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| Test Cases | Test Data | Expected Result | Test Result | Pass/Fail |
| Test Case 1.  Verify that the addArtist function works | "569MMMRR\_%", "John Doe", "Houston|TX|USA", "15-05-1995",  "This is the bio of the best artist in the world."  Occupations: “singer”  Genres: “rock, kpop”  Awards: “"2022, Best Song for Visual Media and Beyond" | No Error | No Error | Pass |
| Test Case 2. | Bio: ”Short Bio” | Validation Error: Bio should be between 10 and 30 words. | Validation Error: Bio should be between 10 and 30 words. | Pass |
| Test Case 3 | ID: “56A” | Validation Error: Artist ID should be exactly 10 characters long. | Validation Error: Artist ID should be exactly 10 characters long. | Pass |
| Test Case 4 | Genres: “rock” | Validation Error: Artist should be active in at least two music genres and at most five, excluding 'pop' and 'rock' together. | Validation Error: Artist should be active in at least two music genres and at most five, excluding 'pop' and 'rock' together. | Pass |
| Test Case 5 | Awards: “2023, Best New Artist” | Validation Error: Award title should contain between 4 and 10 words. | Validation Error: Award title should contain between 4 and 10 words. | Pass |
| Test Case 6 | Occupation: singer, dancer, clown, poledancer, bass, artist | Validation Error: Artist should have at least one occupation and at most five. | Validation Error: Artist should have at least one occupation and at most five. | Pass |

User stories

1. As a user of the SEF music application, I want to create a create a playlist that will be added to my music library.

* The user can create a new playlist and give it a unique name.
* The user can search for songs within their music library.
* The user can add selected songs to the newly created playlist.

1. As a user, I want to download music on the music application and access those songs for offline use.

* The application allows users to search and browse the music library for downloadable songs.
* Users can select one or more songs for download.
* Downloaded songs are stored locally on the user's device.

1. As a user, i want to be able to customize my profile in terms of showing my most played song, genre and playlist

* The user should be able to access the profile customization feature from their account settings.
* In the profile customization section, the user should be presented with options to choose and display their most played song, genre, and playlist.
* The user should be able to change their selections at any time, and the profile should update accordingly.

1. As a user, I want to have the application recommend me songs based on my most recent song listens, artists, and genres

* The user should have a "Recommendations" or "Discover" section prominently accessible within the application.
* Recommendations should be generated based on the user's most recent song listens, preferred artists, and favorite genres.
* The recommendations should update in real-time as the user listens to new songs or interacts with the app.

1. As a user, I want to be able to look up my friends' profiles and see what they are currently listening to and any public playlists they have displayed

* The user should have the ability to search for and find their friends' profiles within the application.
* Once a friend's profile is found, the user should be able to view it, including their profile picture and username.
* The friend's profile should display the songs or tracks they are currently listening to in real-time, along with the song title, artist, and album artwork.