**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/kap14275819/Database/blob/master/README.md#entity-relationship-diagram>  <https://github.com/kap14275819/Database/blob/master/README.md#data-dictionary>  <https://github.com/kap14275819/Database/blob/master/README.md#user-stories> |
| In the first link it will show and explain what an entity relationship diagram is, the second link will then show the data dictionary that was created for my database and the final link will show all the users stories for the database. |

**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/kap14275819/Database#evidence-screenshots>  <https://github.com/kap14275819/Database#validation>  <https://github.com/kap14275819/Database/blob/master/Database.accdb> |
| In the first link it will show all the screenshots of evidence from the database that was designed, the second link will then show the validation of the database that is if a user inputs something that should not go into that specific section of the form. The final link is the full database file that can show more of the database. |

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

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| <https://github.com/kap14275819/Database#sql-commands> |
| In this link it will show all the SQL commands that were used to design and create the database system. This will show the Insert, Create, Update, Delete and Select commands. |

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

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| <https://github.com/kap14275819/Database#test-plan> |
| In this link it will show the test plan that has tested each section in the database against the user and system requirements |

**Produce technical and user documentation.**

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| To be completed |
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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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| To be completed |
| 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 |

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

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| To be completed |
| 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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| To be completed |
| 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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| <https://github.com/kap14275819/Weekly-Tasks/blob/master/test%20plan.docx> |
| 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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| To be completed |
| 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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| To be completed |
| 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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| To be completed |
| 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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| To be completed |
| 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 |