# **Software Development 2012 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 necessary)** |
| **Design of the software module** | | |  |
| * Identify evaluation criteria appropriate to the solution requirements. |  | / 3 |
| * Data dictionary. |  | / 2 |
| * Pseudo-code algorithm which clearly represents the logic and sequence of the planned solution. |  | / 5 |
| **Creation of the software module** | | |
| * Efficient use of data types and data structures. |  | / 10 |
| * Efficient and effective programming techniques. |  | / 5 |
| * Content and clarity of internal documentation. |  | / 5 |
| * Logical choices of displayed information. |  | / 5 |  |
| * Efficient use of file input / output. |  | / 5 |  |
| * Solution meets specifications as stated in the SRS. |  | / 10 |
| **Testing the software module** | | |
| * Testing table, with well-designed test data and the results of tests shown. |  | / 10 |
| **Total:** |  | **/ 60** |