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| **Requerimiento Funcional** | **Nombre de la Clase** | **Nombre del método** |
| R1. Register a Producer | Class ProducerArtist | ProducerArtist(String, String, Date, String, String ) |
|  | Class ProducerContentCreator | ProducerContentCreator(String, String, Date, String, String ) |
|  | Class Controller | registerProducer(int, String, String, int, int, int, String, String) |
|  | Class Main | registerProducer(): void |
| R2. Register a Consumer | Class ConsumerStandard | ConsumerStandard(String, String, Date, int, double) |
|  | Class ConsumerPremium | ConsumerPremium(String, String, Date, int, double) |
|  | Class Controller | registerConsumer(int, String, String, int, int, int, int, double): boolean |
|  | Class Main | registerConsumer(): void |
| R3. Register an Audio | Class ProducerArtist | addSong(AudioSong songs): boolean |
|  | Class ProducerContentCreator | addPodcast(AudioPodcast podcasts): boolean |
|  | Class AudioSong | AudioSong(String, String, double, int, double, String, double, int) |
|  | Class AudioPodcast | AudioPodcast(String, String, double, int, double, String, int) |
|  | Class Controller | ShowProducers(int) : String |
|  | Class Controller | registerAudio(int, int, String, String, double, int, double, String, double, int, String, int, AudioSong, AudioPodcast): boolean |
|  | Class Main | registerAudio(): void |
| R4. Create playlist | Class Playlist | Playlist(String, int, String) |
|  | Class ConsumerStandard | addPlaylistSt(Playlist) : Boolean |
|  | Class ConsumerPremium | addPlaylistPm(Playlist) : Boolean |
|  | Class Controller | registerPlaylist(int, int, String, int, String, Playlist): boolean |
|  | Class Controller | ShowConsumers(int) : String |
|  | Class Main | registerPlaylist(): void |
| R5.edit playlist | Class Playlist | addAudio(Audio audios):boolean |
|  | Class Playlist | deleteAudio(Audio audios): boolean |
|  | Class Controller | editPlaylist(int, int, int, String, Audio): boolean |
|  | Class Controller | ShowPlaylists(): String |
|  | Class Main | EditPlaylist(): void |
| R6. Share playlist | Class Controller | SharePlaylist(int, int):boolean |
|  | Class Main | SharePlaylist(): void |
| R7. Play song or podcast | Class Playable | play(): String |
|  | Class AudioSong | play(): String |
|  | Class AudioPodcast | play(): String |
|  | Class Controller | PlayAudio(int, int, int): boolean |
|  | Class Main | PlayAudio(): void |
| R8. Buy a Song | Class ConsumerStandard | addPurchasedSong(AudioSong purchasedSongs): boolean |
|  | Class ConsumerPremium | addPurchasedSong(AudioSong purchasedSongs): boolean |
|  | Class Controller | BuySong(int, int): boolean |
|  | Class Main | BuySong():void |
| R9. Report the total plays in the platform of each audio type | Class Controller | totalAudioPlays() : String |
| R10. Report the most listened to song genre on the entire platform and its number of reproductions | Class Controller | genreMostListened() : String |
| R11. Report the most listened podcast category on the entire platform and its number of reproductions. | Class Controller | categoryMostListened() : String |
| R12. Report the name and total plays of the top 5 artists and content creators. | Class Controller | top5Producers() : String |
| R13. Report the name, genre o category and total plays of the top 10 of songs and podcasts. | Class Controller | Top10Audios(): String |
| R14. Of each genre, report the number of songs sold and the total value of sales | Class Controller | selledSongs() : String |
| R15. Of the most selled song on the platform, report the total number of sales and the total sale value | Class Controller | +mostSelledSong() : String |
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