**Databases**

**Applications**

**Applications –** Stores all information entered throughout the submit resume/application form also including an auto-incrementing primary key of application\_id.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Application\_id** | **Firstname** | **Lastname** | **Address1** | **Address2** | **State** | **Postcode** | **Phonenumber** | **Email** | **citizen** | **application** |
| INT(11) | VARCHAR(55) | VARCHAR(55) | VARCHAR(55) | VARCHAR(55) | VARCHAR(55) | INT(11) | INT(11) | VARCHAR(55) | VARCHAR(55) | text |

**Students**

**Guardians –** Stores information regarding the parental information of each student, with student\_id being foreign key assigned to the Students table within the same database.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Student\_id** | **First\_name** | **Last\_name** | **Email\_address** | **Phone\_number** |
| INT(11) | VARCHAR(55) | VARCHAR(55) | VARCHAR(55) | VARCHAR(20) |

**Instruments –** Stores information regarding what student plays what instrument, with student\_id being foreign key assigned to the Student table within the same database.

|  |  |
| --- | --- |
| **Student\_id** | **Instrument** |
| INT(11) | VARCHAR(55) |

**Students –** Stores information regarding what details are recorded within a student account once the registration process has been completed. It is noted that passwords are stored and encrypted using BCRYPT providing a one way 255-character hash to provide maximum security for the user.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Student\_id** | **Email\_address** | **Password** | **First\_name** | **Last\_name** | **date\_of\_birth** | **Registration\_date** | **active** |
| INT(11) | VARCHAR(55) | CHAR(255) | VARCHAR(55) | VARCHAR(55) | DATE | TIMESTAMP | TINYINT(1) |

**Bookings**

**Bookings –** Stores information regarding what data is entered in the booking form including what timeslot is selected from the availability calendar. Also records the students ID from their current logged in session and the teacher ID from the associated teacher calendar selected.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Booking\_id** | **Date** | **Start** | **Name** | **Email** | **Phone** | **Student\_id** | **Teacher\_id** |
| INT(100) | Date | Time | VARCHAR(55) | VARCHAR(55) | VARCHAR(20) | INT(11) | INT(11) |

**Instruments**

**Instruments –** Stores information regarding the booking and sale of Instruments including a picture to be displayed.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Number** | **Name** | **Model** | **Type** | **Price** | **Image** | **Quality** |
| INT(255) | VARCHAR(255) | VARCHAR(255) | VARCHAR(255) | VARCHAR(255) | VARCHAR(255) | VARCHAR(255) |

**Teachers**

**Instruments –** Stores information regarding what instrument\_id is assigned to which instrument.

|  |  |
| --- | --- |
| **Instrument** | **Instrument\_id** |
| INT(11) | VARCHAR(55) |

**Teachers**

**Public Info –** Stores all public information (available on teacher profile) regarding what data is captured throughout the teacher registration process, including a photo, instrument preferences and their current availability to be integrating into bookings.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Teacher\_id** | **Name** | **Gender** | **Age** | **Language** | **Type** | **Instrument** | **Email** | **Availability** | **image** |
| INT(11) | VARCHAR(255) | VARCHAR(255) | INT(11) | VARCHAR(255) | VARCHAR(255) | VARCHAR(255) | VARCHAR(255) | TEXT | VARCHAR(255) |

**Teachers –** Stores information regarding what data is associated with a teacher login account including their password, registration date and if the account is active or not. It is noted that passwords are stored and encrypted using BCRYPT providing a one way 255 character hash to provide maximum security for the user.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Teacher\_id** | **Email\_address** | **Password** | **First\_name** | **Last\_name** | **Date\_of\_birth** | **Registration\_date** | **Active** |
| INT(11) | VARCHAR(55) | CHAR(255) | VARCHAR(55) | VARCHAR(55) | DATE | TIMESTAMP | TINYINT(1) |

**Instruments –** Contains which instrument that teacher plays as well as their associated teacher ID.

|  |  |
| --- | --- |
| **Teacher\_id** | **Instrument** |
| INT(11) | VARCHAR(55) |

**Staff**

**Staff –** Contains login credential and captured data through the registration form to create an owner/administrator level account.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Staff\_id** | **Email\_address** | **Password** | **First\_name** | **Last\_name** | **Date\_of\_Birth** | **Registration\_date** | **Active** |
| INT(11) AUTO INCREMENT | VARCHAR(55) | CHAR(255) | VARCHAR(55) | VARCHAR(55) | Date | Timestamp | Tinyint(1) |

**Feedback**

**Feedback –** Contains the feedback that students can provide to their teacher as well as their associated teacher and student ID’s.

|  |  |  |  |
| --- | --- | --- | --- |
| **Teacher\_id** | **Student\_id** | **Feedback** | **Date** |
| INT(11) | INT(11) | VARCHAR(255) | timestamp |

**Staff\_Feedback -** Contains the feedback that teachers can provide to the administrators/owners of the website as well as their associated teacher and student ID’s.

|  |  |  |
| --- | --- | --- |
| **Teacher\_id** | **Date** | **Feedback** |
| INT(11) | TIMESTAMP | text |