# **Software Development 2011 Criteria and Assessment Sheet**

# **Unit 3 – Outcome 2 (60 marks)**

**Description**: Represent a software design and apply a range of functions and techniques using a programming language to develop a

prototype solution to meet a specific need.

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| Criteria for assessment | Allocated Marks | Comments if Required |
| **Design of the software module** | |  |
| 1. Evaluation criteria appropriate to the solution requirements were identified. | / 3 |  |
| 1. Data dictionary was created to describe the format of the text files that will be read in and produced by the software solution. | / 2 |  |
| 1. Pseudo-code algorithm which clearly represents the logic and sequence of the planned solution was constructed. | / 5 |  |
| **Creation of the software module** | |  |
| 1. Efficient and effective use of data types and data structures was demonstrated in the prototype solution. | / 10 |  |
| 1. Efficient and effective programming techniques were demonstrated in the prototype solution. | / 5 |  |
| 1. Prototype solution showed clear and appropriate internal documentation. | / 5 |  |
| 1. Prototype solution displayed required information in a logical manner | / 5 |  |
| 1. Efficient use of file input / output techniques were demonstrated in the prototype solution | / 5 |  |
| 1. Prototype solution met specifications as stated in the SRS. | / 10 |  |
| **Testing the software module** | |  |
| 1. Testing table, with well designed test data and the results of tests was shown. | / 10 |  |
| **Total :** | /**60** |  |