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

**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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| Link: <https://github.com/matthewsides/Database/blob/master/README.md#user-stories>  <https://github.com/matthewsides/Database/blob/master/README.md#erd>  <https://github.com/matthewsides/Database/blob/master/README.md#database-documentation> |
| The evidence for this criteria may be found under three headings; “user stories”, “erd” and “database documentation”. This constitutes as meeting the criteria as the ERD and Data dictionary show the design of a relational database with five interrelated tables, using design tools and techniques. Whilst clear statements of user stories or requirements have been fleshed out. In regards to the data dictionary it may be downloaded through clicking the link underneath the heading “database documentation” labelled “Data Dictionary”. |

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

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| Link: <https://github.com/matthewsides/Database/blob/master/README.md#db-images>  <https://github.com/matthewsides/Database/blob/master/README.md#database-documentation> |
| The evidence may be found in the Database repository under the Heading “images”, showing screen shots of; a user interface, reports, query’s, forms and validation. With further evidence provided in the user manual showing more screen shots of a data base system with user interface, output and data validations, and querying across multiple tables. |

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

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| Link: <https://github.com/matthewsides/Database/blob/master/README.md#sql-code>  <https://github.com/matthewsides/Database/blob/master/README.md#sql-language-commands> |
| This is evidenced through the link under the heading SQL code, whilst a list of commands with a brief explanation may also be seen. The evidence provided is valid as it shows the query language implemented into a relational database system, also listing a few commands. |

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

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| Link: <https://github.com/matthewsides/Database/blob/master/README.md#test-plan> |
| This is evidenced in the "Database" repository, under the heading "test plan", through the use of a screen shot displaying the test plan, with a link as well to download the file containing the test plan. This evidence meets the criteria as it demonstrates the testing of a system against system and user requirements. Ensuring the functionality of the system and that it suits its intended purpose. |

**P5 Produce technical and user documentation.**

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| Link:<https://github.com/matthewsides/Database/blob/master/README.md#database-documentation> |
| The evidence for this criteria is located under the heading “Database documentation” through the links “Design Documentation” and “User Manual”, once the links have been clicked the documents should be downloaded. This effectively constitutes as evidence for this criteria as technical and user documentation has been produced and presented as requested. |

**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  TO DO (you can leave it blank now, we are going to address this un future sessions) |

**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  TO DO (you can leave it blank now, we are going to address this un future sessions) |

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

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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  TO DO (you can leave it blank now, we are going to address this un future sessions) |

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

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| Link: https://github.com/matthewsides/Project4-Countdown/blob/master/README.md |
| This is evidenced under the "Testing" heading and subheading "Test Plan Evaluation" in the README.md documentation in the repository "project04-countdown" on GitHub. This is applicable to the criteria as it evaluates and assess the effectiveness of the test plan (testing) and includes an explanation of the choice of test data and data type applied and used. |

**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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| 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) |

**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 |
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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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| 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) |