

Test Plan on sust.edu

1. Test Plan Identifier:

Sust.edu Website

2. References:

- Functional Requirement Specification (FRS)
- Test Scenarios Or,
None Identified

3. Introduction:

This is the Test Plan for the Sust Website Home Page. This plan will address only those items and elements that are related to the Sust Homepage process, both directly and indirectly affected elements will be addressed. The primary focus of this plan is to ensure that the Sust website provides the same level of information and detail as the current system while allowing for improvements and increases in data acquisition and the level of details available. The project will have three levels of testing, Integration, System, and Acceptance. The details for each level are addressed in the approach section and will be further defined in the level specific plans.

4. Features to be tested:

All Items of Home Page

5. Features not to be tested:

Other than the above

6. Approach

Testing Level: The testing for the SUST website will consist of Unit, Integration, System, and Acceptance test levels. It is hoped that there will be at least one full-time independent test person for integration & system testing. However, with the budget constraints and time line established; most testing will be done by the test manager with the development team's participation.

UNIT Testing will be done by the developer and will be approved by the development team leader. Proof of unit testing must be provided by the programmer to the team leader before unit testing will be accepted and passed on to the test person. All unit test information will also be provided to the test person.

SYSTEM/INTEGRATION Testing will be performed by the test manager and development team leader with assistance from the individual developers as required. No specific test tools are

available for this project. Programs will enter into the System/Integration test after all critical defects have been corrected.

ACCEPTANCE Testing will be performed by the actual end-users with the assistance of the test manager and development team leader.

Test Overview:

- Integration Testing
- System Testing
- Acceptance Testing
- Regression Testing

Test Tool:

- Google Spreadsheet/Microsoft Excel will be used to write test cases
- Google Spreadsheets/ JIRA-Test Management Tool will be used to manage bug reporting.

Meetings: The test team will meet once every two weeks to evaluate progress to date and to identify error trends and problems as early as possible.

7. Item Pass/Fail criteria:

If the website is accepted by the tester and the users, if they are satisfied with the performance then the website will pass, otherwise, it will fail and have to check the software again.

8. Test Deliverables:

- Acceptance test plan.
- System test plan.
- Integration test plan.
- Test Cases.
- Defect/Incident reports and summaries.
- Test logs and turnover report.

9. Remaining Test Tasks:

Task	Assigned To	Status
Create Acceptance Test Plan	TM, PM, Client	N/A
Create System Test Plan	TM, PM, QA	N/A
Create Integration Test Plan	TM, PM, Client	N/A
Create Test Cases	TM, PM, Qa	N/A
Defect Report	TM, PM, Qa	N/A

10. Environment Coverage:

Browser compatibility(Cross-Browser testing): we cover different types of browsers for verified browser compatibility, including the following:

- Chrome.
- Firefox.

11. Automation Strategy:

We will be not using any automation in this testing

12. Testing Schedules:

Iteration Or Build No	Start Date	End Date
Iteration#1 (Build #1)	4 March 2022	11 March 2022
Iteration#2 (Build #2)		
Iteration#3 (Build #3)		

13. Testing Strategy:

- Existing functionalities will be validated as part of regression tests.
- New functionalities will be validated as part of progression tests.
- Fixed defects will be validated.

14. Responsibilities:

Task Name	TM	PM	DEV	TEST TEAM	CLIENT
Acceptance test Documentation & Execution					
System/Integration test Documentation & Execution					
System Design Reviews					
Detail Design Reviews					
Test procedures and rules					

- The development team leader will be responsible for the verification and acceptance of all unit test plans and documentation.
- The project manager/test manager is responsible for all test plans and documentation.
- The entire project team will participate in the review of the system and detail designs as well as a review of any change requests that are generated by the user or as a result of defects discovered during development and testing.

15. Risks and Mitigation:

Sl. No	Risk	Mitigation
1.	Resources are on vacation	Maintain backup resource
2.	Hardware failure during testing	Make ready It team, also maintain backup h/w resources.

16. Entry Criteria:

- Requirement Specification Document.
- Test Plan.
- Test cases.
- Unit Tests cases should pass.

17. Exit Criteria:

- Zero Installer defects & Completion of Planned Test Cases Execution.