**Case Study: Student Information System**

**Objective:**

Develop a menu-based console application to assess your proficiency in Core Java, MySQL, and JDBC. The application will manage a student information system for a school, allowing users to manage students, courses, and enrollments.

**Functionalities:**

1. **Student Management:**
   * Add a new student
   * View student details
   * Update student information
   * Delete a student
2. **Course Management:**
   * Add a new course
   * View course details
   * Update course information
   * Delete a course
3. **Enrollment Management:**
   * Enroll a student in a course
   * View enrollment details
   * Cancel an enrollment
   * List all students enrolled in a specific course

**Database Schema:**

* **Student Table:**
  + student\_id (Primary Key)
  + name
  + date\_of\_birth
  + email
  + phone\_number
* **Course Table:**
  + course\_id (Primary Key)
  + course\_name
  + instructor
  + credits
* **Enrollment Table:**
  + enrollment\_id (Primary Key)
  + student\_id (Foreign Key references Student Table)
  + course\_id (Foreign Key references Course Table)
  + enrollment\_date

**Requirements:**

* Develop a menu-based console application using Core Java.
* Use JDBC for interactions with the MySQL database.
* Implement menu options for managing students, courses, and enrollments.
* Ensure that the application updates the Enrollment table appropriately after a student is enrolled or an enrollment is canceled.
* 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.