# 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**  **%** |