|  |  |  |
| --- | --- | --- |
| **Functional requirement** | **Class Name** | **Method name** |
| **R-F1:** Register a Producer User (Artist; Content Creator) | Class User |  |
| Class Producer |  |
| Class Artist |  |
| Class ContentCreator |  |
| Class NeoTunesManager | showMainMenu(): void  registerUser(): void  registerProducer(): void |
| Class NeoTunesController |  |
| **R-F2:** Register a Consumer User (Premium, Standard) | Class User |  |
| Class Consumer |  |
| Class Premium |  |
| Class Standard |  |
| Class NeoTunesManager | showMainMenu(): void  registerUser(): void  registerConsumer(): void |
| Class NeoTunesController |  |
| **R-F3:** Register Songs and Podcasts | Class Audio |  |
| Class Songs |  |
| Class Podcast |  |
| Class NeoTunesManager | showMainMenu(): void  registerAudio(): void |
| Class NeoTunesController |  |
| **R-F4:** Create a Playlist | Class Playlist |  |
| Class Consumer |  |
| Class Premium |  |
| Class Standard |  |
| Class NeoTunesManager |  |
| Class NeoTunesController |  |
| **R-F5:** Edit a Playlist | Class Playlist |  |
| Class Consumer |  |
| Class Premium |  |
| Class Standard |  |
| Class NeoTunesManager |  |
| Class NeoTunesController |  |
| **R-F6:** Share a Playlist | Class NeoTunesManager |  |
| Class NeoTunesController |  |
| **R-F7:** Simulate playing a song or podcast |  |  |
| Class NeoTunesManager |  |
| Class NeoTunesController |  |
| **R-F8:** Buy a Song |  |  |
| Class NeoTunesManager |  |
| Class NeoTunesController |  |
| **R-F9:** Report the total accumulated reproductions for each type of audio |  |  |
| Class NeoTunesManager |  |
| Class NeoTunesController |  |
| **R-F10:** Report the most listened song genre for a user |  |  |
| Class NeoTunesManager |  |
| Class NeoTunesController |  |
| **R-F11:** Report the most listened song genre for the entire platform |  |  |
| Class NeoTunesManager |  |
| Class NeoTunesController |  |
| **R-F12:** Report the most listened podcast category for a user |  |  |
| Class NeoTunesManager |  |
| Class NeoTunesController |  |
| **R-F13:** Report the most listened podcast category for the entire platform**.** |  |  |
| Class NeoTunesManager |  |
| Class NeoTunesController |  |
| **R-F14:** Report the most listened podcast category for the entire platform**.** |  |  |
| Class NeoTunesManager |  |
| Class NeoTunesController |  |
| **R-F15:** Report the Top 5 Artist and Top 5 Content Creators (Name and total views) |  |  |
| Class NeoTunesManager |  |
| Class NeoTunesController |  |
| **R-F16:** Report the Top 10 Songs and Top 10 Podcasts (Name and total views) |  |  |
| Class NeoTunesManager |  |
| Class NeoTunesController |  |
| **R-F17:** Report the Songs sold and the total sales value (by genre) |  |  |
| Class NeoTunesManager |  |
| Class NeoTunesController |  |
| **R-F17:** Report the number of sales and the total sales value of the best-selling song |  |  |
| Class NeoTunesManager |  |
| Class NeoTunesController |  |