**Case Study: Product Review Management System**

**Objective:**

Develop a menu-based console application to assess your proficiency in Core Java, MySQL, and JDBC. The application will simulate a product review management system for a consumer electronics company, allowing users to manage customer reviews, ratings, and product improvements.

**Functionalities:**

1. **Review Management:**
   * Add a new review for a product
   * View review details
   * Update review information
   * Delete a review
2. **Rating Management:**
   * Add a rating for a product
   * View average ratings for products
   * Update rating information
   * Delete rating records
3. **Improvement Management:**
   * Implement product improvements based on reviews
   * View improvement details
   * Update improvement status
   * Delete improvement records

**Database Schema:**

* **Review Table:**
  + review\_id (Primary Key)
  + product\_id (Foreign Key references Product Table)
  + customer\_id (Foreign Key references Customer Table)
  + review\_date
  + review\_text
* **Rating Table:**
  + rating\_id (Primary Key)
  + product\_id (Foreign Key references Product Table)
  + customer\_id (Foreign Key references Customer Table)
  + rating\_value
* **Improvement Table:**
  + improvement\_id (Primary Key)
  + product\_id (Foreign Key references Product Table)
  + implementation\_date
  + improvement\_details
  + status

**Requirements:**

* Develop a menu-based console application using Core Java.
* Use JDBC for interactions with the MySQL database.
* Implement menu options for managing product reviews, ratings, and improvements.
* Ensure that the application handles reviews and ratings effectively, implements improvements based on feedback, and maintains improvement records.
* 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.