TEACHER’S FEEDBACK FORM

Coding:

import java.util.Scanner;

abstract class Form {

public abstract void collectDetails();

public abstract void displayDetails();

}

class Feedback {

private String studentName;

private String classGrade;

private String teacherName;

private String subject;

private int overallRating;

private int punctualityRating;

private int knowledgeRating;

private int methodologyRating;

private int clarityRating;

private int engagementRating;

private int feedbackRating;

private int availabilityRating;

private int classroomManagementRating;

private int motivationalRating;

private int respectfulnessRating;

private String comments;

public String getStudentName() { return studentName; }

public void setStudentName(String studentName) { this.studentName = studentName; }

public String getClassGrade() { return classGrade; }

public void setClassGrade(String classGrade) { this.classGrade = classGrade; }

public String getTeacherName() { return teacherName; }

public void setTeacherName(String teacherName) { this.teacherName = teacherName; }

public String getSubject() { return subject; }

public void setSubject(String subject) { this.subject = subject; }

public int getOverallRating() { return overallRating; }

public void setOverallRating(int overallRating) { this.overallRating = overallRating; }

public int getPunctualityRating() { return punctualityRating; }

public void setPunctualityRating(int punctualityRating) { this.punctualityRating = punctualityRating; }

public int getKnowledgeRating() { return knowledgeRating; }

public void setKnowledgeRating(int knowledgeRating) { this.knowledgeRating = knowledgeRating; }

public int getMethodologyRating() { return methodologyRating; }

public void setMethodologyRating(int methodologyRating) { this.methodologyRating = methodologyRating; }

public int getClarityRating() { return clarityRating; }

public void setClarityRating(int clarityRating) { this.clarityRating = clarityRating; }

public int getEngagementRating() { return engagementRating; }

public void setEngagementRating(int engagementRating) { this.engagementRating = engagementRating; }

public int getFeedbackRating() { return feedbackRating; }

public void setFeedbackRating(int feedbackRating) { this.feedbackRating = feedbackRating; }

public int getAvailabilityRating() { return availabilityRating; }

public void setAvailabilityRating(int availabilityRating) { this.availabilityRating = availabilityRating; }

public int getClassroomManagementRating() { return classroomManagementRating; }

public void setClassroomManagementRating(int classroomManagementRating) { this.classroomManagementRating = classroomManagementRating; }

public int getMotivationalRating() { return motivationalRating; }

public void setMotivationalRating(int motivationalRating) { this.motivationalRating = motivationalRating; }

public int getRespectfulnessRating() { return respectfulnessRating; }

public void setRespectfulnessRating(int respectfulnessRating) { this.respectfulnessRating = respectfulnessRating; }

public String getComments() { return comments; }

public void setComments(String comments) { this.comments = comments; }

}

class FeedbackForm extends Form {

private Feedback feedback;

public FeedbackForm() {

this.feedback = new Feedback();

}

public void collectDetails() {

Scanner scanner = new Scanner(System.in);

System.out.println("===== Teacher's Feedback Form =====");

System.out.print("Enter Student's Your Name: ");

feedback.setStudentName(scanner.nextLine());

System.out.print("Enter Your Department: ");

feedback.setClassGrade(scanner.nextLine());

System.out.print("Enter Teacher's Name: ");

feedback.setTeacherName(scanner.nextLine());

System.out.print("Enter Subject: ");

feedback.setSubject(scanner.nextLine());

feedback.setOverallRating(collectRating(scanner, "Rate the teacher overall out of 5: "));

feedback.setPunctualityRating(collectRating(scanner, "Knowledge base of the teacher(as perceived by you): "));

feedback.setKnowledgeRating(collectRating(scanner, "Communication Skills of the teacher(in terms of course delivery and making you understand the course): "));

feedback.setMethodologyRating(collectRating(scanner, "Sincerity / Commitment of the teacher: "));

feedback.setClarityRating(collectRating(scanner, "Interest generated by the teacher: "));

feedback.setEngagementRating(collectRating(scanner, "Ability to integrate course material with environment/Other issues, to provide a broader perspective: "));

feedback.setFeedbackRating(collectRating(scanner, "Ability to integrate content with other courses: "));

feedback.setAvailabilityRating(collectRating(scanner, "Accessibility of the teacher in and out of the class (Includes availability of the teacher to motivate further study and discussion outside class): "));

feedback.setClassroomManagementRating(collectRating(scanner, "Ability of the teacher to design Tests/Quiz/assignments/examinations and projects to evaluate your understanding of the course: "));

feedback.setMotivationalRating(collectRating(scanner, "Provision of sufficient time for you to give feedback during the course : "));

feedback.setRespectfulnessRating(collectRating(scanner, "Overall rating: "));

System.out.print("Enter your comments (optional): ");

feedback.setComments(scanner.nextLine());

System.out.println("Thank you for your feedback!");

}

private int collectRating(Scanner scanner, String prompt) {

int rating;

do {

System.out.print(prompt);

rating = scanner.nextInt();

if (rating < 1 || rating > 5) {

System.out.println("Invalid rating! Please enter a number between 1 and 5.");

}

} while (rating < 1 || rating > 5);

scanner.nextLine();

return rating;

}

public void displayDetails() {

System.out.println("\n===== Feedback Summary =====");

System.out.println("Student: " + feedback.getStudentName());

System.out.println("Class/Grade: " + feedback.getClassGrade());

System.out.println("Teacher: " + feedback.getTeacherName());

System.out.println("Subject: " + feedback.getSubject());

System.out.println("Overall Rating: " + feedback.getOverallRating() + "/5");

System.out.println("Punctuality Rating: " + feedback.getPunctualityRating() + "/5");

System.out.println("Knowledge Rating: " + feedback.getKnowledgeRating() + "/5");

System.out.println("Methodology Rating: " + feedback.getMethodologyRating() + "/5");

System.out.println("Clarity in Communication: " + feedback.getClarityRating() + "/5");

System.out.println("Engagement Level: " + feedback.getEngagementRating() + "/5");

System.out.println("Feedback on Assignments: " + feedback.getFeedbackRating() + "/5");

System.out.println("Availability for Help: " + feedback.getAvailabilityRating() + "/5");

System.out.println("Classroom Management: " + feedback.getClassroomManagementRating() + "/5");

System.out.println("Motivational Ability: " + feedback.getMotivationalRating() + "/5");

System.out.println("Respectfulness: " + feedback.getRespectfulnessRating() + "/5");

System.out.println("Comments: " + feedback.getComments());

}

}

public class Main {

public static void main(String[] args) {

FeedbackForm form = new FeedbackForm();

form.collectDetails();

form.displayDetails();

}

}

Output:

===== Feedback Summary =====

Student: Bharath Waj R k

Class/Grade: AIDS

Teacher: Mrs.Charanya

Subject: Java Programming

Overall Rating: 5/5

Punctuality Rating: 5/5

Knowledge Rating: 5/5

Methodology Rating: 5/5

Clarity in Communication: 5/5

Engagement Level: 5/5

Feedback on Assignments: 5/5

Availability for Help: 5/5

Classroom Management: 5/5

Motivational Ability: 5/5

Respectfulness: 5/5

Comments: Superb teaching experience.