**Case Study: Customer Feedback Management System**

**Objective:**

Develop a menu-based console application to assess your proficiency in Core Java, MySQL, and JDBC. The application will simulate a customer feedback management system for a consumer electronics company, allowing users to manage feedback submissions, analysis, and responses.

**Functionalities:**

1. **Feedback Submission:**
   * Record new feedback from customers
   * View feedback details
   * Update feedback status
   * Delete a feedback entry
2. **Feedback Analysis:**
   * Analyze feedback data to identify trends
   * View analysis reports
   * Update analysis information
   * Delete an analysis record
3. **Feedback Response:**
   * Respond to customer feedback
   * View response history
   * Update response information
   * Delete a response record

**Database Schema:**

* **Feedback Table:**
  + feedback\_id (Primary Key)
  + customer\_id (Foreign Key references Customer Table)
  + feedback\_date
  + feedback\_text
  + status
* **Analysis Table:**
  + analysis\_id (Primary Key)
  + feedback\_id (Foreign Key references Feedback Table)
  + analysis\_date
  + analysis\_details
  + status
* **Response Table:**
  + response\_id (Primary Key)
  + feedback\_id (Foreign Key references Feedback Table)
  + response\_date
  + response\_text
  + status

**Requirements:**

* Develop a menu-based console application using Core Java.
* Use JDBC for interactions with the MySQL database.
* Implement menu options for managing feedback submissions, analysis, and responses.
* Ensure that the application handles customer feedback efficiently, including analysis and response functionalities.
* 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.