Database Assignment

### Purpose and End User of my database

|  |
| --- |

### Describe at least 3 implications that are relevant to your database and its use by the end user and why they are important

|  |
| --- |

### Database Design- Your Entity Relationship Diagram.

|  |
| --- |

### Database Testing Table: SQL Statements

| **Purpose** | **SQL Statement** | **Result Success?** |
| --- | --- | --- |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

### Relevant Implications- Explain how your database addresses the relevant implications that you identified at the start.

|  |
| --- |

### Showcase:

Give evidence of your database and the Python code that interfaces with it. Use screenshots or a short video. Explain how it improved, how it functions, how it was tested etc.

|  |
| --- |

**Teacher Checklists:**

**AS91879- Develop a digital outcome to manage data**

**Credits: 4**

**NZQA:** <https://www.nzqa.govt.nz/nqfdocs/ncea-resource/achievements/2019/as91879.pdf>

| Achieved- Develop a digital outcome to manage data | **Evidence** |  |
| --- | --- | --- |
| using appropriate tools and techniques to structure, organise, query and present data for a purpose and end user |  |  |
| applying appropriate data integrity and testing procedures |  |  |
| describing relevant implications. |  |  |
| Merit- Develop an informed digital outcome to manage data |  |  |
| using information from testing procedures to improve the quality and functionality of the outcome |  |  |
| structuring, organising and querying the data logically |  |  |
| addressing relevant implications. |  |  |
| Excellence- Develop a refined digital outcome to manage data |  |  |
| iterative improvement throughout the development and testing process |  |  |
| presenting the data effectively for the purpose and to meet end-user requirements. |  |  |

**Develop a computer program**

**Credits:** 4 (Internal)

**NZQA:** <http://www.nzqa.govt.nz/nqfdocs/ncea-resource/achievements/2018/as91883.pdf>

| **Achieved**  **Develop a computer program** | **Evidence** |  |
| --- | --- | --- |
| Wrote a program that performs a specific task using a suitable programming language |  |  |
| Set out the program code clearly |  |  |
| Documented the program with comments |  |  |
| Tested and debugged to ensure that it works on a sample of expected cases |  |  |
| **Merit**  **Develop an informed computer program** |  |  |
| Documented the program with variable names and comments that describe code function and behaviour |  |  |
| Following conventions of the chosen programming language |  |  |
| Tested and debugged the program in an organised way to ensure it works on expected and relevant boundary cases |  |  |
| **Excellence**  **Develop a refined computer program** |  |  |
| Ensured the program is a well structured logical solution to the task |  |  |
| Making the program flexible and robust |  |  |
| Comprehensively tested and debugged the program |  |  |

Comments:

Final grades will be decided using professional judgement based on a holistic examination of the evidence provided against the criteria in the Achievement Standard.