



ISLAMIC UNIVERSITY OF TECHNOLOGY

Organization of Islamic Cooperation

Board Bazar, Gazipur

Project Proposal

Database Management System Lab

CSE 4410

BSc. in Software Engineering

Department of Computer Science and Engineering

February 20, 2024.

Project Title:

-MeloDisc

Team Name:

- Backup Battlers

Team Members:

1. Nabila Islam

ID : 210042111

2. Nafisa Nawal Moumita

ID : 210042130

3. Faiza Maliat

ID : 210042163

Brief Overview of the Project:

The project " " involves developing a feature-rich music streaming platform with key functionalities such as intuitive content discovery, artist profiles, user-created playlists, reviews and ratings and secure user authentication. Users can explore songs, albums, and artists seamlessly and create personalized playlists. The platform also incorporates robust security measures for user authentication and provides a user-friendly account management system. The overall goal is to create an engaging environment for users to discover, enjoy, and share their favorite music effortlessly.

Features:

1. Song Browsing and Searching

- a) Alphabetical Sorting
- b) Genre-Based Sorting
- c) Language-Based Sorting

2. Album Browsing and Searching

- a) Alphabetical Sorting
- b) Genre-Based Sorting
- c) Language-Based Sorting

3. Artist Profiles

It includes the number of songs and albums the artist has. And also some of the information like the debut date, etc.

4. User-Created Playlists

5. User Reviews and Ratings

- a) Rating (1-10 Scale)
- b) Various Rating Sources (Billboard, Grammy, etc.)

6. User Authentication and Account Management

- a) user login system (email and password)
- b) editing user profile (password change)

7. Song Information

- a) Song Title
- b) Film Title (Extracted from the Song)
- c) Album Title (Containing the Song)

8. Vocalists

- a) Male Vocalist
- b) Female Vocalist

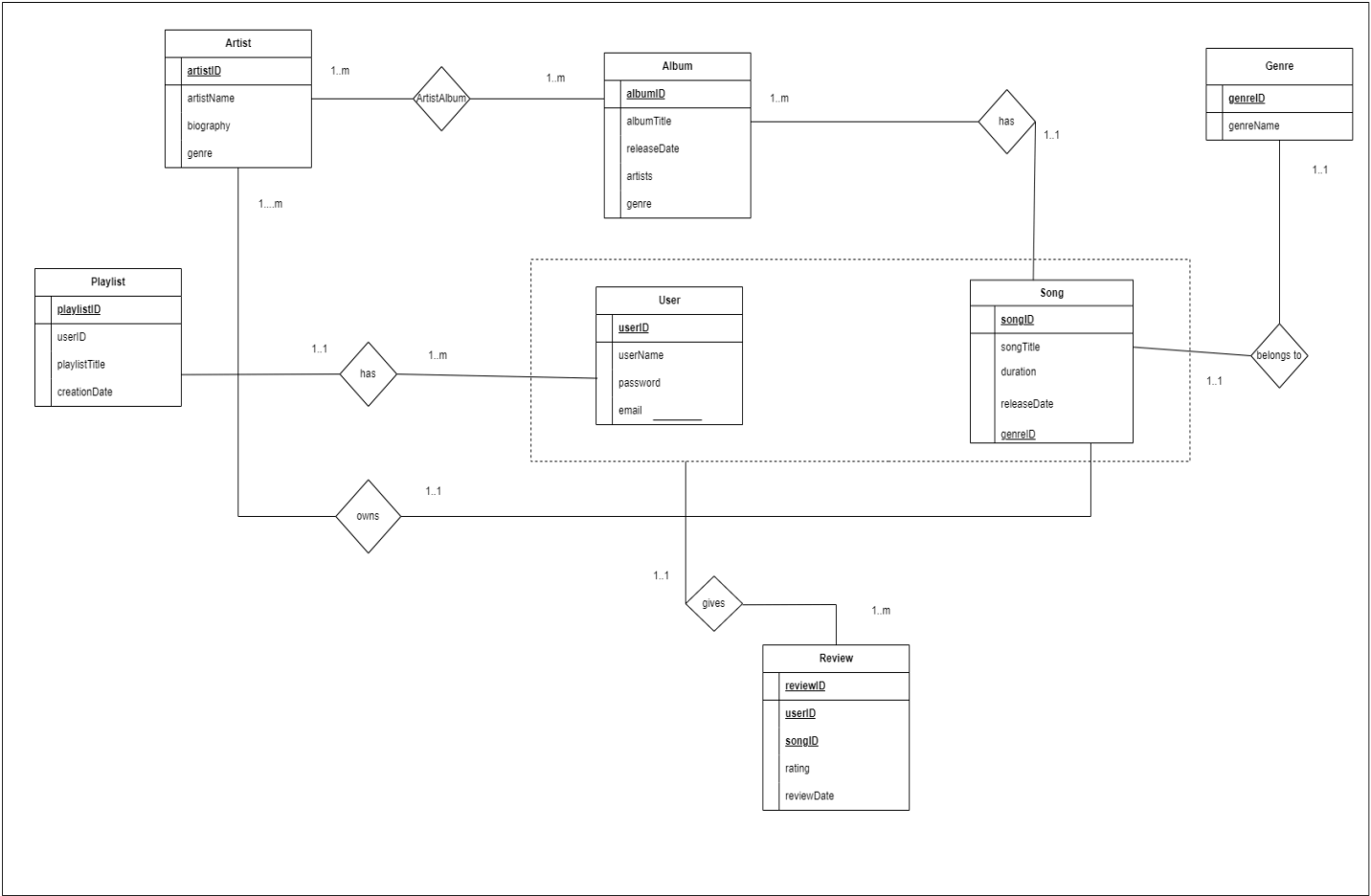
9. Top N Lists

- a) Top N Vocalists - Male/Female (Based on Ratings)
- b) Top N Based on Popularity
- c) Top N Albums (Chronologically/Regionally)

Tools & Technologies:

1. **Language** : C#
2. **Database Environment** : Oracle SQL Developer
3. **IDE** : Visual Studio
4. **Database language** : SQL, PL/SQL
5. **Version Control** : GITHUB

Entity Relation Diagram (ERD) :



THANK YOU!