**Databases**

**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.

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

**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) |

**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) |