*INFRASTRUCTURE MANAGEMENT SYSTEM*

Test report

Version *<1.0>*

*<05/04/2016>*

VERSION HISTORY

[Provide information on how the development and distribution of the Test Report was controlled and tracked. Use the table below to provide the version number, the author implementing the version, the date of the version, the name of the person approving the version, the date that particular version was approved, and a brief description of the reason for creating the revised version.]

|  |  |  |
| --- | --- | --- |
| **Version #** | **Implemented**  **By** | **Revision**  **Date** |
| 1.0 | *<8>* | *<mm/dd/yy>* |
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|  |  |  |

***Note to the Author***

[This document is a template of a **Test Report** document for a project. The template includes instructions to the author, example text, and fields that should be replaced with the values specific to the project.

* Blue italicized text enclosed in square brackets ([text]) provides instructions to the document author, or describes the intent, assumptions and context for content included in this document.
* Blue italicized text enclosed in angle brackets (<text>) indicates a field that should be replaced with information specific to a particular project.
* Text and tables in black are provided as examples of wording and formats that may be used or modified as appropriate to a specific project. These are offered only as suggestions to assist in developing project documents; they are not mandatory formats.

When using this template for your project document, it is recommended that you follow these steps:

1. Replace all text enclosed in angle brackets (e.g., <Project Name>) with the correct field values. These angle brackets appear in both the body of the document and in headers and footers.
2. Modify example text as appropriate to the specific project.
3. To add any new sections to the document, ensure that the appropriate header and body text styles are maintained. Styles used for the Section Headings are Heading 1, Heading 2 and Heading 3. Style used for boilerplate text is Body Text.
4. To update the Table of Contents, right-click and select “Update field” and choose the option- “Update entire table”
5. Before submission of the first draft of this document, delete this “Notes to the Author” page and all instructions to the author, which appear throughout the document as blue italicized text enclosed in square brackets.]

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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

[The project was tested against provided SRS for implementation details of different use

cases. Several input outputs were checked to check control flow and data flow and

domain testing. The code implementation was verified using the mentioned activity and

sequence diagrams.]

# 3.0 Test Assessment

[All implemented and possible testing components and techniques were checked.]

# 4.0 Test Results

[The project was successfully tested. Test plan was strictly followed as mentioned above.

All missing and required use cases were reported. All malfunction or improper

implementation were reported. The needed changes and improvements were also

reported.]

## 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? *[This column will be filled by the dev team.]* | Comments |
| 1 | 29/3/2016 | Group-8 | Fail | High | Passwords are not case sensitive | <Yes> or <No> | Log in |
| 2 | 29/3/2016 | Group-8 | Pass | High | No defect |  | Register complaint |
| 3 | 29/3/2016 | Group-8 | Fail | High | Can cancel completed tasks as well, which should not have been there |  | Cancel complaint |
| 4 | 29/3/2016 | Group-8 | Fail | High | SRS says that admin can update the status, but not implemented |  | Check status |
| 5 | 30/3/2016 | Group-8 | Fail | High | Password and Confirm Password different is being accepted |  | Register account |
| 6 | 30/3/2016 | Group-8 | Fail | Medium | No mention of which account to update, as mentioned in the SRS. Moreover, accepts different values for Password and Confirm password |  | Update account |
| 7 | 31/3/2016 | Group-8 | Pass | Medium | No defect |  | Schedule task |
| 8 | 31/3/2016 | Group-8 | Fail | High | Accepts negative number of quantities |  | Check status (admin) |

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

## User Acceptance Testing

The table below summarizes the test cases employed for user acceptance 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 column will be filled by the dev team.]* | Comments |
| 1. | 31/3/2016 | Group-8 | Fail | Medium | Displays roll number of the logged in user | <Yes> or <No> | Name can be displayed |
| 2. | 31/3/2016 | Group-8 | Fail | Medium | Complaints table in Admin have Student ID column(either name or roll no) |  | Cancel Complain view |
| 3. | 31/3/2016 | Group-8 | Pass | Low | Gestalt in register account and update account |  | Register and update account can be placed in proximity |
| 4. | 1/4/2016 | Group-8 | Pass | Low | Color of successful updation of complaint is in red. |  | Some other color would have made it readable |
| 5. | 2/4/2016 | Group-8 | Fail | Medium | No use of Back button anywhere |  | Facilitating going back |
| 6. | 2/4/2016 | Group-8 | Fail | High | Same message shown for all kind of updates, whether the entry exists or not |  | Should tell whether entry exists or not |
| 7. | 2/4/2016 | Group-8 | Fail | Medium | Complaint Id not in order |  | Complaints should be sorted according to the Complaint Id |
| 8. | 3/4/2015 | Group-8 | Fail | Medium | No need for two buttons for the worker. Tables can be merged to form a single one for all purposes |  | Merging of the two tables and providing the option to update status in the same table |
| 9. | 3/4/2016 | Group-8 | Fail | High | No information given to the worker about from where has the complaint been launched |  | Can provide the room no. of the student who has filed the complaint |

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

## 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? *[This column will be filled by the dev team.]* | Comments |
|  |  |  |  |  |  | <Yes> or <No> |  |

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

## Performance Testing

The table below summarizes the test cases employed for performance 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. | 3/4/2016 | Group-8 | Fail | High | Security issues. No session variables created. Student can access the data of the admin and worker | <Yes> or <No> | Making sure that one doesn’t lands on the page of admin without logging in |
| 2. | 3/4/2016 | Group-8 | Pass | Medium | Responsive |  |  |
| 3. | 3/4/2016 | Group-8 | Fail | High | Lacks Scalability. Number of workers can be changed. |  | Have option to add workers as well |

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

## <Type of Test>

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. | 3/4/2016 | Group-8 | Fail | High | Doesn’t check while updation of record for existence of the record | <Yes> or <No> | Should check whether entry exists or not and notify accordingly |
| 2. | 3/4/2016 | Group-8 | Fail | High | Room no.s and quantity of order can be negative |  | Verification needs to be done |
| 3. | 3/4/2016 | Group-8 | Fail | High | Even after the completion of job, it still appears in the complaint list of the student. It is removed from the database only after the student cancels the complaint, even if it is completed |  | After the completion, should be automatically removed from the list. |
| 4. | 3/4/2016 | Group-8 | Fail | High | Can go back from the browser button after filing a complaint and click submit to again have the same entry in the database |  | Back should lead to the home page, or should provide an explicit back button |

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

# 5.0 Variances

The test cases were manually created as compared to the scripts and software being used in the industries but were sufficient enough to test all the boundary cases as well as major drawbacks in the system. The testing was planned, divided and executed in phases by all the team members involved. The system was checked for any malicious working by varying all the input parameters to check if it behaved undesirably.

# 6.0 Test Instances

## 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.]*

## 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

1. All students shall be registered before-hand so that admin doesn’t needs to register all the students manually.

2. Resolving the redundant entries of complaints.

3. Notification to the worker about the complaints.

4. Facility to add more workers by the admin.

5. Classification of workers on the basis of Electricity, Water related, furniture related is more meaningful than on the basis of service, repair, and other.

6. It is recommended that the messages are popped up in a message box instead of displaying them on the screen.

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** |
| SRS Document | VERSION 3.0 | The document was the  Software Requirement  Document for the software  of Infrastructure  Management System |

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** |
| *[Insert Term]* | *[Provide definition of the term used in this document.]* |
| *[Insert Term]* | *[Provide definition of the term used in this document.]* |
| *[Insert Term]* | *[Provide definition of the term used in this document.]* |