# iMedia ETL Plan

## Instructions:

1. Outline the ETL (Extract, Transform, Load) plan for the music database.  
2. Follow the structure provided to detail each phase of the ETL process.  
3. Save the document as 'iMedia\_ETL\_Plan\_Template.docx.'

## Extract Phase:

1. Data Sources:

\* Artists: CSV file

\* Albums: CSV file

\* Tracks: CSV file

\* Genres: CSV file

## Transform Phase:

1. Data Cleaning Steps:

\* Step 1: [Describe the first data cleaning step, e.g., handling missing values in artist data]

\* Step 2: [Describe the second data cleaning step, e.g., removing duplicate entries in album data]

\* Step 3: [Describe the third data cleaning step, e.g., correcting data formats in track metadata]

2. Data Transformation Steps:

\* Step 1: [Describe the first transformation step, e.g., converting birthdates to a standard format]

\* Step 2: [Describe the second transformation step, e.g., aggregating track play counts by album]

\* Step 3: [Describe the third transformation step, e.g., mapping genres to standardized genre IDs]

## Load Phase:

1. Target Database: [Specify the target database, e.g., SQLite database]

2. Loading Strategy: [Describe the loading strategy, e.g., batch loading, real-time loading]