**Case Study: Online Learning Platform**

**Objective:**

Develop a menu-based console application to assess your proficiency in Core Java, MySQL, and JDBC. The application will simulate an online learning platform for a communications and media company, allowing users to manage courses, modules, and enrollments.

**Functionalities:**

1. **Course Management:**
   * Add a new course
   * View course details
   * Update course information
   * Delete a course
2. **Module Management:**
   * Add a new module to a course
   * View module details
   * Update module information
   * Delete a module
3. **Enrollment Management:**
   * Enroll in a course
   * View enrollment details
   * Update enrollment information
   * Cancel enrollment

**Database Schema:**

* **Course Table:**
  + course\_id (Primary Key)
  + title
  + description
  + instructor
  + duration
* **Module Table:**
  + module\_id (Primary Key)
  + course\_id (Foreign Key references Course Table)
  + title
  + content
  + duration
* **Enrollment Table:**
  + enrollment\_id (Primary Key)
  + user\_id (Foreign Key references User Table)
  + course\_id (Foreign Key references Course Table)
  + enrollment\_date
  + completion\_date
  + status (active/completed)
* **User Table:**
  + user\_id (Primary Key)
  + username
  + email
  + date\_of\_birth
  + registration\_date

**Requirements:**

* Develop a menu-based console application using Core Java.
* Use JDBC for interactions with the MySQL database.
* Implement menu options for managing courses, modules, and enrollments.
* Ensure that the application updates enrollment statuses and handles user, course, and module data 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.