Web Disclosure Site

Test Plan

Version 0.1

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SNo. | Version Number | Authored/Written By | Reviewed By | Signed Off/Agreed By |
| 1 | 0.1 | Tester/Test Lead name | Test Lead/Test Manager | Project Manager |
| 2 |  |  |  |  |
| 3 |  |  |  |  |

**1.0 INTRODUCTION**

The Web Disclosure page public site has been designed and developed for the clients where they can make their votes public. This product would encompass and enable display of all required details where they could easily view and analyse their votes for multiple days. The dashboard will serve as a good tool for reporting for higher level management and will ease the decision making process thereby saving time, budget and resources.

**2.0 OBJECTIVES AND TASKS**

**2.1 Objectives**

The product being tested is the Web Disclosure page public site where the clients can make their votes public. The acceptance criteria has been set to begin test planning for the client facing website.

**2.2 Tasks**

This document will serve as an agreement between multiple stakeholders of the product.

This test plan document will detail all the following:

1. Required testing resources
2. Test phases/cycles, releases
3. Testing timelines
4. Test Scope
5. Test environment
6. Test tools
7. RAID (Risks, Assumptions, Issues and Dependencies)
8. Test Reporting
9. Entry and exit criteria for each phase
10. Mitigation and contingency plan
11. Training required
12. Types of testers,
13. Suspension and Resumption criteria.
14. Hardware Requirements
15. Roles and Responsibilities
16. Approvals/Sign Off

**3.0 SCOPE**

**In Scope Items:**

* The exiting interfaces of the product in addition to the new ones with be tested. Also integration of these functionalities will be tested.
* Functional, Automation and User Acceptance Testing will be performed.
* The component to be tested is ‘Web Disclosure’ site and its navigation/display of the required details. Functional testing will be performed on the site.
* The developers and other stakeholders will be notified to get a ‘Go’ or ‘No Go’ to start the integration testing and system testing.
* The effort needed by the developers is estimated to be 3 hours to support the integration testing (1 hours) and system testing (2 hours). The developer will be notified well ahead for the required required time and effort.

**Out Of Scope Items:**

* Non-functional testing such as **stress**, **performance** or **logical database** currently will not be tested.
* **Database testing, hardware & any other external third party interfaces** will not be tested

**4.0 TESTING STRATEGY**

This section will list all the testing types that will be implemented.

The following testing types have been identified for testing:

1. Unit Testing
2. Interface testing
3. Integration testing of interfaces
4. System testing (Functional Testing)
5. Automation testing for Regression test cases
6. User Acceptance Testing

**4.1** **Unit Testing**

* The code will be reviewed in addition to the functional unit tests.
* White box testing and Black box testing are in scope for unit testing.
* The developer and tester will be responsible for unit testing. The number of statements executed at least once will be determined for white box testing in addition to number of statements in the code.
* The code will be reviewed before starting black box testing
* The unit test cases will be determined and reviewed/signed off before starting the unit testing.

**4.2 Interface Testing**

* Interface testing will be performed for all the interfaces in scope.
* The testers will be responsible for interface testing.
* Unit testing should be completed and signed off before starting interface testing.
* The interface test cases will be determined and reviewed/signed off by the stakeholders before starting interface testing.

**4.3 Integration Testing**

* The integration testing will be performed for all the interfaces.
* The testers will be responsible for integration testing.
* Interface testing should be completed and signed off before starting integration testing
* The integration test cases will be determined and reviewed/signed off before starting the integration testing.

**4.4 System Testing**

* Black box/functional testing will be performed after completion of integration testing.
* The testers will be responsible for system testing.
* Smoke Testing will be performed before starting system testing.
* The system/functional test cases will be determined and reviewed/signed off before starting the functional testing.

**4.5 Automation Testing**

* Automation will be performed for Regression test cases.
* Regression will be developed and automated by testers.
* Automation testing will be done for every release.

**4.6 User Acceptance Testing**

* The end users will be notified and given a code that has been signed off as functioning and defect free by the required stakeholders.
* The end users and system testers will collaborate and write the User Acceptance Testing.
* The User Acceptance test cases will be signed off by the end users.
* Once the User Acceptance Testing had been signed off by end users, the code is set to be ready for production release.

**5.0 HARDWARE REQUIREMENTS**

|  |  |
| --- | --- |
| Operating System | Windows |
| No. of Systems | 5 |
|  |  |

**6.0 TEST ENVIRONMENT**

* Unit testing done in Development environment.
* System testing environment is required for integration and system testing.

**7.0 TEST SCHEDULE**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Testing Type | Test Phases/Releases/Cycles | Estimated Start Date | Estimated End Date | Estimated Effort in Hours | No. Of Testers |
| Unit Testing | 1 | 8/2/2021 | 10/2/2021 | 20 | 1 developer and 1 tester |
| Interface Testing | 1 | 15/2/2021 | 18/2/2021 | 36 | 1 tester |
| Integration Testing | 1 | 23/2/2021 | 27/2/2021 | 40 | 1 tester |
| System Testing | 5 | 1/3/2021 | 5/3/2021 | 160 | 4 testers |
| Automation(Regression) Testing | 5 | 8/3/2021 | 8/3/2021 | 2 | None |
| User Acceptance Testing | 1 | 10/3/2021 | 10/3/2021 | 16 | 2 End Users |

**8.0 Test Reporting**

The following test reports will be produced in the required test phases:

|  |  |
| --- | --- |
| **Test Phases** | **Test Reports** |
| Unit testing | Unit testing Status Report |
| Interface Testing | Daily Status Report including Defect report |
| Integration Testing | Daily Status Report including Defect report |
| System Testing | Daily Status and Weekly status reports encompassing defect report |
| Automation Testing for Regression | Automation status report encompassing defect report |
| User Acceptance Testing | User Acceptance Testing status report |

**9.0 Suspension and Resumption criteria**

* If 305 of the test cases fail in system testing, then the testing will be suspended.
* The high priority defects will be fixed and retested. Once all the defects are closed, the system testing will resume.

**10.0 Entry and Exit Criteria for Testing Phases**

|  |  |  |
| --- | --- | --- |
| **Test Phase** | **Entry Criteria** | **Exit Criteria** |
| Unit Testing | Code completed, reviewed and signed off | Unit Test cases passed |
| Interface Testing | Unit Testing completed | Interface test cases have passed |
| Integration Testing | Interface testing completed | Integration test cases have been passed |
| System Testing | Integration Testing completed | System test cases have passed and all defects have been closed |
| Automation Testing | System Testing completed | Regression test cases have passed |
| User Acceptance Testing | Regression Testing completed | User Acceptance test cases have passed |

**11.0 RISKS/ASSUMPTIONS**

1. **Risks:** Test environment is expected to be stable and no downtimes expected.
2. **Issues:** No major issues remain open at end of testing
3. **Assumptions:** The code delivered will be stable for testing and test environment and required test tools have been setup. No downtimes expected.
4. **Dependencies:** Testing is dependent on the timely delivery of code and the test environment and tools setup.

**12.0 TESTING TOOLS**

The following tools are required for testing:

* Test Management tool JIRA
* Selenium Webdriver for Automation (opensource)

**13.0 APPROVALS**

1. The Business Analysts
2. Product Owners
3. Project Manager
4. Test Manager

Name should be in Capital Letters

|  |  |  |  |
| --- | --- | --- | --- |
| **SNo** | **Stakeholder Name** | **Stakeholder Signature** | **Stakeholder Signature Date** |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |
| 4 |  |  |  |