Assessment Brief 1

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| Student Name/ID Number |  |
| **Unit Number and Title** | **16: Cloud Computing** |
| Academic Year |  |
| Unit Tutor | Do Quoc Binh |
| **Assignment Title** | **Cloud Computing Solutions** |
| **Issue Date** |  |
| Submission Date |  |
| IV Name & Date |  |

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| **Submission Format** |
| The submission is in the form of 1 document:   1. A technical report on ‘Design solution’ (saved in either a Microsoft® Word® or PDF format).   You are required to make use of headings, paragraphs, subsections and illustrations as appropriate, and all work must be supported with research and (where appropriate) referenced using the Harvard referencing system. |

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| **Unit Learning Outcomes** |
| LO1 Demonstrate an understanding of the fundamentals of Cloud Computing and its architectures.  LO2 Evaluate the deployment models, service models and technological drivers of Cloud Computing and validate their use. |
| **Assignment Brief and Guidance** |
| ATN is a Vietnamese company which is selling toys to teenagers in many provinces all over Vietnam. The company has the revenue over 500.000 dollars/year. Currently each shop has its own database to store transactions for that shop only. Each shop has to send the sale data to the board director monthly and the board director need lots of time to summarize the data collected from all the shops. Besides the board can’t see the stock information update in real time.  The table of contents in your technical report should be as follows:   1. Explain to the board director the fundamentals of cloud computing and how it is popular nowadays(500 words) 2. Persuade the board director to use Cloud Computing in ATN(300 words) 3. Proposed solution (higher level solution description – around 200 words). 4. Explain the appropriateness of the solution for the scenario (350 words with images and diagrams). 5. Architectural design (architectural diagram and description). 6. Detailed design:    1. Deployment model (discussion on why that model was chosen).    2. Service model (discussion on why that model was chosen).    3. Programming language/ webserver/database server chosen. 7. Summary. |

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| Learning Outcomes and Assessment Criteria | | |
| Pass | Merit | Distinction |
| **LO1** Demonstrate an understanding of the fundamentals of Cloud Computing and its architectures | | **LO1 & 2**  **D1** Justify the tools chosen to realise a Cloud Computing solution. |
| **P1** Analyse the evolution and fundamental concepts of Cloud Computing.  **P2** Design an appropriate architectural Cloud Computing framework for a given scenario. | **M1** Discuss why an organisation should migrate to a Cloud Computing solution. |
| **LO2** Evaluate the deployment models, service models and technological drivers of Cloud Computing and validate their use | |
| **P3** Define an appropriate deployment model for a given scenario.  **P4** Compare the service models for choosing an adequate model for a given scenario. | **M2** Demonstrate these deployment models with real world examples. |