**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.**

|  |
| --- |
| <https://github.com/EmperorDan/Database/blob/master/Database.md#erd>  <https://github.com/EmperorDan/Database/blob/master/Database.md#user-stories>  <https://github.com/EmperorDan/Database/blob/master/Database.md#system-requirements> |
| After clicking the link my evidence will show at the top of the page. I have provided a ERD diagram that is the design for my ‘REDTEAM’ vs ‘BLUETEAM’ character Database. I have also provided the User stories and System requirements that form the framework of my database’s design. |

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

|  |
| --- |
| <https://github.com/EmperorDan/Database/blob/master/RED%26BLUE_TEAM.accdb> |
| Provided is a link to my full database document. I have achieved the desired outcome by includingevidence of user interface, output and data validations, and querying across multiple tables. |

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

|  |
| --- |
| <https://github.com/EmperorDan/Database/blob/master/Database.md#sql-commands> |
| I have explained the process of building, and editing using SQL. |

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

|  |
| --- |
| <https://github.com/EmperorDan/Database/blob/master/Database.md#test-plan> |
| I have provided a test plan explaining the processes I used and how they succeeded, or failed. |

**P5 Produce technical and user documentation.**

|  |
| --- |
| <https://github.com/EmperorDan/Database/blob/master/User%20Manual.md> |
| I have created a user manual detailing, and explaining my Database. It includes screenshots showing the features my database has to offer. |

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

|  |
| --- |
|  |
| 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.**

|  |
| --- |
|  |
| 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 |

**M3 Assess whether meaningful data has been extracted through the use of query tools to produce appropriate management information.**

|  |
| --- |
|  |
| 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 |

**M4 Assess the effectiveness of the testing, including an explanation of the choice of test data used.**

|  |
| --- |
|  |
| 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 |

**M5 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.**

|  |
| --- |
|  |
| 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 |

**D1 Assess the effectiveness of the design in relation to user and system requirements.**

|  |
| --- |
|  |
| 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 |

**D2 Evaluate the effectiveness of the database solution in relation to user and system requirements, and suggest improvements.**

|  |
| --- |
|  |
| 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 |

**D3 Assess any future improvements that may be required to ensure the continued effectiveness of the database system.**

|  |
| --- |
|  |
| 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 |