

	<p>Grade: Excellence</p>
<p>1.</p>	<p>For Excellence, the student needs to use complex techniques to develop a refined database.</p> <p>This involves:</p> <ul style="list-style-type: none"> • iterative improvement throughout the design, development, and testing process • using efficient tools and techniques in the outcome's production • presenting the data effectively for the purpose and end-users. <p>There is no student work currently available at this grade.</p> <p>The student shows iterative improvement by trialling and testing alternative ways of making components of the database or adding new features. Iterative improvement will involve deliberate cycles and focus on the reliability and functionality of the database, resulting in a substantially improved outcome. For example, the student included trialling and improving the interface, data tables/nodes, queries, input forms, and output forms.</p> <p>The student showed how they used efficient tools and techniques in producing the database. For example:</p> <ul style="list-style-type: none"> • They applied version control methods. • Their testing was planned and systematic, not trial and error. • The student used “includes” to make efficient use of PHP scripts. • The student created relationship diagrams before implementing the table structure. • The student created queries that use input parameters so that scripts do not have to be duplicated. <p>The student showed how they have effectively presented the data. For example:</p> <ul style="list-style-type: none"> • They ensured that the data was presented in such a way that it was able to be analysed and searched (e.g. drop-down lists and checkboxes where appropriate) and the data is easily understood. • There are very few grammatical or typographical errors. • The layout demonstrates the application of design principles.