**Functional requirements.**

**Integrative work 2.**

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| Name: | **R.# 1 Create an user in MCS.** |
| Summary: | This makes possible the register of new users in MCS with their information. |
| **Inputs:** | |
| userName, userPassword, age | |
| **Outputs:** | |
| This creates the user, and tells the user if the register was done or not. | |

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| Name: | **R.# 2 Display the user information.** |
| Summary: | This shows the information of all the users. |
| **Inputs:** | |
| userName, age, category | |
| **Outputs:** | |
| This displays the information of the users (their passwords are not included). | |

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| Name: | **R.# 3 Create songs.** |
| Summary: | This creates new songs. |
| **Inputs:** | |
| title, artistName, duration, genreNum | |
| **Outputs:** | |
| This creates the song. | |

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| Name: | **R.# 4 Add songs to the server.** |
| Summary: | This adds the songs created to the server if the user it’s registered. |
| **Inputs:** | |
| title, artistName, duration, genreNum, userName | |
| **Outputs:** | |
| If the user it’s registered and it’s possible, the song will be added. And the method tells the user if the song was added, or if there was any issue. | |

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| Name: | **R.# 5 Check category of an user.** |
| Summary: | This checks the category of an user. |
| **Inputs:** | |
| songsDonated | |
| **Outputs:** | |
| This determinates the category of the users according to their songs donated. | |

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| Name: | **R.#6 Display the songs** |
| Summary: | This shows all the songs in the server. |
| **Inputs:** | |
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| **Outputs:** | |
| This shows the user all the songs. | |

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| Name: | **R.# 7 Create a playlist.** |
| Summary: | Allows the user to create a playlist. |
| **Inputs:** | |
| name | |
| **Outputs:** | |
| This creates the playlist, if the user doesn’t change the name or add a song, it’s going to be “Música para programar” with duration “00:00”, and genre “DESCONOCIDO”. | |

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| Name: | **R.# 8 Add songs to a playlist** |
| Summary: | This allows the user to add a song to a playlist. |
| **Inputs:** | |
| songToAdd, targetPlaylist | |
| **Outputs:** | |
| This will add the song to the playlist if it’s possible, and tells the user if the song was added or not. | |

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| Name: | **R.# 9 Update the duration and gender of a playlist** |
| Summary: | This updates the duration and gender of the playlist. |
| **Inputs:** | |
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| **Outputs:** | |
| This checks the arrays with the songs and genders, then updates the information of the playlist by itself. | |

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| Name: | **R.#10 Add owner user to a private playlist** |
| Summary: | This gives permissions to a user to acces the playlist. |
| **Inputs:** | |
| ownerUser | |
| **Outputs:** | |
| Only this user can acces this playlist. | |

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| Name: | **R.# 11 Add owner users to a restricted playlist.** |
| Summary: | This adds a user to a restricted playlist, so he can access to this playlist. The maximum it’s five users. |
| **Inputs:** | |
| ownerUser | |
| **Outputs:** | |
| This gives permission to an user so he can acces the playlist. | |

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| Name: | **R.# 12 Rate a public playlist** |
| Summary: | This allows the users to rate a public playlist. |
| **Inputs:** | |
| Rate | |
| **Outputs:** | |
| This will add the rate, and show the user the curren trate (with his included). | |

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| Name: | **R.# 13 Display the playlists.** |
| Summary: | This shows the user all the playlists in the server. |
| **Inputs:** | |
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| **Outputs:** | |
| The user will see all the playlists created in the server. | |