

IA3 Assessment – Redesign Project

Student name

| Exploring   | Marks |
|---|-------|
| <ul style="list-style-type: none"> <li>• <b>discerning</b> description of features and sustainable requirements that define a redesign problem and <b>essential</b> design criteria based on the requirements of the opportunity and the principles of good design</li> <li>• <b>insightful</b> analysis of redesign opportunities using <b>relevant</b> data about existing designed solutions and sustainability to identify the significant features, constraints and the relationships between them.</li> </ul> | 6 - 7 |
| <ul style="list-style-type: none"> <li>• <b>adequate</b> description of features and sustainable requirements that define a redesign problem and some design criteria based on the requirements of the opportunity and the principles of good design</li> <li>• <b>appropriate</b> analysis of redesign opportunities using data about existing designed solutions and sustainability to identify features and constraints.</li> </ul>  | 4 - 5 |
| <ul style="list-style-type: none"> <li>• <b>superficial</b> description of a redesign problem with sustainable requirements and some design criteria</li> <li>• superficial analysis of redesign opportunities to identify some <b>partial</b> features.</li> </ul>   | 2 - 3 |
| <ul style="list-style-type: none"> <li>• description of aspects of a redesign problem</li> <li>• statements about opportunities.</li> </ul>   | 1     |
| <ul style="list-style-type: none"> <li>• does not satisfy any of the descriptors above.</li> </ul>  | 0     |
| Devising  | Marks |
| <ul style="list-style-type: none"> <li>• Multiple ideas <b>perceptively</b> devised from different points of view — with each idea incorporating unique, credible and detailed attributes — using divergent thinking strategies and circular design methods in response to a redesign problem in the develop phase.</li> </ul>  | 4 - 5 |
| <ul style="list-style-type: none"> <li>• ideas appropriately devised — with each idea incorporating credible and detailed attributes — using a divergent thinking strategy and aspects of circular design methods in response to a redesign problem in the develop phase.</li> </ul>  | 2 - 3 |
| <ul style="list-style-type: none"> <li>• ideas disjointedly devised in response to aspects of a redesign problem.</li> </ul>  | 1     |
| <ul style="list-style-type: none"> <li>• does not satisfy any of the descriptors above.</li> </ul>  | 0     |
| Synthesising and evaluating   | Marks |
| <ul style="list-style-type: none"> <li>• <b>coherent</b> and <b>logical</b> synthesis by combining attributes of multiple ideas and sustainability information to propose an <b>innovative</b> sustainable design concept in the develop phase</li> <li>• <b>critical</b> evaluation of the strengths, limitations and implications of ideas and a sustainable <b>design concept</b> against design criteria to make discerning refinements that improve ideas and the sustainable design concept.</li> </ul>       | 4 - 5 |
| <ul style="list-style-type: none"> <li>• <b>simple</b> synthesis by combining ideas and sustainability information to propose a sustainable design concept</li> <li>• <b>feasible</b> evaluation of the strengths and limitations of ideas and sustainable design concept against some design criteria to make adequate refinements.</li> </ul>   | 2 - 3 |
| <ul style="list-style-type: none"> <li>• <b>unclear</b> combination of ideas</li> <li>• make statements about ideas or the sustainable design concept.</li> </ul>   |       |
| <ul style="list-style-type: none"> <li>• does not satisfy any of the descriptors above.</li> </ul>  | 0     |

| Representing and communicating  | Marks |
|---|-------|
| <ul style="list-style-type: none"> <li>• <b>sophisticated</b> representation of ideas, a design concept and sustainability information using <b>fluent</b> sequences of schematic sketching and ideation sketching and/or low-fidelity prototyping to progress understanding in the explore and develop phases</li> <li>• discerning decision-making about, and fluent use of,                             <ul style="list-style-type: none"> <li>- illustrations and/or low-fidelity prototypes to promote a design opportunity with sustainable attributes for relevant stakeholders</li> <li>- written and/or spoken conventions, features and design-specific language to present a design brief for a specified audience.</li> </ul> </li> </ul> | 7 - 8 |
| <ul style="list-style-type: none"> <li>• <b>considered</b> representation of ideas, a design concept and sustainability information using proficient schematic sketching and ideation sketching and/or low-fidelity prototyping to progress understanding in the explore and develop phases</li> <li>• <b>effective</b> decision-making about, and proficient use of,                             <ul style="list-style-type: none"> <li>- illustrations and/or low-fidelity prototypes to promote a design opportunity with sustainable attributes for relevant stakeholders</li> <li>- written and/or spoken conventions, features and design-specific language to present a design brief for a specified audience.</li> </ul> </li> </ul>          | 5 - 6 |
| <ul style="list-style-type: none"> <li>• appropriate representation of ideas, a design concept and sustainability information using schematic sketching and ideation sketching and/or low-fidelity prototyping in the explore and develop phases</li> <li>• appropriate decision-making about and use of                             <ul style="list-style-type: none"> <li>- illustrations and/or low-fidelity prototypes to promote a design opportunity</li> <li>- written and/or spoken conventions and features to present a design brief.</li> </ul> </li> </ul>  | 3 - 4 |
| <ul style="list-style-type: none"> <li>• <b>cursorly</b> representation of ideas and information using unclear sketching or low-fidelity prototyping in the design process</li> <li>• <b>variable</b> decision-making about, and inconsistent use of,                             <ul style="list-style-type: none"> <li>- illustrations and/or low-fidelity prototypes</li> <li>- written and/or spoken conventions.</li> </ul> </li> </ul>  |       |
| <ul style="list-style-type: none"> <li>• does not satisfy any of the descriptors above.</li> </ul>  | 0     |

Comments