| 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 requirementsExpresses 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
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