**Panda Music Database Application**

**Overview**

The Panda Music Database application is designed for efficient cataloging and management of various aspects of music. It provides a user-friendly interface for adding and relating albums, genres and various artists such as bands, individual artists, producers and writers. It also has reports, providing insights into certain data.

**Data**

The database allows users to add, store and gain insights into the following data for the following entities. Genres’ have a name and description. Albums have a title, release year, number of songs and duration in minutes. Artists store first and last names, country, band name and the number of grammy wins. Also, there are various sub types of artists which can store additional information which is unique to their field. Bands formation year and number of members. Individual artists’ stage name, year of birth and debut year. Writers’ publishing company, writer type (lyricist, composer, etc.) and language of lyrics. Producers’ specialization (sound engineer, executive producer, etc.) and studio which they are associated with.

**Reports**

There are various reports available to gain insight into the data stores. Included is albums summary by genre, all albums with their artists and genres, all artists with grammy wins ordered by number of grammies and band information.

**Forms**

There is a main form for adding artists and within that form a sub form pop-up to add sub artist information. There forms for connecting various artist types with albums they have worked on. There are also forms for adding and relating genres to albums and albums to artists.

**Instructions**

Also provided are instructions for installation and backing up the database. As well as how to use the application.