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***1. Functional Requirements***

*1. Create a user with your data.*

*2. Create a song.*

*3. Update the user's category.*

*4. Create playlist of the three variants (public, restricted and private).*

*5. Average the rating of the public playlist.*

*6. Add songs.*

*7. Update playlist duration.*

*8. Update playlist category.*

*9. Access to the songs in the playlist.*

*10. Show playlist information*

***2. Specific Requirement***

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| ***Name****: Create a user with your data.* |
| ***Summary****: Create a user with the data requested by the application.* |
| ***Inputs****: userName, Age, Category.* |
| ***Result****: The user is created successfully.* |

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| ***Name****: Create a song.* |
| ***Summary****: Create a song with the data requested by the application.* |
| ***Inputs****: Title, Artist, Duration, Genre.* |
| ***Result****: The song is successfully created in the song pool.* |

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| ***Name****: Update the user's category.* |
| ***Summary****: The user's category will be updated according to the number of songs that have entered the MSC song pool.* |
| ***Inputs****: userName.* |
| ***Result****: The user's category is successfully updated.* |

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| ***Name****: Create playlist of the three variants (public, restricted and private).* |
| ***Summary****: A playlist will be created according to the option chosen by the user.* |
| ***Inputs: If you are a private user you must have:***  *• userName.*  *• Title of the playlist*  ***If you are a restricted user, you must have:***  *• The number of users to be entered, as a maximum number of 5 users*  *• Title of the playlist*  ***If you are a public user you must have:***  *• Title of the playlist* |
| ***Result****: The playlist will be created successfully according to the user's choice.* |

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| ***Name****: Average the rating of the public playlist.* |
| ***Summary****: The rating of the public playlist is averaged.* |
| ***Inputs****: userCalification.* |
| ***Result****: The rating of the public playlist is averaged.* |

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| ***Name****: Add songs.* |
| ***Summary****: The song that the user enters will be added to the type of playlist that the user wants.* |
| ***Inputs****: userName, titleSong, titlePlaylist.* |
| ***Result****: The song is added to the preferred playlist.* |

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| ***Name****: Update playlist duration.* |
| ***Summary****: The duration of the playlist will be updated every time the user adds a song from the song pool to the playlist.* |
| ***Inputs****: playlistDuration.* |
| ***Result****: The duration of the playlist is modified.* |

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| ***Name****: Update playlist category.* |
| ***Summary****: The category of the playlist will be updated every time the user adds a song from the song pool to the playlist.* |
| ***Inputs****: songGenre.* |
| ***Result****: The new genre is added to the playlist.* |

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| ***Name****: Access to the songs in the playlist.* |
| ***Summary****: If it is a private playlist, the user who created the playlist is the only one who can see the information, if it is a private playlist, the number of users who entered can see the information of the playlist and if it is a playlist, publish any User can view the playlist information and assign a rating.* |
| ***Inputs****: userName, playlistCalification.* |
| ***Result****: Playlist information is displayed.* |

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| ***Name****: Show playlist information.* |
| ***Summary****: Every time a user wants to enter the playlist, the name of the creator is shown if it is a private or restricted playlist or the average score if it is a public playlist.* |
| ***Inputs****: playlistTitle, userName.* |
| ***Result****: Playlist information is displayed.* |