**ASSIGNMENT 2**

**Dedicated Piano Services Model**

**MEMBERS:**

**YAKSH SHARMA**

**ED SHENG**

**HANS KANG**

**DATABASE CREATION**

**Section:321**

**Group Number:1**

Database Creation Instructions

To create the database for the backend functioning of the application follow the following steps:

1. Download the assignment2-create.sql file.
2. Open the command prompt as an administrator.
3. Locate the download location of the file mentioned in step 1 and navigate to the file location using ‘cd locationofthefile’ command.
4. Now enter the following command into the cmd: ‘sqlplus / as sysdba’. This command connects to the oracle as the database administrator.
5. This will connect you as the system administrator for oracle.
6. Now type in the command ‘@assignment2-create.sql’. This will execute the sql file creating all the tables and necessary procedures and triggers. This will also insert the test data into the database.
7. Now we have all the necessary backend database structures tos start the application.
8. The user can optionally use sqldeveloper to look at the visual representation of the data. This can be done by making a new connection with ‘kang0057User’ as the username and ‘kang0057Password’ as the password.
9. The database built for Piano Tuning service in Oracle is highlighted below.

A screenshot of a computer

Description automatically generated

**Some features of the database:**

* **The names are divided into first name and last name. The history for each is kept and stored.**
* **Similarly, other tables also have fields that have their history stored.**
* **There are triggers placed on the views to make the DML on the views.**