Music Playlist Management Application

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User Guide

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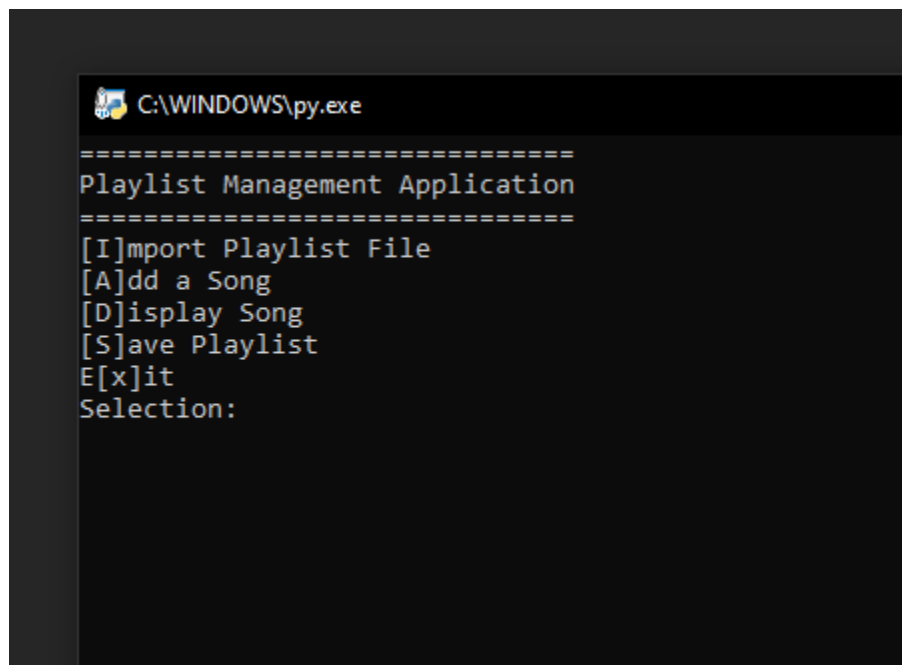
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Introduction

Welcome to the user guide for the **Playlist Management Application**, the purpose of this document is to assist and demonstrate how to use the application. The **Playlist Management Application** mainly operates around the ability to add songs to the playlist through interactive text menus. At any point that the user has completed their playlist, they are given the option to save all the songs they entered to a CSV file of their choosing. The option to import an external CSV Playlist file and add additional song items to it is also available. Throughout the application, the user can display the items they have added to their playlist through an in-application menu option.

Guide - Playlist Management Application

Main Menu Selections

After launching the application, a menu will be presented to the user, there should be five available menu options. For each option, there will be an enclosed letter in a pair of square brackets **[ ]** these are the inputs needed to perform a selection. *Note the enclosed square brackets are not needed and will result in an error if included in user input.*

Screenshot of Main Menu Below

Screenshot of Invalid Menu Selection Below

At the bottom of the main menu (after the option to exit) is a prompt **Selection:** this is where you will need to enter one of the letters if you wish to navigate to its corresponding area. From here you will receive one of several prompts displayed to you, these are listed below with relevant screenshots and information for each menu option and scenario.

These are Located in the Section Below

Import Playlist File

Upon selecting the option to import a playlist file the user will be presented with a short message indicating what section of the application they have just entered, followed by a request for them to enter an existing CSV file of their choosing.

Screenshot of Initial Import Playlist File Screen Below

From this point, the user must enter a filename to progress *Note: CSV files will need to be entered with the filename follow by .csv for example myplaylist.csv* . Once the user's intended filename has been entered the application will return the user to the menu.

Add a Song

When the user has selected the main menu option to add a song, they will be presented with a short message indicating what section of the application they are currently in, followed by a request for them to enter a song name of their choosing.

Screenshot of Initial Add Song Screen Below

```
================================
Playlist Management Application
================================
[I]mport Playlist File
[A]dd a Song
[D]isplay Song
[S]ave Playlist
E[x]it
Selection: A

Add Song...
Enter Song Title: |
```

From here the user can enter with their keyboard a song title of their choosing, once they have entered their song, they will be presented with a similar prompt requesting the year of release for the previous song.

Screenshot of the Second Step - Add Song Screen Below

```
================================
Playlist Management Application
================================
[I]mport Playlist File
[A]dd a Song
[D]isplay Song
[S]ave Playlist
E[x]it
Selection: A

Add Song...
Enter Song Title: Lorem Impsum
Enter Song Year: |
```

Similar to the last step the user will need to enter a relevant value, however for this step the user needs to enter a valid integer value for the year of the song e.g., *2021*.

If the user happens to enter an invalid value for either this step or the previous one, they will be shown an error. Highlighted in red in the below screenshot is the error message presented to the user.

Screenshot of the Invalid Input- Add Song Screen Below

```
===============================
Playlist Management Application
===============================
[I]mport Playlist File
[A]dd a Song
[D]isplay Song
[S]ave Playlist
E[x]it
Selection: A

Add Song...
Enter Song Title: Lorem Impsum
Enter Song Year: word
Invalid Year! Enter Song Year:
```

Once the user has either entered a valid input for the year they will be sent back to the menu *Note this happens in the case of valid input and a resolved invalid input from the user.*

Display Song

Once the user has entered a correct input to select the display song option they will be presented with a short message, with the contained song details below as demonstrated in the relevant screenshot. *Note: in the screenshot contained below the highlighted sections has been used to indicate the song items this user has imported and or entered.*

Screenshot Display Song Screen Below

```
===============================
Playlist Management Application
===============================
[I]mport Playlist File
[A]dd a Song
[D]isplay Song
[S]ave Playlist
E[x]it
Selection: d

Displaying Playlist Items...
Song Name        Year
Feel Good Inc.   2005
Lorem Impsum     2020
===============================
```

If the user hasn't imported or entered any song items they will simply be displayed the titles for each of the two columns.

Save Playlist

After the user has performed a valid input for the Save Playlist main menu option they will be presented with a short message indicating which section of the application they are in, followed by a prompt for them to choose a filename to save the playlist too. This works the same as the Import Playlist file option.

Screenshot Save Playlist Screen Below

```
===============================
Playlist Management Application
===============================
[I]mport Playlist File
[A]dd a Song
[D]isplay Song
[S]ave Playlist
E[x]it
Selection: S

Saving all Items
Enter filename: |
```

After they have inputted their filename of choosing, the user will be returned to the main menu.

Exit

When the user wishes to exit the application, they will need to enter the letter X, either in lower case or uppercase. When the perform this input the application will display a message announcing that it has been completed, followed by the application to cease running.

Screenshot Exit Screen Below

```
===============================
Playlist Management Application
===============================
[I]mport Playlist File
[A]dd a Song
[D]isplay Song
[S]ave Playlist
E[x]it
Selection: x

Application Successfully Completed...
>>> |
```

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