**Case Study: Rental Management System**

**Objective:**

Develop a menu-based console application to assess your proficiency in Core Java, MySQL, and JDBC. The application will simulate a rental management system, allowing users to manage rental properties, tenants, and rental agreements.

**Functionalities:**

1. **Property Management:**
   * Add new properties to the rental portfolio
   * View property details
   * Update property information
   * Delete properties from the portfolio
2. **Tenant Management:**
   * Register new tenants
   * View tenant details
   * Update tenant information
   * Delete tenants
3. **Rental Agreement Management:**
   * Create new rental agreements
   * View agreement details
   * Update agreement information
   * Terminate agreements

**Database Schema:**

* **Property Table:**
  + property\_id (Primary Key)
  + address
  + type (e.g., apartment, house)
  + bedrooms
  + bathrooms
  + rent\_amount
* **Tenant Table:**
  + tenant\_id (Primary Key)
  + name
  + contact\_number
  + email
  + lease\_start\_date
  + lease\_end\_date
* **Rental Agreement Table:**
  + agreement\_id (Primary Key)
  + property\_id (Foreign Key references Property Table)
  + tenant\_id (Foreign Key references Tenant Table)
  + start\_date
  + end\_date
  + rent\_amount
  + deposit\_amount
  + status

**Requirements:**

* Develop a menu-based console application using Core Java.
* Use JDBC for interactions with the MySQL database.
* Implement menu options for managing properties, tenants, and rental agreements.
* Ensure the application allows for creating new agreements, updating agreement status, and managing property and tenant information efficiently.
* 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.