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

**This document is to be completed later on as we have not yet covered this area**

**P1: 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/MarkB19988/Database/blob/master/README.md#relational-database-system-design>  **COMPLETED** |
| The above link points to a section of my database repository that explains what tools and techniques I used to design my relational database system and the requirements. |

**P2: Develop the database system with evidence of user interface, output and data validations, and querying across multiple tables.**

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| <https://github.com/MarkB19988/Database/blob/master/README.md#forms-data-validations-and-reports>  **COMPLETED** |
| The above link points to a section of my database repository that shoes screenshots of my forms and reports that include data validation and have a user interface. |

**P3: Implement a query language into the relational database system.**

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| <https://github.com/MarkB19988/Database/blob/master/README.md#code-i-used-to-create-my-database>  **COMPLETED** |
| The above link points to a section of my database repository that shows what SQL code I implemented into my database system. |

**P4: Test the system against user and system requirements.**

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| <https://github.com/MarkB19988/Database/blob/master/README.md#testing-the-system>  **COMPLETED** |
| The above link points to a section of my database repository that includes my test plan and multiple screenshots of me testing these requirements. |

**P5: Produce technical and user documentation.**

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| <https://github.com/MarkB19988/Database/blob/master/README.md#user-and-technical-documentation>  **COMPLETED** |
| The above link points to a section of my database repository that contains my user and technical manual. |

**M1: Produce a comprehensive design for a fully functional system which includes interface and output designs, data validations and data normalisation.**

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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 |

**M2: Implement a fully functional database system which includes system security and database maintenance.**

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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 |

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

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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 |

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

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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 |

**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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| 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 |

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

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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 |

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

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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 |

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

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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 |