| VCE Software Development: School-assessed Task 2016 | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | |  | | | | |
| **Assessment Criteria** | Levels of Performance | | | | | | |
| **Not shown** | **1–2 (low)** | | **3–4** | **5–6 (medium)** | **7–8** | **9–10 (high)** |
| **7.**  Skills and  strategies for testing and evaluating a  software solution to meet specific needs  **or opportunities** |  | Documents limited test data and performs limited tests. Many logic errors are undetected.   * Limited testing * Some testing of objects * Lists some actual output * Many logic errors   Prepares and conducts, for one user, a brief and general useability test. Uses limited testing techniques.   * Preparation of test * Conduct of survey for one user * Limited testing techniques   Documents informally limited evidence of the useability test.   * Limited evidence (results) of surveys * Limited documentation   Implements few modifications to the solution as a result of useability testing.   * Implements few modifications   Lists few approaches to evaluating the solution making limited reference to the criteria.   * Lists few approaches * Limited reference to criteria   Outlines generally how some requirements of the solution are met.   * Some requirements are met | | Documents generally a small range of test data and applies some suitable testing techniques.  Some key logic errors are undetected.   * Small range of testing * Some suitable testing of objects and validation * Lists some expected and actual output * Some key logic errors   Prepares a general useability test. Conducts the test using some suitable techniques. Meets user requirements.   * Preparation of general useability test * Conduct of survey for more than one user * Some suitable testing techniques * Meets user requirements   Documents general results of the useability test.   * Documents some results of surveys * Some evidence of surveys   Implements some modifications to the solution as a result of useability testing.   * Implement some modifications   Identifies some feasible strategies for evaluating the solution, making some reference to criteria.   * Some feasible strategies * Some reference to criteria   Describes generally how some functional and non functional requirements of the solution are met.   * Describe how some functional and non functional requirements are met | Documents formally a range of test data and applies suitable techniques for detecting most logic errors.   * Range of testing * Suitable testing of objects and validation * Lists expected and actual output * Most logic errors detected   Prepares a useability test that is specific to some requirements of the solution. Conducts the test for the required number of users and uses suitable testing techniques.   * Preparation of specific useability test * Conduct of survey for number of users * Uses suitable testing techniques * Meets user requirements   Documents accurately most results of the useability test in an organised manner.   * Documents most results of surveys * Organised results of useability test   Implements most modifications to the solution as a result of useability testing.   * Implements most necessary modifications   Proposes some feasible strategies for evaluating the efficiency and effectiveness of the solution. Makes reference to most criteria.   * Some feasible strategies for evaluating efficiency and effectiveness * Makes reference to most criteria   Explains in terms of efficiency and effectiveness how some functional and non functional requirements of the solution are met.   * Some solution requirements are met * Explanation in terms of efficiency and effectiveness | Documents formally a wide range of relevant test data and applies suitable testing techniques. Minor logic errors exist but to not reduce the capacity of the solution to meet is requirements.   * Wide range of testing * Suitable testing of objects and validation * Lists expected and actual output * Minor logic errors exist * Meets requirements   Prepares a useability test that is appropriate to targeting specific key requirements of the solution. Conducts the test using a range of suitable techniques and meets user requirements.   * Preparation of appropriate useability test * Conduct of survey for number of users * Uses a range of suitable testing techniques * Meets user requirements   Classifies and documents accurately all the results of the useability test.   * Classifies results of surveys * Documents results of useability test   Implements key modifications to the solution as result of useability testing.   * Implement all necessary modifications   Proposes feasible strategies for evaluating the efficiency and effectiveness of the solution.  Considers all criteria.   * Propose feasible strategies * Considers all criteria   Explains in terms of efficiency and effectiveness how some specific features of the solution meet most functional and non functional requirements.   * Specific features meet requirements * Explanation in terms of efficiency and effectiveness | Documents formally and clearly a comprehensive range of relevant test data. Applies suitable techniques to detect all logic errors.   * Comprehensive testing * Range of testing: * Objects * Validation * Expected and actual output * No logic errors   Prepares a useability test that comprehensively covers all targeted requirements of the solution. Conducts test using a set of suitable techniques and meets user requirements.   * Preparation of test * Conduct of survey * Users * Surveys meet requirements   Documents in detail a logically classified set of accurate results of the useability test.   * Documentation of results of surveys * Evidence of survey * What did the results say?   Implements all necessary modifications to the solution as a result of useability testing.   * Implements all necessary modifications   Proposes a coherent set of feasible strategies for evaluating the efficiency and effectiveness of the solution. Strategies align with all criteria.   * Proposes coherent strategies * Evaluate the solution * Align with all criteria   Explains in terms of efficiency and effectiveness how specific features of the solution meet all functional and non functional requirements.   * How solution meets requirements * How it meets efficiency and effectiveness |