
GRADE MANAGEMENT SYSTEM

TEST REPORT

Version <1.0>

04/05/2016>

VERSION HISTORY

Version #	Implemented By	Revision Date
1.0	Group 12	<04/05/16>

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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.
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- 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.

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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 GRADE MANAGEMENT SYSTEM Test Report provides a summary of the results of test performed as outlined within this document.

2.0 TEST PLAN

The following sequence (in order) was followed while conducting the testing for the project

- Basic testing
- System Testing
- User Acceptance Testing
- Performance Testing

Basic Testing: The testing team started with a basic walkthrough of the project searching for any loose ends and broken links.

System was tested for the faults in User Interface, the Database and the functioning.

System testing: In this category, we devised a set of test cases and served them to the Software. Some passed and some failed and the results were carefully and duly noted down for further analysis.

User Acceptance Testing: The system was viewed from the perspective of the user and its capability to be served to the end users was tested.

Performance Testing: The system was judged under various parameters such as speed, consistency and reliability.

3.0 TEST ASSESSMENT

All the UI and Database related issues have been identified. There were a few instances of extreme severity which make the software highly unreliable. We were not able to do performance testing as we could not bring in a large amount of users accessing the software.

There are no speed related issues as the input given is plain and requires no processing. Unit testing could not be carried out satisfactorily because the developers directly took the input for their modules from the user interface and therefore we could not give inputs of the individual modules.

4.0 TEST RESULTS

4.1 UNIT/MODULE/SYSTEM TESTING

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

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4.2 SYSTEM TESTING

The table below summarizes the results of system testing:

Test Case ID	Tester	Date Tested	Pass/Fail	Severity of Defect [Low/Medium/High]	Summary of Defect	Closed prior to Production Release?	Comments
ST1.	Karteek	04/05/16	F	medium	Admin cannot tell in which tab he is currently working.		Current viewing tab should be highlighted.
ST2.	Vibhav	04/05/16	P	low	Logout of an account executed Successfully.		
ST3.	Shivam	04/05/16	F	medium	Incorrect email addresses are being accepted.		Should display error if wrong.
ST4.	Sunil	04/05/16	F	low	All transcripts are not merged correctly according to semesters.		All courses of same semester should be merged
ST5.	Sunil	04/05/16	F	medium	Detailed info is not shown(for admin :-students full details are not shown properly to see all details properly you have to go to edit button so there should be a view button for viewing full detail.)		View button should be there.

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ST6.	Vibhav	04/05/16	F	low	Years of batches are not mentioned.		Year of the batch should be mentioned.
ST7.	Shivam	04/05/16	F	high	On wrong editing of student details, the page reloaded is missing the information earlier displayed.(list of courses)		When that page gets reloaded, it should not miss out vital information.

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:

Test Case ID	Tester	Date Tested	Pass/Fail	Severity of Defect [Low/Medium/High]	Summary of Defect	Closed prior to Production Release ?	Comments
UA1.	Vibhav	04/05/16	F	low	There is no option for 'forgot password'.		Forgot password button should be there.
UA2.	Shivam	04/05/16	F	medium	Audit and credit are not changing in courses after editing.		Should change after editing.

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UA3.	Vibhav	04/05/16	F	high	If the student and instructor contact number is written in alphabets then system is crashing without showing error message.		Should not crash and show error.
UA4.	karteek	04/05/16	F	low	Wrong roll number entered shows match requested format but no format in add student and courses.		Should show format.
UA5.	Vibhav	04/05/16	P	high	Courses, instructors and students are added successfully.		Show details of all user
UA6 .	Shivam	04/05/16	P	high	Transcript is generated for every student showing all their grades in courses successfully.		Manage the Transcript semester wise
UA7.	Karteek	04/05/16	P	medium	Grades are submitted successfully by the instructor.		
UA8 .	Sunil	04/05/16	F	high	Student can take any number of courses		Should limit the number of courses.
UA9.	Sunil	04/05/16	P	medium	Search option is showing results successfully.		

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

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 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
P1.	04/05/16	Sunil	F	medium	After editing information few pages are loading with glitches		Should load properly
P2.	04/05/16	Shivam	P	low	Time taken for login		

5.0 VARIANCES

The main problem with the testing that occurred was for performance and unit testing. Since the structure of code was very complex and we had a limitation of the number of simultaneous users accessing the software. There were not any major variances in use acceptance and system testing.

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

1. “Forgot password” feature should be implemented.
2. Admin should be able to view the registered courses of a student without going to edit option.
3. Limited course should be registered for a student as per the semester credit norms.
4. All the courses are registered as credit, there is no option for a student to audit a course. Even the functionality of auditing a course is implemented logically wrong.
5. Try to rectify all failed test case mention in the Test cases.

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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
Student Grade Management Test Report	1.0	The document is the first version for the testing phase of the software Fee 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
<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>