**Case Study: University Course Management System**

**Objective:**

Develop a menu-based console application to assess your proficiency in Core Java, MySQL, and JDBC. The application will simulate a university course management system, allowing users to manage courses, students, and enrollments.

**Functionalities:**

1. **Course Management:**
   * Add new courses to the university
   * View course details
   * Update course information
   * Delete courses from the system
2. **Student Management:**
   * Register new students
   * View student details
   * Update student information
   * Delete student accounts
3. **Enrollment Management:**
   * Enroll students in courses
   * View enrollment details
   * Update enrollment information
   * Withdraw students from courses

**Database Schema:**

* **Course Table:**
  + course\_id (Primary Key)
  + course\_name
  + instructor
  + schedule
  + location
* **Student Table:**
  + student\_id (Primary Key)
  + student\_name
  + email
  + major
  + year
* **Enrollment Table:**
  + enrollment\_id (Primary Key)
  + course\_id (Foreign Key references Course Table)
  + student\_id (Foreign Key references Student Table)
  + enrollment\_date
  + grade

**Requirements:**

* Develop a menu-based console application using Core Java.
* Use JDBC for interactions with the MySQL database.
* Implement menu options for managing courses, students, and enrollments.
* Ensure that the application allows for student enrollment in courses, maintains accurate course and student information, and tracks grades for enrollments.
* 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.