| VCE Software Development: School-assessed Task 2016 | | | | | | | |
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| **Assessment Criteria** | Levels of Performance | | | | | | |
| **Not shown** | **1–2 (low)** | | **3–4** | **5–6 (medium)** | **7–8** | **9–10 (high)** |
| **3.**  Skills in generating design ideas and designing preferred solution. |  | Lists a ***narrow*** setof criteria for evaluating design ideas and solutions. ***Omissions*** reduce the capacity of the preferred design to meet requirements.   * Narrow set of criteria * Does not meet requirements * Omissions   .  Generates ***two*** design ideas that have ***minor differences*** in their appearance or functionality.   * 2 design ideas * Minor differences   Selects a ***preferred design idea*** for further development based on ***personal preference*** with ***limited acknowledgement*** of the solution requirements.   * Written report including: * Selection of design idea * Discussion based on personal preference * Limited acknowledgement of requirements   Expresses the ***preferred design*** using ***limited*** and ***incomplete*** methods. ***Minimal*** consideration evident of ***relevant*** design factors. ***Logical errors*** exist.   * Preferred designs using limited and incomplete methods: * Data dictionaries * Object descriptions * Mock-ups * Pseudocode * Logic errors * Omissions * Minimal design factors | | States ***some*** criteria that enable a ***partial evaluation*** of design ideas and solutions.   * State some criteria: * Efficiency * Effectiveness   Generates ***two or three*** design ideas that are ***slight modifications*** of each in their representation of the solution’s appearance and functionality.   * 2 or 3 design ideas * Slight modifications of one another   Selects a ***preferred design idea*** for further development based on ***limited criteria*** relevant to the solution requirements.   * Written report including: * Selection of design idea * Discussion based on limited   criteria   * Limited criteria relevant to   solution requirements  Expresses the ***preferred design*** using some ***appropriate*** methods. ***Some*** consideration of design factors is evident with some ***errors of logic*** exist and ***omissions*** that impact the capacity of the designs to be developed.   * Preferred designs using some of: * Data dictionaries * Object descriptions * Mock-ups * Pseudocode * Logic errors * Omissions * Some design factors | States a ***range*** of criteria for evaluating the capacity of design ideas and solutions to meet functional and non-functional requirements.   * Range of criteria: * Efficiency * Effectiveness * Meets requirements   Generates ***two or three*** design ideas that represent some ***feasible alternatives*** to the solution’s functionality and appearance.   * 2 or 3 design ideas * Feasible alternatives * Represent: * Functionality * Appearance   Selects a ***preferred design idea*** for further development based on ***some relevant criteria*** to the solution requirements.   * Written report including: * Selection of design idea * Discussion based on some   relevant criteria   * Some relevant criteria related to requirements   Expresses the ***preferred design*** using ***some*** appropriate methods. Consideration of ***relevant*** design factors is evident with ***minimal errors***.   * Preferred designs using some of: * Data dictionaries * Object descriptions * Mock-ups * Pseudocode * Minimal errors * Relevant design factors | Specifies a ***complete*** set of criteria for evaluating alternative design ideas and solutions to meet functional and non-functional requirements.   * Complete set of criteria: * Efficiency * Effectiveness * Meets requirements * Rates criteria * Rates criteria for evaluation   Generates ***two or three*** design ideas that are ***feasible*** and clearly ***differ*** in their representation of the solution’s functionality and appearance.   * 2 or 3 design ideas * Feasible alternatives * Differ in representation * Represent: * Functionality * Appearance   Selects a ***preferred design idea*** for further development based on ***some relevant criteria*** related to functional and non-functional solution requirements.   * Written report including: * Selection of design idea * Discussion based on some   relevant criteria   * Criteria related to requirements     Expresses ***preferred design*** using appropriate methods. Designs demonstrate consideration of most ***relevant*** design factors. ***Minor errors*** do not reduce the capacity of the designs to be developed.   * Preferred designs using: * Data dictionaries * Object descriptions * Mock-ups * Pseudocode * Minor errors * Use of relevant design factors | Specifies a ***comprehensive*** set of criteria for evaluating the efficiency and effectiveness of alternative design ideas and solutions.   * Comprehensive set of criteria: * Efficiency * Effectiveness * Meets requirements * Rates criteria for comprehensive evaluation   Generates ***two or three*** distinctive design ideas that are ***feasible*** and ***original*** representations of the solution’s functionality and appearance.   * 2 or 3 design ideas * Feasible alternatives * Original representations * Represent: * Functionality * Appearance   Selects a ***preferred design idea*** for further development based on a ***complete set of criteria***.   * Written report including: * Selection of design idea * Discussion based on complete   set of criteria   * Criteria related to requirements   Expresses ***accurately*** and ***completely preferred design*** using appropriate methods. Designs are ***detailed*** and ***fully*** demonstrate consideration of ***relevant*** design factors.   * Preferred designs using: * Data dictionaries * Object descriptions * Mock-ups * Pseudocode * Detailed * Use of relevant design factors |