

Tarea integradora 2

Análisis del problema:

Lista de requerimientos funcionales:

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| Name | R.#1 Create a user with their data. |
| Summary | It allows the user to create more users with all their data. |
| Inputs | |
| Username, password, age and category. | |
| Outputs | |
| The user has been created with an username, a password, age and a category (Newbie). | |

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| Name | R.#2 Show users of the app. |
| Summary | Displays the user's info. |
| Inputs | |
| Username, age and category of the user. | |
| Outputs | |
| The username, age and category of the user is displayed according to the format. | |

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| Name | R.#3 Create a song with their data. |
| Summary | It allows the user to create a song with all their data. |
| Inputs | |
| Title, artist or band name, a release date, a duration, and a genre. | |
| Outputs | |
| The song has been created with a title, the artist or band name, the release date, duration and a genre. | |

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| Name | R.#4 Update a user's category. |
| Summary | Update a user's category as they include songs in the song pool. |
| Inputs | |
| User's actual category, and number of songs. | |
| Outputs | |
| The user's category has been uptaded, it could be newbie, little contributor, mild contributor or star contributor. | |

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| Name | R.#5 Show the songs of the song's pool. |
| Summary | Displays the song's info. |
| Inputs | |
| Title, artist or band name, duration, and genre of a song. | |
| Outputs | |
| The title, artist or band name, duration, and genre of a song is displayed according to the format. | |

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| Name | R.#6 Create a playlist , considering the 3 options. |
| Summary | It allows the user to create a playlist with all their data. |
| Inputs | |
| The name of the playlist and the type. | |
| Outputs | |
| The playlist has been created with a name, a duration (0) and an unknown genre. | |

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| Name | R.#7 Uptade the playlist info. |
| Summary | The duration and genre of a playlist are updated every time a song is added. |
| Inputs | |
| A new song added, the duration and genre of a playlist. | |
| Outputs | |
| The duration and genre of a playlist has been uptaded. | |

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| Name | R.#8 Assign a grade to the public playlist. |
| Summary | It allows the user(s) to rate the playlist. |
| Inputs | |
| A grade between 1 and 5 | |
| Outputs | |
| It will save the average grade. | |

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| Name | R.#9 Show the private playlist info. |
| Summary | Displays the private playlist info. |
| Inputs | |
| Title, duration, genre and the user's (1) name. | |
| Outputs | |
| The title, duration, genre and the user's name of the playlist is displayed according to the format. | |

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| Name | R.#10 Show the restricted playlist info. |
| Summary | Displays the restricted playlist info. |
| Inputs | |
| Title, duration, genre and all the users's names (max 5). | |
| Outputs | |
| The title, duration, genre and the users's names of the playlist is displayed according to the format. | |

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| Name | R.#11 Show the public playlist info. |
| Summary | Displays the public playlist info. |
| Inputs | |
| Title, duration, genre and grade. | |
| Outputs | |
| The title, duration, genre and average grade of the playlist is displayed according to the format. | |