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import java.util.ArrayList;
import java.util.List;
// Interface class for managing enrollment
interface EnrollmentSystem {
   void enrollStudent(Student student, Course course);
   void dropStudent(Student student, Course course);
   void displayEnrollmentDetails();
// Student class representing a student
class Student {
   private int studentId;
   private String studentName;
   public Student(int studentId, String studentName) {
        this.studentId = studentId;
       this.studentName = studentName;
   public int getStudentId() {
       return studentId;
   public String getStudentName() {
       return studentName;
// Course class representing a course
class Course {
   private int courseId;
   private String courseName;
   public Course(int courseId, String courseName) {
       this.courseId = courseId;
       this.courseName = courseName;
   public int getCourseId() {
       return courseId;
   public String getCourseName() {
       return courseName;
// Enrollment management class implementing EnrollmentSystem interface
class {	t Enrollment} implements {	t EnrollmentSystem} \{
   private List<Student> enrolledStudents;
   private List<Course> enrolledCourses;
   public Enrollment() {
       this.enrolledStudents = new ArrayList<>();
       this.enrolledCourses = new ArrayList<>();
   @Override
   public void enrollStudent(Student student, Course course) {
       enrolledStudents.add(student);
       enrolledCourses.add(course);
       System.out.println("Student " + student.getStudentName() + " enrolled in course: " + course.getCourseName());
   @Override
   public void dropStudent(Student student, Course course) {
       int index = enrolledStudents.indexOf(student);
       if (index != -1 && enrolledCourses.get(index).equals(course)) {
            enrolledStudents.remove(index);
            enrolledCourses.remove(index);
            System.out.println("Student " + student.getStudentName() + " dropped from course: " + course.getCourseName());
            System.out.println("Student " + student.getStudentName() + " is not enrolled in course: " + course.getCourseName());
   @Override
   public void displayEnrollmentDetails() {
       System.out.println("\nEnrollment Details:");
       for (int i = 0; i < enrolledStudents.size(); i++) {</pre>
            System.out.println("Student: " + enrolledStudents.get(i).getStudentName() + " - Course: " + enrolledCourses.get(i).getCourseName());
^{\prime}/ Main class to demonstrate the enrollment system
{	t public} class {	t Main} \{
   public static void main(String[] args) {
       // Creating instances of students and courses
       Student student1 = new Student(1, "Alice");
       Student student2 = new Student(2, "Bob");
       Course course1 = new Course(101, "Mathematics");
       Course course2 = new Course(102, "Computer Science");
       // Creating instance of Enrollment
       Enrollment enrollmentSystem = new Enrollment();
       // Enrolling students in courses
       enrollmentSystem.enrollStudent(student1, course1);
       enrollmentSystem.enrollStudent(student2, course2);
       enrollmentSystem.enrollStudent(student2, course1); // Enrolling same student in another course
       // Displaying enrollment details
       enrollmentSystem.displayEnrollmentDetails();
       // Dropping student from course
       enrollmentSystem.dropStudent(student2, course1);
       enrollmentSystem.displayEnrollmentDetails();
```