# **Software Development 2012 Unit 3 – Outcome 1 (40 marks)**

**Description**: 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 (all dots points below together constitute the SRS) | Allocated Marks | | **Comments (if necessary)** |
| **Preparing for analysis** |  |  |  |
| * Identify the key tasks involved in planning the solution. |  | / 2 |  |
| * Propose a range of data collection methods. |  | / 2 |
| * Describe the networked environment in which the solution will operate (including the type of network, hardware, software and protocols). |  | / 4 |
| **Use Case diagram** |  |  |
| * Correct use of symbols (actors, use case, system boundary, associations and any relevant includes or extends) |  | / 2 |
| * Use case accurately represents the functions described in the organisation. |  | / 8 |
| **Data Flow Diagram (DFD)** |  |  |
| * Correct use of symbols (entities, processes, data flows and data stores). |  | / 2 |
| * DFD accurately represents the processes described in the organisation. |  | / 10 |
| * Analysis of DFD (describe any inefficiencies or omissions that will need to be addressed in the design of the software solution). |  | / 2 |
| **Requirements, constraints and scope** |  |  |
| * Describe the requirements of the software solution including functional and non-functional requirements. |  | / 2 |
| * Describe all relevant constraints that affect the solution. |  | / 2 |
| * Describe any security vulnerabilities that will affect the design of the software solution. |  | / 2 |
| * Demonstrate an understanding of the personnel and their role in the system. |  | / 2 |
| **Total :** |  | **/ 40** |