| CLIENT | NeoTunes |
| --- | --- |
| USER | System administrators |
| FUNCTIONAL REQUIREMENTS | R1. Add produce user  R2. Add consumer user  R3. Register song  R4. Register podcast  R4. Create playlist  R5. Edit playlist |
| CONTEXT OF THE PROBLEM | NeoTunes needs a system that manages the business model of user subscriptions and song sales |
| NON-FUNCTIONAL REQUIREMENTS |  |

| **Name or identifier** | **R1 - Add produce user** | | |
| --- | --- | --- | --- |
| **Abstract** | **A producer user must be registered** | | |
| **Inputs** | **Input name** | **Data type** | **Selection or repetition condition** |
| **typeProducerUser** | **String** |  |
| **nickname** | **String** |  |
| **id** | **String** |  |
| **name** | **String** |  |
| **url** | **String** |  |
| **General activities necessary to obtain the results** | * **It is consulted if the person's identifier is not found in the system** * **It is consulted if the user is an artist or creator of content and according to the type the corresponding record will be made** | | |
| **Result or postcondition** | **The produce user will be added in the system** | | |
| **Outputs** | **Output name** | **Data type** | **Selection or repetition condition** |
| **msj** | **String** |  |

| **Name or identifier** | **R2 - Add consumer user** | | |
| --- | --- | --- | --- |
| **Abstract** | **A consumer user must be registered** | | |
| **Inputs** | **Input name** | **Data type** | **Selection or repetition condition** |
| **typeConsumerUser** | **int** |  |
| **nickname** | **String** |  |
| **id** | **String** |  |
| **General activities necessary to obtain the results** | * **It is consulted if the person's identifier is not found in the system** * **It is consulted if the user is standard or premium and according to the type the corresponding registration will be made** | | |
| **Result or postcondition** | **The consumer user will be added in the system** | | |
| **Outputs** | **Output name** | **Data type** | **Selection or repetition condition** |
| **msj** | **String** |  |

| **Name or identifier** | **R3 - Register song** | | |
| --- | --- | --- | --- |
| **Abstract** | **A song must be registered in the system** | | |
| **Inputs** | **Input name** | **Data type** | **Selection or repetition condition** |
| **name** | **String** |  |
| **duration** | **double** |  |
| **url** | **String** |  |
| **album** | **String** |  |
| **gender** | **SongGender** |  |
| **price** | **double** |  |
| **idArtist** | **String** |  |
| **General activities necessary to obtain the results** | * **It is queried if the producer user is in the system** * **It is queried if the producer user is an artist** * **It is consulted if the song is not in the system** * **The song is added to the system** | | |
| **Result or postcondition** | **The song will be registered in the system** | | |
| **Outputs** | **Output name** | **Data type** | **Selection or repetition condition** |
| **msj** | **String** |  |

| **Name or identifier** | **R3 - Register podcast** | | |
| --- | --- | --- | --- |
| **Abstract** | **A podcast must be registered to the system** | | |
| **Inputs** | **Input name** | **Data type** | **Selection or repetition condition** |
| **name** | **String** |  |
| **duration** | **double** |  |
| **url** | **String** |  |
| **description** | **String** |  |
| **category** | **PodcastCategory** |  |
| **idCreatorContent** | **String** |  |
| **General activities necessary to obtain the results** | * **It is queried if the producer user is in the system** * **It is queried if the producer user is a content creator** * **It is consulted if the podcast is not in the system** * **The podcast is added to the system** | | |
| **Result or postcondition** | **The podcast will be registered in the system** | | |
| **Outputs** | **Output name** | **Data type** | **Selection or repetition condition** |
| **msj** | **String** |  |

| **Name or identifier** | **R1 - Create playlist** | | |
| --- | --- | --- | --- |
| **Abstract** | **A playlist must be created on the system** | | |
| **Inputs** | **Input name** | **Data type** | **Selection or repetition condition** |
| **idConsumerUser** | **String** |  |
| **name** | **String** |  |
| **General activities necessary to obtain the results** | * **It is queried if the user is in the system** * **Query if the user is a consumer user** * **If the consumer user is standard, the number of playlists they have is consulted to determine if more can be added, if so, the playlist is registered** * **If the consuming user is premium, the playlist is added** | | |
| **Result or postcondition** | **The playlist will be registered in the system** | | |
| **Outputs** | **Output name** | **Data type** | **Selection or repetition condition** |
| **msj** | **String** |  |

| **Name or identifier** | **R1 - Edit playlist** | | |
| --- | --- | --- | --- |
| **Abstract** | **A system playlist must be edited** | | |
| **Inputs** | **Input name** | **Data type** | **Selection or repetition condition** |
| **idConsumerUser** | **String** |  |
| **namePlaylist** | **String** |  |
| **nameAudio** | **String** |  |
| **General activities necessary to obtain the results** | * **It is queried if the audio is registered in the system** * **Check if the user is registered in the system** * **It is queried if the user is a consumer user** * **Check if the playlist is registered in the system** * **It is consulted if the audio is already registered in the playlist, if not, it will be registered** | | |
| **Result or postcondition** | **The playlist will be edited in the system** | | |
| **Outputs** | **Output name** | **Data type** | **Selection or repetition condition** |
| **msj** | **String** |  |