**Database Design & Development (Advocate: Thiago Viana)**

**Design a relational database system using appropriate design tools and techniques, containing at least four interrelated tables, with clear statements of user and system requirements.**

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| <https://github.com/SDearing/Entity-Relationship-Diagrams-Example> |
| In this document a relational database system design has been made based off a given scenario. |

**Develop the database system with evidence of user interface, output and data validations, and querying across multiple tables.**

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| Please use this section to provide all appropriate, valid and checked http Links that point to your evidence; use multiple lines to separate multiple links |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement  TO DO (you can leave it blank now, we are going to address this un future sessions) |

**Implement a query language into the relational database system.**

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| <https://github.com/SDearing/Entity-Relationship-Diagrams-Example> |
| In this documentation, with the entity relationship diagram, there is SQL code with exaplanations to what each command does. |

**Test the system against user and system requirements.**

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| TBD |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement  A link to your TASK 7 in my sessions:   * Create a test plan for the current project (countdown) to test the system against user and system requirements. |

**Produce technical and user documentation.**

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**Produce a comprehensive design for a fully functional system which includes interface and output designs, data validations and data normalisation.**

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**Implement a fully functional database system which includes system security and database maintenance.**

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**Assess whether meaningful data has been extracted through the use of query tools to produce appropriate management information.**

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**Assess the effectiveness of the testing, including an explanation of the choice of test data used.**

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| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement  A link to your TASK 7 in my sessions:   * Assess the effectiveness of the testing, including an explanation of the choice of test data used.   Explain all your test plan, was it good? Why? What would you change and why?  TBD |

**Produce technical and user documentation for a fully functional system, including diagrams showing movement of data through the system, and flowcharts describing how the system works.**

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**Assess the effectiveness of the design in relation to user and system requirements.**

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**Evaluate the effectiveness of the database solution in relation to user and system requirements, and suggest improvements.**

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**Assess any future improvements that may be required to ensure the continued effectiveness of the database system.**

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