2.0 Detailed Database Design Document

2.1 Project Description

2.1.1 Project Description

John Hardy and Joey Martinez are working on a music database project in which we will store information about music, which includes songs, albums, groups, and genres.

2.1.2 Database Engine Used

MySQL Database Management System

2.1.3 Potential Users

Those who are audiophiles, or anyone who just casually enjoys music will likely use this database.

2.2 Data Dictionary

Table Examples:

|  |  |  |
| --- | --- | --- |
| **Genre** | | |
| **Name** | **Related To** | **Key Groups** |
| Electronic | Synthwave, Retrowave, Chillwave | HOME, ALLISON, MOON |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Album** | | | | | |
| **Name** | **Publisher** | **Publish Date** | **Cover Art** | **Songs** | **Key Groups** |
| Odyssey | Electronic Gems | Dec 2, 2017 | CoverArt.png | Resonance, Odyssey, Way Shape and Form | HOME |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Song** | | | | |
| **Name** | **Length** | **Explicit?** | **File** | **Key Groups** |
| Resonance | 4:35 | False | Resonance.mp3 | HOME |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Group** | | | | |
| **Name** | **Number of Members** | **Genres** | **Albums** | **Songs** |
| HOME | 1 | Synthwave, Retrowave, Chillwave | Odyssey | Odyssey, Resonance, Hold |

2.3 Entity-Relationship Diagram