



USER MANUAL

SONGS

This is a database program that can create and save text files with songs. Existing databases can also be loaded into the memory the songs are saved with 7 parameters.

Title, artist, album, genre, release year, duration and rating. With the help of different functions in the program we can perform different operations on the database.

For better understanding, first we should know the scope of the program.

- Create a new database
- Store data entries in the form of songs
- Load the existing data base
- Search for a particular song in database with any one of the given parameters
- Inserting new songs into the database
- Print out the whole database
- The program is capable of recommending songs of a given genre
- The program can find out the most popular songs present in the database
- The program also consists of a timer function that controls transitions on the console screen for smoother output.

So the program starts from Main Menu and goes into sub-menus and each sub-menu has the option to come back to the Main Menu or Exit by entering [Y/N].

1.0 Main Menu

```
*****
*                               *
*          *SONGS DATABASE*     *
*          *****             *
*****

-----
|                               |
|          MAIN MENU          |
|                               |
-----

1.Search a song
2.Add a song
3.List all songs
4.Create a new Database for songs (only use this if Database Doesn't exist)
5.List Popular Songs
6.Get a song Recommendation
7.Exit

Enter your choice(1-7):
```

Which leads to 7 possible options

1.1 Search a song

```
|-----|
| Song Search Menu |
|-----|

1.Search by name
2.Search by Artist
3.Search by Album
4.Search by Genre
5.Search by Release Year
6.Search by Duration
7.Search by Rating

Enter your choice(1-7):
```

1.1.1 Search by name

```
|-----|
| Song Search Menu |
|-----|

1.Search by name
2.Search by Artist
3.Search by Album
4.Search by Genre
5.Search by Release Year
6.Search by Duration
7.Search by Rating

Enter your choice(1-7):1

Enter Title of song:
```

So on, we have 6 more options till **1.1.6**

1.2 Add a Song

```

-----
|                               Song Entry Portal                               |
-----

Enter Title of the song :
Enter Artist of the song :
Enter Album of the song :
Enter Genre of the song :
Enter Release Year of the song :
Enter Duration of the song (format mins:sec) :
Enter Rating of the song(0.0-5.0) :

```

1.3 List all Songs

```

go flex | post malone | stoney | hip-hop | 2016 | 3:10 | 4.2 |
chlorine | 21pilots | trench | rock | 2018 | 3:30 | 3.3 |
crashing | illenium | ascend | electronic | 2018 | 3:40 | 3.6 |
bellyache | bellie eilish | dont smile at me | indie | 2017 | 2:59 | 4.3 |
too young | post malone | stoney | pop | 2016 | 3:57 | 4.2 |
watermelon sugar | harry styles | fine line | pop | 2019 | 3:09 | 4.1 |
watch | billie eilish | dont smile at me | indie | 2017 | 2:56 | 3.8 |
ocean eyes | billie eilish | dont smile at me | indie | 2017 | 3:20 | 4.6 |
aadat | atif aslam | jal pari | pop | 2003 | 4:28 | 4.8 |
psycho | post malone | beerbongs & bentleys | rock | 2018 | 3:41 | 3.5 |
| | | | | | |
Do you want to go to MAIN MENU? [Y/N]_

```

you can see the whole database is listed on the console screen.

‘Y’ will take program back to main menu and ‘N’ will terminate the program.

1.4 Create a New Database

```
Database already exist

Do you want to go to MAIN MENU? [Y/N]n

Terminating the Program...
Process returned 0 (0x0)   execution time : 15.278 s
Press any key to continue.
```

1.5 List Popular Songs

```
Searching...

aadat |atif aslam |jal pari |pop |2003 |4:28 |4.8 |

Do you want to go to MAIN MENU? [Y/N]
```

1.6 Get a Song Recommendation

```
Enter the Desired Genre : indie

Searching...

ocean eyes | billie eilish | dont smile at me | indie | 2017 | 3:20 | 4.6 |

Do you want to go to MAIN MENU? [Y/N]_
```

1.7 Exit

```
Terminating the Program...
Process returned 0 (0x0)   execution time : 281.100 s
Press any key to continue.
_
```