

Task 1: Conceptual Model Design (7 points)

(Attached below)

Task 2: From Conceptual to Logical Model(7 points)

- Advertiser(company)
 - Primary key company
- Advertisement (AdId, lengthOfId, costOfId, company)
 - Primary key AdID
 - Foreign key company references Advertisement(company)
- Event Calendar (Event ID, date, time, location, artists Performance, artists Name, revenue Generated)
 - Primary key event ID
 - Foreign key artistName reference Artist(artistName)
 - Foreign key revenueGenerated reference Artist(revenueGenerated)
- Artist (artistName, totalDurationListentTo, revenueGenerated, email, password)
 - Primary key artistName
- Album(albumID, dateCreated, artistName)
 - Primary key albumID
 - Foreign key artistName reference Artist(artistName)
- Media(mediaID, songName, artistName, totalDurationListenedTo, songRanking, dateCreated, lengthOfSong, Album, genre)
 - Primary key mediaID
 - Foreign key artistName reference Artist(artistName)
 - Foreign key albumID reference Album(albumID)
- ListeningStats(UserID, MediaId, duration)
 - Primary key userID
 - Primary key mediaID
- User(email, subscriptionType, playlistLibraryID, startDateOfSubscription, password, displayName)
 - Primary key email
 - Foreign key subscriptionType reference SubscriptionTiers(subscriptionType)
- SubscriptionTiers(tierName, price, featuresIncluded, planDuration)
 - Primary key tierName

- UserPlaylistLibrary(libraryID, playlistID)
 - Primary key libraryID
 - Primary key playlistID
- Playlist(playlistID, songID, creator, dateAdded, description)
 - Primary key playlistID
 - Primary key songID
 - Foreign key userID reference User(userID)

Task 3: Relational Schema Evaluation (6 points):

(Attached below)

