Diagram

Table Structure Diagram

```
+-------------+---------------+----------+----------+-------------+
|                            ARTIST                               |
+-------------+---------------+----------+----------+-------------+
|  Field      |    Type       |   Null   |   Key    |   Default   |
+-------------+---------------+----------+----------+-------------+
| ID_Artist   |    INT        |    NO    | Primary  |    NULL     |
| Name        | VARCHAR(50)   |   YES    |          |    NULL     |
| Style       | VARCHAR(50)   |   YES    |          |    NULL     |
| Country     | VARCHAR(50)   |   YES    |          |    NULL     |
|Start_Date   | Date          |   YES    |          |    NULL     |
| Gender      | VARCHAR(50)   |   YES    |          |    NULL     |
+-------------+---------------+----------+----------+-------------+
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                    |
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                    |
                    v
+-------------------+---------------+---------+----------+-------------+
|                              ALBUM                                   |
+-------------------+---------------+---------+----------+-------------+
|  Field            |    Type       |  Null   |   Key    |  Default    |
+-------------------+---------------+---------+----------+-------------+
| ID_Album          |    INT        |   NO    | Primary  |   NULL      |
| Album_Title       | VARCHAR(50)   |  YES    |          |   NULL      |
| Album_Release_Date|    Date       |  YES    |          |   NULL      |
| Album_Type        | VARCHAR(50)   |  YES    |          |   NULL      |
| Record_Company    | VARCHAR(50)   |  YES    |          |   NULL      |
| Collaborations    | VARCHAR(50)   |  YES    |          |   NULL      |
| ID_Artist         | INT           |   NO    | Foreigne |   NULL      |
+-------------------+---------------+---------+----------+-------------+
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                    v
+-------------------+---------------+---------+----------+-------------+
|                               Song                                  |
+-------------------+---------------+---------+----------+-------------+
|  Field            |    Type       |  Null   |   Key    |  Default    |
+-------------------+---------------+---------+----------+-------------+
| ID_Song           |    INT        |   NO    | Primary  |   NULL      |
| Song_Title        | VARCHAR(50)   |  YES    |          |   NULL      |
| Song_Release_Date |    Date       |  YES    |          |   NULL      |
| Duration          | Time          |  YES    |          |   NULL      |
| Language          | VARCHAR(50)   |  YES    |          |   NULL      |
| Nb_Listening      |    INT        |  YES    |          |   NULL      |
| ID_Album          | INT           |   NO    | Foreigne |   NULL      |
+-------------------+---------------+---------+----------+-------------+
```

ER Diagram

```
+-------------------+              _             +-------------------+              _             +-------------------+
|      ARTIST       |            /   \           |      ALBUM        |            /   \           |       SONG        |
+-------------------+  (0,n)    /     \   (1,1)   +-------------------+  (1,n)    /     \   (1,1)   +-------------------+
| ID_Artist (PK)    | ---------/ Produce \--------| ID_Album (PK)     | ---------/  Has  \----------| ID_Song (PK)      |
| Name              |          \       /          | Album_Title       |          \      /           | Song_Title        |
| Style             |           \     /           | Album_Release_Date|           \    /            | Song_Release_Date |
| Country           |            \   /            | Album_Type        |            \  /             | Duration          |
| Start_Date        |             \_/             | Record_Company    |             \_/             | Language          |
| Gender            |                             | Collaborations    |                             | Nb_Listening      |
+-------------------+                             +-------------------+                             +-------------------+
```