**Case Study: Music Store Management System**

**Objective:**

Develop a menu-based console application to assess your proficiency in Core Java, MySQL, and JDBC. The application will simulate a music store management system, allowing users to manage albums, artists, and sales.

**Functionalities:**

1. **Album Management:**
   * Add a new album
   * View album details
   * Update album information
   * Delete an album
2. **Artist Management:**
   * Add a new artist
   * View artist details
   * Update artist information
   * Delete an artist
3. **Sales Management:**
   * Record a new sale
   * View sales details
   * Update sale information
   * Cancel a sale

**Database Schema:**

* **Album Table:**
  + album\_id (Primary Key)
  + title
  + artist\_id (Foreign Key references Artist Table)
  + release\_date
  + price
* **Artist Table:**
  + artist\_id (Primary Key)
  + name
  + genre
  + country
* **Sales Table:**
  + sale\_id (Primary Key)
  + album\_id (Foreign Key references Album Table)
  + sale\_date
  + quantity\_sold
  + total\_price

**Requirements:**

* Develop a menu-based console application using Core Java.
* Use JDBC for interactions with the MySQL database.
* Implement menu options for managing albums, artists, and sales.
* Ensure that the application updates the sales records in the Sales table appropriately after a sale is recorded or cancelled.
* Calculate the total price for a sale based on the quantity sold and album price.
* Handle exceptions effectively and provide user-friendly error messages.
* Ensure the application code is clean, well-documented, and follows standard coding conventions.

**Submission:**

* Submit the complete source code along with a README file that provides setup and usage instructions.
* Share your project by uploading it to a public GitHub repository.
* Provide the link to the GitHub repository to the coaches.