**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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| This link will take you to a Repository where it shows the tools and techniques I used to create my database, the user stories I used to create my database, the data dictionary I used to display my character skills and finally my Entity relationship diagram which I used to show what type of relationship the skills can characters had with each other.  <https://github.com/George-Haughton/Database/blob/master/README.md#relational-database-system> |

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

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| This link will show you screenshots of my reports of tables, forms of my tables and data validations of my table.  <https://github.com/George-Haughton/Database/blob/master/README.md#forms> |

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

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| This link will show the SQL code I used within my database to create tables, select data, delete data, insert data and update data within my tables.  <https://github.com/George-Haughton/Database/blob/master/README.md#sql-code> |

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

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| This link will show you the test plan I made that I followed when I was testing my database, additionally, the link will also show screenshots of my testing my database.  <https://github.com/George-Haughton/Database/blob/master/README.md#test-plan> |

**Produce technical and user documentation.**

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| This link will walk you through things like what are database systems for, what I used my database for, what tools I used within my database, risk and contingencies within my database, design decisions, influences, security of my database and maintenance and performance of my database.  <https://github.com/George-Haughton/Database/blob/master/README.md#user-and-technical-documentation> |

**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 |

**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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**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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