



ECSE 211 DESIGN PROJECT

TESTING DOCUMENT

Version *1.02*

02/25/2018

ECSE 211 TEAM 11

VERSION HISTORY

Title	Testing Document			
Description	Test the built system if meets all the requirements			
Created By	Tianyi Zou, Testing leader			
Date Created	1 st March 2018			
Version Number	Modified By	Modifications Made	Date Modified	Status
1.00	Tianyi Zou	Created the Testing Document Template	1 st March	Preliminary version of the document; added testing template in the appendix
1.01	Luka Jurisic	Peer reviewed the document. Fixed some small errors and formatted the document. Added the introduction, 2 appendixes, and the test plan document. Created section 1.1-1.3.2 and section 2	2 nd March	Preliminary template complete

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1 INTRODUCTION

1.1 PURPOSE OF THE TEST PLAN DOCUMENT

The Test Plan document documents and tracks the necessary information required to effectively define the approach to be used in the testing of the project's product. The Test Plan document is created during the Planning Phase of the project. Its intended audience is the project manager, project team, and testing team. Some portions of this document may on occasion be shared with the client/user.

1.2 TESTING TOOLS

The following tools will be used for testing:

PROCESS	TOOLS
Test Case Creation	Microsoft Word
Test Case Tracking	Microsoft Excel
Test Case Execution	Manual
Test Case Management	Microsoft Excel
Defect Management	Microsoft Excel

1.3 QUALITY OBJECTIVE

1.3.1 PRIMARY OBJECTIVE

The primary objective of this testing phase is to assure that the system meets the full requirements, including quality requirements, and maintain the metrics for each quality requirements of the final design. At the end of the project development, the user should find that the project has met or exceeded all of their specifications detailed in the requirements.

1.3.2 SECONDARY OBJECTIVE

The secondary objective of this testing phase is to identify issues and propose solutions to all hardware and/or software issues, and to communicate all this to the project team. This requires careful and methodical testing of the design to ensure all areas of the system are scrutinized appropriately.

2 TEST DELIVARABLES

The secondary objective of this testing phase is to identify issues and propose solutions to all hardware and/or software issues, and to communicate all this to the project team. This requires careful and methodical testing of the design to ensure all areas of the system are scrutinized appropriately. The testing phase will allow a general progression of the project in terms of both hardware and software. The testing phase will provide key deliverables that fall into 3 basic categories: Documents, Test Cases and Reports. The figure below illustrates the dependencies of these 3 categories.

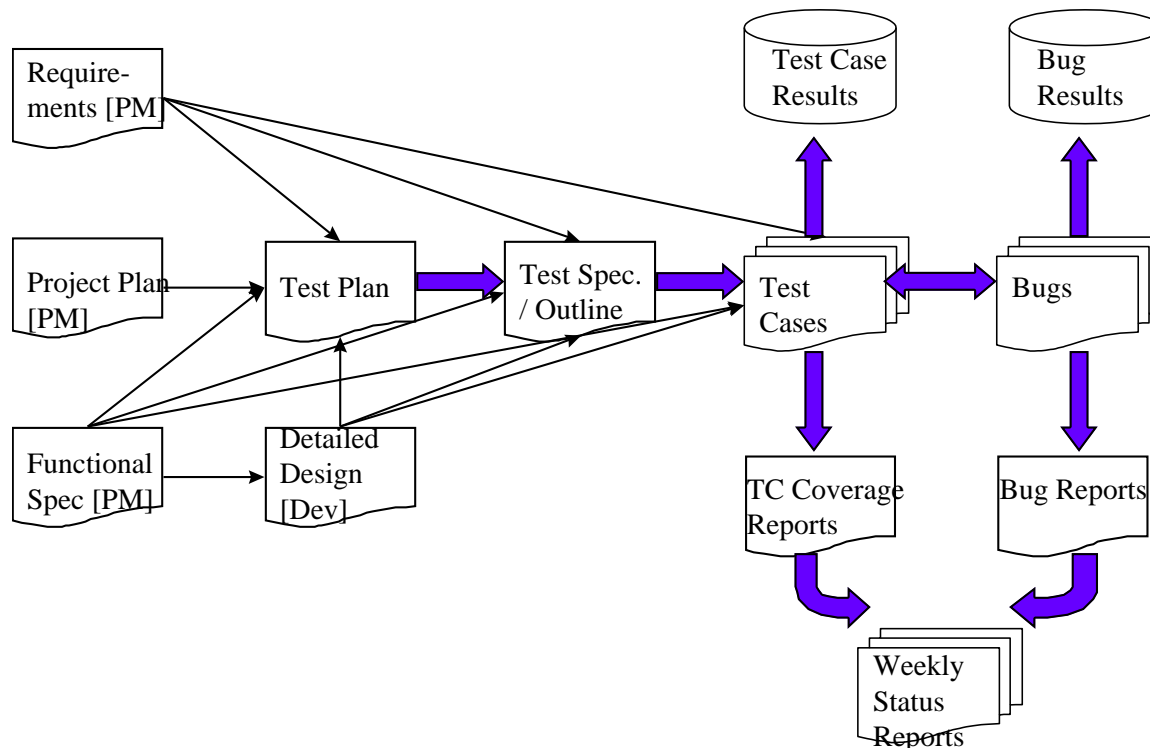


Diagram Source: <https://strongqa.com/qa-portal/testing-docs-templates/test-report>



5 TEST REPORT TEMPLATES

Test's Title:_____

Tester's names: _____ **Test**

Date: _____

_____ **Software Version:**_____

_____ **Hardware Version:**_____

Test Code/Number: _____

Objective:

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Background knowledge (if needed):

You can provide any theoretical parts required for the test.

Procedure:

Questions you may think about:
 Which method can be used for measurement?
 Which variables need to be tested or controlled for other tests?
 How to record and process the data?

Expected Results:

Test Report:

Tests	Variables				Passed?	Comments:

1						
2						
3						
4						
5						
6						

Conclusion/Action/Distribution

TEST PLAN APPROVAL

The undersigned acknowledge they have reviewed the **Test Plan** document and agree with the approach it presents. Any changes to this document will be coordinated with and approved by the undersigned.

Signature: _____ Date: _____
Print Name: _____
Title: _____
Role: _____

Signature: _____ Date: _____
Print Name: _____
Title: _____
Role: _____

Signature: _____ Date: _____
Print Name: _____
Title: _____
Role: _____

Appendix A: References

The following table summarizes the documents referenced in this document.

Document Name and Version	Description	Location

Appendix B: Key Terms

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

Term	Definition