**ASSIGNMENT FRONT SHEET**

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| **Qualification** | **Edexcel BTEC Level 5 HND Diploma in Computing and Systems Development** | | |
| **Unit number and title** | **Unit 32: Quality systems in IT** | | |
| **Assignment due** |  | **Assignment submitted** |  |
| **Learner’s name** |  | **Assessor name** |  |

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| **Learner declaration:**  I certify that the work submitted for this assignment is my own and research sources are fully acknowledged. | | | |
| **Learner signature** |  | **Date** |  |

**Grading grid**

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| P1.1 | P1.2 | P1.3 | P2.1 | P3.1 | P3.2 | M1 | M2 | M3 | D1 | D2 | D3 |
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| **Assignment title** | **Quality in Amazon’s IT System Software Development** | | | |
| In this assignment, you will have opportunities to provide evidence against the following criteria.  Indicate the page numbers where the evidence can be found. | | | | |
| **Assessment criteria** | | **Expected evidence** | **Task no.** | **Assessor’s Feedback** |
| **LO1. Understand the need for quality assurance in IT systems** | | | | |
| 1.1 discuss appropriate standards for the development of an IT system | | A Written document which:   1. Explains why a systematic approach to quality assurance, and quality control is needed. 2. Discusses various SQA standards. | 1 |  |
| 1.2 assess the risks associated with the development of an IT system | | A Written document discusses the risks associated with the development of an IT system which has a database at its centre. |  |
| 1.3 discuss quality assurance practices at all stages of the systems development lifecycle | | A Written document describes the systems development life-cycle (SDLC) as it applies to database development, and then go on to explain how each phase of the life-cycle is quality assured |  |
| **LO2. Be able to employ standard quality control documentation** | | | | |
| 2.1 produce quality control documentation for each stage of the systems development lifecycle | | - A software test plan (STP)  - A software test description (STD)  - A software test report (STR) | 2 |  |
| **LO3. Be able to use project management tools** | | | | |
| 3.1 apply project planning and management tools to plan specific resources and requirements for an IT system development | | 1. A Written document explains the importance of project management to the production of high quality IT systems.   b)  - a Work Breakdown Structure  - a GANTT chart  - a Critical Path Method | 3 |  |
| 3.2 evaluate the suitability of tools used to manage the development of an IT system. | |

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| **Assessment criteria** | **Expected Evidence** | **Feedback**  **(note on Merit/Distinction if applicable)** |
| **M1** Identify and apply strategies to find appropriate solutions | 1. Effective judgements have been made. 2. An effective approach to study and research has been applied |  |
| **M2** Select/design and apply appropriate methods/techniques | 1. Relevant theories and techniques have been applied 2. The design of methods/techniques has been justified |  |
| **M3** Present and communicate appropriate findings | 1. An appropriate structure and method has been used and technical language has been accurately used to present the findings. 2. Communication has taken place in familiar and unfamiliar contexts |  |
| **D1** Use critical reflection to evaluate own work and justify valid conclusions | 1. Conclusions have been arrived at through synthesis of ideas and have been justified 2. The validity of results has been evaluated using defined criteria |  |
| **D2** Take responsibility for managing and organising activities | 1. Substantial activities have been planned, managed and organized 2. Activities have been managed |  |
| **D3** Demonstrate convergent/lateral/ creative thinking | 1. Self-evaluation has taken place 2. Problems have been solved |  |

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| Summative feedback | | | |
| **Assessor’s Signature** |  | Date |  |

**<ATTACHED EVIDENCE>**