| 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 andstrategies for testing and evaluating asoftware 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
 |