OBJECTIVE EXAM MANAGEMENT

TEST REPORT

Version *1.0*

04/03/2016

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	12	04/03/2016

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.]*

Table of Contents

1.0 INTRODUCTION

1.1 PURPOSE

This *"Objective Exam Management"* Test Report provides a summary of the results of test performed as outlined within this document.

2.0 TEST PLAN

SRS (Software Requirement Specifications) document is thoroughly analyzed and functionality of all the modules of software were tested individually, later integration and relationship between the modules were tested.

3.0 TEST ASSESSMENT

Following our test plan during module testing, we found a few mistakes in the functionality of the software and the user interface was working fine. Checked if the web pages are being directed properly during interface testing and a couple of errors were found. System testing is done based on the its use cases mentioned in the SRS. User Acceptance testing is done based on the terms and functionalities given in SRS. Performance testing wasn't possible because the software was run on 'localhost', but the structure of the database was efficient.

4.0 TEST RESULTS

Most of the errors are related to the functionality and inappropriately designed User Interface. Some errors were related to invalid inputs and unexpected outcomes of the software. The database was a little inconsistent in the sense that, duplicate rows were allowed and left unhandled. Basic user requirements like options for "Forgot Password", "Register" weren't provided.

4.1 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	04/03/2016	Navya	F	M	New faculty cannot be added to the existing faculty		There is a list of existing username. New username can't be added
2	04/03/2016	Anirudh	F	L	Student can take any number of courses.		Student should have a maximum bound on the number of courses chosen
3	04/03/2016	Navya	F	M	Incomplete forms are being accepted.		While adding form shouldn't be submitted without essential details like Name, E-Mail ID etc.
4	04/03/2016	Riteek	F	M	Exam can be taken even after end time		After end time, test shouldn't be accessible

							to the student
5	04/03/2016	Shipra	F		M	After end time, even correct answers are being considered wrong		Zero marks is being recorded corresponding to that test
6	04/03/2016	Riteek	F		M	Start and end time of test are allowed to be set to the past		It is logically false and shouldn't happen
7	04/03/2016	Navya	F		M	A question with only one option is being set		At least two options should be given in a multiple choice test
8	04/03/2016	Riteek	F		H	Test can be changed even after commencement of test		New questions can be added to the test and will not be fair to the students
9	04/03/2016	Anirudh	F		H	Empty question paper can be set		Any test should contain at least a single question. Any student taking an empty test is leading to runtime error
10	04/03/2016	Anirudh	P		M	Two tests with the		This will lead to a

					same name in a course can be created under the same faculty		confusion to students
11	04/03/2016	Anirudh	F	H	Generating report of a course having no test		This should generate a warning message but giving a runtime error
12	04/03/2016	Riteek	F	L	No option for "Forget Password"		If user forgets his password, there is no alternative path. Even admin is can't do anything
13	04/03/2016	Riteek	F	H	After user logs out, login page displays User ID of the previous session		User ID of the previous session's user shouldn't be available to others
14	04/03/2016	Shipra	F	M	No error message is displayed in case of wrong password		Error is displayed if the wrong password is entered twice
15	04/03/2016	Shipra	F	M	After selecting the course for a report, the course name is being displayed		It is redundant displaying the course name again

					with all the tests names		
16	04/03/2016	Navya	F	L	In "Add test" page, "Django Administration" is being displayed on the top		Appropriate title should be displayed in the page
17	04/03/2016	Riteek	F	H	Even if a user is logged in, the login page appears again without logging out		Login page shouldn't appear without logging out
18	04/03/2016	Navya	F	M	For some tests, the page is loading forever		The page should appear within sometime after being requested
19	04/03/2016	Navya	F	L	If a test is not attempted by a student, "Not attempted" should be shown instead of "None"		Appropriate information should be displayed
20	04/03/2016	Anirudh	F	M	For setting the questions, radio buttons should be present for the choices instead of check boxes		Since there is only a single correct choice, radio button should be present

21	04/03/2016	Riteek	p				Without any unfilled requirement the test is not being created.
22	04/03/2016	Riteek	P				Student is not able to take the same exam more than once.
23	04/03/2016	Anirudh	F	M	DOB can be set to the future		It is a logical flaw.

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

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	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	04/03/2016	Shipra	P				User is able to login if registered
2	04/03/2016	Shipra	P				Error message is showing if username or

							password is incorrect.
3	04/03/2016	Anirudh	P				Faculty is able to create the test in a particular course and able to see the report corresponding to that test.
4	04/03/2016	Navya	P				Student is able to take the test if the test is active. And able to see his/her performance of the test.
5	04/03/2016	Riteek	P				User is able to log out successfully
6	04/03/2016	Riteek	P				Admin is able to add/delete a student and the corresponding.
7	04/03/2016	Anirudh	F		M	The term captcha has been used in the SRS but has not been implemented in the software.	Captcha can be used to distinguish between human and machine
8	04/03/2016	Navya	P				Graphical progress for the individual student and the class

							average has been created.
9	04/03/2016	Anirudh	F		In SRS it has been mentioned that a student receives notification if a test related to his courses is set by the faculty. But in software no such thing is present.		Notification will help the student to know the new added tests.

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

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>	

[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 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
						\<Yes\> or \<No\>	

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

4.6   \<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

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

5.0   VARIANCES

After testing the web pages individually, while testing the relationship between the modules some unexpected primary errors are found. And the test environment was hosted on 'localhost', performance when run on a publicly hosted server might slow the software

and hamper its performance.

6.0   TEST INSTANCES

Unexpected results:

1. Login page appears suddenly while a user is already logged in.

2. After Logout, username of the user from previous session is being displayed in the login page.

3. Chronological order hasn't been checked in taking inputs.

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

7.0   RECOMMENDATIONS

User Interface of the software was quite impressive. Functionalities of the software must be thoroughly checked again keeping in mind all the errors mentioned before. Some runtime errors are extremely unaccepted and such scenarios must be handled efficiently. Certain basic services in the software weren't provided like option for "Forgot Password"

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>*	*[Provide brief description of the document]*

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.]*