CSV Reader (Class)	
Read and store data from the CSV file.	

CSV Writer (Responsibilities)	(Collaborators)
Write data to the CSV file.	CSVReader Course Module

Admin	
Administrator login	CSVReader Student
Selection and execution of different operations.	Teacher Course Result
Management of students, teachers, courses, and administrators.	

Course	
View, add, modify and delete data for courses and course modules.	CSVReader CSVWriter Module

CourseManager	
Merge student and course data.	CSVReader

Module	
Manage module data.	

Result	
Enter student grades. Convert scores to grades. Calculate QCA. Generate student transcripts.	

Student	
Student Login. Store data of students.	CSVReader CSVWriter Course
View, add, modify and delete data for students.	
View student course and module	

information.	

StudentResult	
Run the system.	CSVReader
	CSVWriter
Initiate student login, teacher login, and administrator login processes.	Admin
	Student
	Teacher
Initialize and generate student records.	CourseManager
Control the display and selection of the system menu.	
Handle user input and command selection.	

StudentResultSystem	
launching the system.	StudentResult
Create and run the StudentResult.	

Teacher	
Teacher Login.	CSVReader
	CSVWriter
Store data of teachers.	
View, add, modify and delete data for teachers.	