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| **Requerimiento Funcional** | **Nombre de la Clase** | **Nombre del método** |
| **register a producer user** | Main | executeOption(int option): void |
| MusicAppController | registerProducer(String nickname , String id,String url, String name,int option): String |
| MusicAppController | searchUser(String nickname): User |
| User | Add() |
| register a consumer user | Main | executeOption(int option): void |
| MusicAppController | registerConsumer(String nickname , String id ,int option): String |
| MusicAppController | searchUser(String nickname): User |
| User | Add() |
| register song or Podcast | Main | executeOption(int option): void |
| MusicAppController | registerSong (String nickname,String name, String url, int duration, String album, double price, int typeSong): String |
| MusicAppController | registerPodcast (String nickname,String name, String url, int duration, String description, int typePodcast): String |
| MusicAppController | searchUser(String nickname): User |
| MusicAppController | searchAudio(String name): Audio |
| artist | Add() |
| creator | Add() |
| register playlist | Main | executeOption(int option): void |
| MusicAppController | registerPlaylist(String nickname,String name,int option): String |
| MusicAppController | searchUser(String nickname): User |
| MusicAppController | generateMatriz(): int |
| MusicAppController | generateCode(option, matriz): String |
| MusicAppController | generateNumber(): int |
| Standard | addPlaylist (String name, int[][] matriz, String code,int option): Boolean |
| Premium | addPlaylist (String name, int[][] matriz, String code,int option) :boolean |
| Standard | searchPlaylist(String name): Playlist |
| Standard | availablePlaylist(): Boolean |
| Premium | searchPlaylist(String name): Playlist |
| edit playlist | Main | executeOption(int option): void |
| MusicAppController | editAudioPlaylist(int option,String nickname,String namePlaylist, String audio): String |
| MusicAppController | searchAudio(String name): Audio |
| MusicAppController | searchUser(String nickname): User |
| Standard | addAudioPlaylist(String namePlaylist,int typeAudio, Audio audio, String audioName): String |
| Premium | addAudioPlaylist(String namePlaylist,int typeAudio, Audio audio, String audioName): String |
| Standard | searchPlaylist(String name): Playlist |
| Playlist | typePlaylist(int type): int |
| Playlist | searchAudio(String name): boolean |
| Premium | searchPlaylist(String name):Playlist |
| Playlist | Add() |
| Standard | delateAudio(Audio auido, String namePlaylist, String audioName): String |
| Premium | delateAudio(Audio auido, String namePlaylist, String audioName): String |
| Playlist | Remove() |