**Use Case Diagram**

**Using**

**StarUML**

* **SYSTEM: MUSIC APPLICATION**
* **ACTORS:**
* **Free User:** Can use the app with limited features.
* **Premium User:** Can use the app with premium/bonus features.
* **Administrator:** Can use the app with admin privileges.
* **USE CASE:**
* **Navigate**
* **Browse Song:** Can search for songs/artist.
* **Play Song:** Can play the selected song.
* **Playlist**
* **Add to Existing Playlist:** Adds selected song to the existing playlist.
* **Create New Playlist:** Creates new playlist (public/private).
* **Account Management**
* **Sign In:** Logs in to an existing account.
* **Register:** Create new account.
* **Manage Profile:** Modify account details.
* **Premium Feature**
* **Ad Free:** Does not contain advertisements.
* **Download Song:** Can download any song without limit.
* **Add Artist:** (Admin) Can add new artists to the app.
* **Add Songs:** (Admin) Can add new songs to the app.
* **Delete User:** Deletes the account of selected user.
* **Delete Playlist:** Deletes the existing playlist in the app.

* **RELATIONSHIPS:**
* **Association:** Signifies basic communication or interaction.
* **Include:** Defines that a use case contains the behavior defined in another use case.
* **Extend:** Defines that instance of a use case may be augmented with some additional behavior defined in an extending use case.
* **Generalization:** Relationship between a more general element (the parent) and a more specific element (the child).