:500GB

Software :

1. Web Server: Tom Cat
2. Application Server: Web Sphere
3. Database server: MySql Server
4. Operating System: Windows XP,7,8 Linux, Mac
5. Browsers: I7, Mozilla 3.5.13

# 7. Testing tools:

# List of all the testing tools

# Project Management: JIRA, ALM

# Test Management: Zephyr, Testlink/TestRail

# Bug Management: Mantis

# 8. Industry standards to follow:

This section describes the industry standard to produce high quality system that meets or exceeds customer expectations.

# 9. Test deliverables:

# List of all the test deliverables

1. Test Plan:
2. Test Case
3. Traceability Matrix
4. STCM
5. Graphs and matrices
6. Release Note : Is always signed off by the Test Manager
7. Number of defects found and fixed
8. Platforms on which you tested the application
9. What new features was added in this release:

* Installation guide
* User Manual/Demo CD
* Version Number of the build

# 10. Testing metrics:

# This **Software Testing Metrics** are the quantitative measures used to estimate the progress, quality, productivity and health of the software testing process. The goal of software testing metrics is to improve the efficiency and effectiveness in the software testing process and to help make better decisions for further testing process by providing reliable data about the testing process.

# 11. Requirement Traceability Matrix:

# Requirement traceability matrix is used to trace the requirements to the tests that are needed to verify whether the requirements are fulfilled.

# 12. Risk and mitigation

Some of the risk identified in the project is as follows:

Staff is on Vacation or has left the organization

* Lack of application knowledge.
* Application unavailability highly impacts the test schedule
* Development risks highly impacts the testing schedule.
* Problem caused by hardware or system software such as:

1. System crash
2. Configuration

# Mitigation Plan/Back Up plan/Contingency Plan

* Trainees would be appointed as back up staff
* Regular trainings on the domain and application will be organized.

# 13.Reporting tool:

# JIRA will be the reporting tool for this project.

# 14Test summary:

test summary report from a previous job of your own can also serve as a template to help you write a proposal-winning example document. Examples are often asked for in freelancing jobs, so being able to demonstrate your overall presentation skills by having a procedure document showing how you would actually write a test summary report, can be very useful. Summary reports also give input on testing coverage, which can be a weighty factor when interacting with potential new clients.

# 15. Approvals:

The following people are required to approve the Test Strategy

|  |  |
| --- | --- |
| **Approved By Role** | **Approved By Name** |
| Project Manger | Sachin Medhe |
| Project Lead | Sopan Bhutekar |
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