**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**
    - **Add Artist:** (Admin) Can add new artists to the app.
    - **Add Songs:** (Admin) Can add new songs to the app.
  + **Delete**
    - **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).