



UNIVERSITY of LIMERICK

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CS4157 SOFTWARE QUALITY

**The Role & Importance of Testing in
Facilitating the Development of Quality Software**

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Submitted to

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Abstract

Present thesis abstract here, typically there are no references, figures or tables in the abstract.

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1 Introduction

1.1 Subsection Example

I am a subsection

1.1.1 Sub Subsection Example

I am a sub subsection

- Research and discuss the role and importance of dynamic analysis in the verification and validation of software and the essential part it plays in facilitating quality.
- Clearly outline and define what Functional and Non-Functional Software Requirements are and in your discussion compare and contrast the differences between them.
- Outline and discuss the key stages in the software testing process
- Research and define the principles of an effective test strategy.
- Research and discuss how Functional Software Requirements and Non-Functional requirements can be successfully tested and define the differences in approach required by each.
- Define and discuss the importance of utilizing both white box and black box testing.
- Consider and discuss the role and importance of having documented test procedures in place to facilitate effective testing.
- Research and outline the purpose, importance and content of a test plan
- Consider each of the following and outline and describe their role and purpose in the testing process:
 - Unit Testing
 - Integration Testing
 - Regression Testing
 - System Testing
 - Acceptance Testing

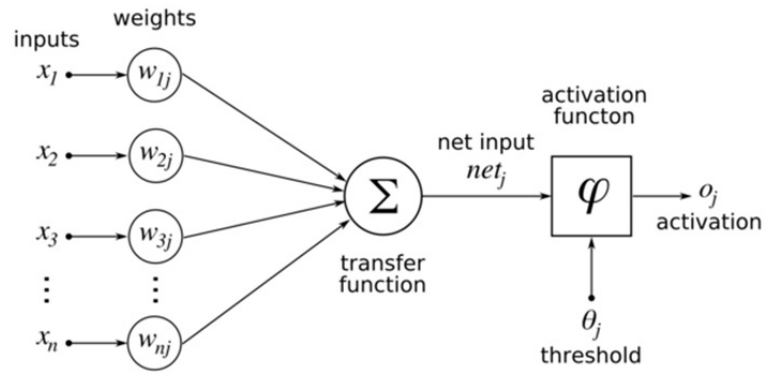
2 Sample Table

Table 1: Comparison p values

Attribute	p -value	Significant
Model A	0.0521	N
Model B	0.6171	N
Model C	<0.00001	Y

2.0.1 Sample Figure

Figure 1: Perceptron (Artificial Neural Network)



References