
INFRASTRUCTURE MANAGEMENT SYSTEM

TEST REPORT

Version <1.0>
<mm/dd/yyyy>

VERSION HISTORY

The development of the test document was done in an hierarchical manner in which first of all we did the module testing. As our test instance did not have any classes what we did was we the testing of files and we moved on to the system testing where we compared the functionalities given in the SRS to the functionalities that are implemented. After this performance test and user acceptance test was carried out by two of our team members.

Version #	Implemented By	Revision Date
1.0	10	<04/05/16>

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1.0 INTRODUCTION

1.1 PURPOSE

This *Infrastructure Management system* Test Report provides a summary of the results of test performed as outlined within this document.

2.0 TEST PLAN

For the case system testing we compared the functionalities that were mentioned in the SRS to those that were implemented. Basically hierarchical model was followed and data was chosen such that all the cases i.e all pass and fail cases would be covered in the testing . We found out that the software would do the task upto a certain extent but scalability was an issue of concern. The performance testing of the system was done on the basis of scalability and memory usage and user assessment testing was done on the basis of UI design and functionality requirements of the user.

3.0 TEST ASSESSMENT

The test was really adequate for assessing the whole software as a system but coming to the individual module level the test could not be done as planned because of the lack of classes in the software and flow of data between the classes which was expected .

4.0 TEST RESULTS

[Summarize the test results. Include a detailed description of any deviations from the original test plan, design, test case, or expected results. Include any issues or bugs discovered during the test.]

The test results can be summarized as follows :

For the system testing considering the case of login ,

- 1). The system could do the verification of the user and admin properly but it contains only one admin whose information is embedded in the file itself rather than storing in a database.
- 2)The user once logged into the system has no option for logout and also in a particular browser only one user can login at a time unless the browser is shut down making the used session variable a liability.
- 3)If there is an error in the user name or password then the page is not redirected to the same login page instead the user himself/herself must navigate to that page again .
- 4) After the user is logged in without the selection of the check box for a particular problem the submit button works fine.
- 5)In case of the admin portal the date value shown to the admin is always null but that is to be actually shown is the date when the problem was reported.
- 6) There is no update option available for the admin through which he can update the assets in the infrastructure and also for increasing the number of the workers but this functionality is begin written in the SRS.

- 7) With respect to the user acceptance test the problems found are that the user interface designed is not user friendly and the buttons that are in the software get activated only when the text in the button is pressed.
- 8) The user does not get any option for logout from the portal.
- 9) With the performance testing we came to know that the software is not scalable and there is more memory usage than required in the software.

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UNIT/MODULE/SYSTEM TESTING

Unit, module, and system integration testing activities were performed during the development of the system build or release.

4.2 SYSTEM TESTING

The table below summarizes the results of system testing:

Test Case ID	Date Tested	Tester	Pass/Fail	Severity of Defect [Low/Medium/High]	Summary of Defect	Closed prior to Production Release?	Comments
1	02/04/16	Nithin	Fail	Medium	No separate login for the admin	<Yes> or <No>	As the number of admin can increase , there must be a separate first login page for the admin rather than embedding the admin info in the code.
2	02/04/16	Nithin	Fail	Medium	Invalid username or password does not lead to the same page again		SRS has an functionality saying that enter again option must come in case of invalid credentials but that does not happen.
3	02/04/16	Nithin	Fail	Medium	In submitting functionality, there is no option for other problems that can be filled.		There must be a form that must be able to take any kind of other infrastructural problems and put it into a database table.
4	02/04/16	Nithin	Fail	Medium	The problem gets submitted without selection itself		Even if the check box is not filled submission is possible which is not as per the SRS and also checkbox

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							is not required for one option problems.
5	02/04/16	Nithin	Fail	High	Date entry shown to the admin is always null.		
6	02/04/16	Nithin	Fail		No information with admin of worker assignment.		
7	02/04/16	Nithin	Fail	Medium	Update option for assets of institute update unavailable.		SRS contains a functionality for updating the assets if they are added but that is not implemented.
8	02/04/16	Vivek	Fail	Medium	Availability of workers at any time is not defined or available to the admin for allocation to any work.		
9	02/04/16	Kaushtu bh	Fail	Medium	No update option for workers database.		No new workers can be accommodated but the design says it can be done.
10	02/04/16	Nithin	Pass		Login happening for embedded users.		

4.3 USER ACCEPTANCE TESTING

The table below summarizes the test cases employed for user acceptance testing and the test results obtained for each test case:

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Test Case ID	Date Tested	Tester	Pass/Fail	Severity of Defect [Low/Medium/High]	Summary of Defect	Closed prior to Production Release?	Comments
						<Yes> or <No>	
1	02/04/16	Vivek	Fail	Medium	User interface is not designed properly and is not user attractive		Users do not get the other option available for giving any other kind of input.
2	02/04/16	Vivek	Fail	Medium	Button cannot be clicked at any place		The button in the website work only when clicked on the text inside the button , not the other places.
3	02/04/16	Vivek	Fail	Medium	No logout option available		Even though there is use of session variable that is of no use because there is not logout option available.
4	02/04/16	Vivek	Pass		User is able to report some of the problems.		User satisfied up-to some extent.

4.4 REGRESSION TESTING

The table below summarizes the test cases employed for regression testing and the test results obtained for each test case:

Test Case ID	Date Tested	Tester	Pass/Fail	Severity of Defect [Low/Medium/High]	Summary of Defect	Closed prior to Production Release? <i>[This column will be filled by the dev]</i>	Comments
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						team.]	
						<Yes> or <No>	

[If the test case failed, list the corresponding Test Incident ID in the Comments column.]

4.5 PERFORMANCE TESTING

The table below summarizes the test cases employed for performance testing and the test results obtained for each test case:

Test ID	Case	Date Tested	Tester	Pass/Fail	Severity of Defect [Low/Medium/High]	Summary of Defect	Closed prior to Production Release? [This will be filled by the dev team.]	Comments
1		02/04/16	Kaushtubh	Pass			<Yes> or <No>	Working under low pressure
2		02/04/16	Kaushtubh	Fail	Medium	Lack of scalability		New kind of workers and assets cannot be added by the admin if required.
3		02/04/16	Upendra	Fail	Medium	Extra memory usage in the database		In the database fields which do not require to be varchar are also made varchar.
4		02/04/16	Upendra	Fail	Medium	Same code repeated in many files.		Connection variable can be just passed be different files , but actually same code is repeated.

[If the test case failed, list the corresponding Test Incident ID in the Comments column.]

4.6 MODULE TESTING

The table below summarizes the test cases employed for <type of test (e.g., unit/module/ interface testing)> and the test results obtained for each test case:

Test Case ID	Date Tested	Tester	Pass/Fail	Severity of Defect [Low/ Medium / High]	Summary of Defect	Closed prior to Production Release? [This will be filled by the dev team.]	Comments
1	02/04/16	Upendra	Fail	Medium	No password hashing	<Yes> or <No>	Web administrator can get the passwords directly.
2	02/04/16	Vivek	Fail	Medium	Session variable are not destroyed		Because of this , in a browser only one person can login at a time and cannot logout also because of logout unavailability .

5.0 VARIANCES

The operational environment could lead to more stress on the system in terms of performance and memory requirements and hence the problems that would be of medium severity in test environment could be of high impact in operational environment.

6.0 TEST INSTANCES

[Provide a brief description of the unexpected results, problems, or defects that occurred during the testing.]

6.1 RESOLVED TEST INCIDENTS

[Identify all resolved test incidents and summarize their resolutions. Reference may be made to Test Incident Reports that describe in detail the unexpected results, problems, or defects reported during testing, along with their documented resolutions, which may be included as an appendix to this document.]

[This will be filled by the dev team.]

6.2 UNRESOLVED TEST INCIDENTS

[Identify all unresolved test incidents and provide a plan of action for their resolution. Reference may be made to Test Incident Reports that describe in detail the unexpected results, problems, or defects reported during testing, which may be included as an appendix to this document.]

[This will be filled by the dev team.]

7.0 RECOMMENDATIONS

[Describe what actions are suggested upon completion of this test. Provide any recommended improvements in the design, operation, or future testing of the business product that resulted from the testing being reported. A discussion of each recommendation and its impact on the business product may be provided. If there are no recommendations to report, then simply state as such.]

APPENDIX A: REFERENCES

[Insert the name, version number, description, and physical location of any documents referenced in this document. Add rows to the table as necessary.]

The following table summarizes the documents referenced in this document.

Document Name	Version	Description
<Document Name>	<Version Number>	<i>[Provide brief description of the document]</i>

APPENDIX B: KEY TERMS

[Insert terms and definitions used in this document. Add rows to the table as necessary.]

The following table provides definitions for terms relevant to this document.

Term	Definition
<i>[Insert Term]</i>	<i>[Provide definition of the term used in this document.]</i>
<i>[Insert Term]</i>	<i>[Provide definition of the term used in this document.]</i>
<i>[Insert Term]</i>	<i>[Provide definition of the term used in this document.]</i>