**Case Study: Property Management System**

**Objective:**

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

**Functionalities:**

1. **Property Management:**
   * Add a new property
   * View property details
   * Update property information
   * Delete a property
2. **Tenant Management:**
   * Add a new tenant
   * View tenant details
   * Update tenant information
   * Delete a tenant
3. **Lease Management:**
   * Create a new lease agreement
   * View lease details
   * Update lease information
   * Terminate a lease agreement

**Database Schema:**

* **Property Table:**
  + property\_id (Primary Key)
  + address
  + type (residential/commercial)
  + rent\_amount
  + status (available/occupied)
* **Tenant Table:**
  + tenant\_id (Primary Key)
  + name
  + email
  + phone\_number
  + occupation
* **Lease Table:**
  + lease\_id (Primary Key)
  + property\_id (Foreign Key references Property Table)
  + tenant\_id (Foreign Key references Tenant Table)
  + start\_date
  + end\_date
  + monthly\_rent

**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 leases.
* Ensure that the application handles lease agreements, including start and end dates, and updates property status accordingly.
* 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.