

Project: “Songs”

The user guide documentation

The program starts with a greeting message which also explains what this program does. It stores some information about songs in a file called “Playlist.txt”. The instructions for the user on how to use this program also displayed on the screen at the beginning. After the user reads the description, a menu is also displayed on the screen. It has 6 options. After the user has selected an option and entered all the necessary data, the menu appears again and allows the user to select the option and enter the data again. This continues until the "stop" option is selected.

*Each song should contain the following data title of the song, name of the performer (singer or group), the title of the album it was released on, year of release, a genre of the music (rock, pop, hip-hop, jazz, classical, etc.), length of song (in minutes and seconds).

Option 1. “Add and save a song in database”

The program asks the user to enter all the necessary information about the song*. All that data must be entered in the appropriate sequence. Every type of information has to be separated when the user presses “Enter”. The year of release must be in integer data type, the minutes and seconds must also be in integer data type and not bigger than 59. Otherwise, the user will be notified about the error and the program again starts a new cycle (from the menu). The entered data then must be saved in the database.

Option 2. “Display all songs of a user-selected artist”

After the user has selected this option, the program asks the user to enter the name of the desired artist. If there is such an artist in the database, then the program displays all the songs performed by this artist. The program displays only the song titles, separating them line by line (one line = one title). If there is no such performer in the database, then the user will be notified with an error message about it. Then a new cycle begins.

Option 3. “Display all details of the songs of a user-selected album”

The program asks the user to enter the title of the sufficient artist and album. If there is such an artist and album in the database, then the program displays all the songs

released in this album. And not only the titles of the songs but also all the other necessary data*. The program displays information about the song in such a way that one line contains no more than one type of information (one line = one type of data). There also is one empty line between songs. If there is no such album in the database, then the user will be notified with an error message about it. Then a new cycle begins.

Option 4. “List all songs that were released in a user-selected year”

After the user has selected this option the program asks the user to enter the required year. If there are such songs released this year in the database, then the program displays all those songs with all related information about them*. The program displays information about the song in such a way that one line contains no more than one type of information (one line = one type of data). There also should be an empty line between songs. If there is no such year in the database, then the user will be notified with an error message about it. Then a new cycle begins.

Option 5. “List all songs (title, performer, album, release year) of a user-selected genre”

After the user has selected this option the program asks the user to enter the desired genre. If there are such songs with this genre in the database, then the program should display all those songs with all related information about them*. The program displays information about the song in such a way that one line contains no more than one type of information (one line = one type of data). There also will be an empty line between songs. If there are no such songs with this genre in the database, then the user will be notified with an error message about it. Then a new cycle begins.

Option 6. “Stop the program”

After the user has selected this option, a message of gratitude about the use of this program should appear on the screen and then the program terminates (return 0).