# Software Development 2014

#### Assessment Sheet Outcome 1 - 40% of Unit 3 (v1)

**Outcome 1:** On completion of this unit the student should be able to analyse an information problem in order to produce software requirements specifications for a solution that operates within a networked environment.

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| Criteria for Assessment | Allocated Marks | Comments |
| * Identify key tasks involved in planning the software
 | **5** |  |
| * Proposes a range of data collection method to be utilized during analysis
	+ Identify an appropriate range of collection methods
	+ Justification of collection methods
 | **6** |  |
| **Present a software requirements specifications that*** State the intended purpose of the software (utilizing Moore’s product vision statement)
* Identify the scope of the software solution by
	+ List the capabilities the software will include (to identify project boundaries)
	+ List the capabilities the software will not include (to identify project boundaries)
	+ Describe the networked environment (physical layer) in which the software will operate (including type of network, hardware, software (operating system and application) and protocols)
	+ Discuss the network’s functionality and security vulnerabilities
 | **3****5****3****4****4** |  |
| * Identify and describe the functional (what it is required to do) requirements
* Document all of the functional requirements by
	+ Constructing a Dataflow diagrams (including a Context Diagram)
	+ Developing a set of Use Case that define the interactions between external actors and the software/system and accompanying UC diagrams
 | **5****8****6** |  |
| * Describe all of the non-functional requirements of the solution (software quality attributes)
	+ Identify the non-functional requirement
	+ Explanation and justification of non-functional requirement
 | **6** |  |
| * Acknowledge all relevant constraints that affect the solution
	+ Identify constraints that are relevant
	+ Explanation and justification of constraints
 | **5** |  |
|  **TOTAL:** | **60** |  **/40** **%** |