

Documentation: Data Flow Diagram - Education

1. Actors (External Entities)

- **Student:** Initiates enrollment and receives confirmation/results.
 - **Teacher:** Submits grades and receives performance reports.
 - **Admin:** Manages course details and receives course-related updates.
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2. Processes

Process Name	Description
Student Enrollment Request	Student submits a request to enroll in courses.
Process Enrollment	EMS validates and processes the enrollment request.
Teacher Submit Grades	Teacher inputs student grades into the system.
Process Grades	EMS calculates and stores grades, generating reports.
Admin Manage Courses	Admin updates course offerings, schedules, and curriculum.
Process Course Management	EMS processes course data and updates relevant stakeholders.

3. Data Stores (Implicit)

While not explicitly shown, the system likely includes:

- **Student Database:** Stores enrollment and academic records.
 - **Course Database:** Contains course details and schedules.
 - **Grades Repository:** Maintains student performance data.
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4. System Functionality Summary

- **Enrollment Handling:** Automates student registration and confirmation.
 - **Grade Processing:** Manages grade input, calculation, and reporting.
 - **Course Management:** Allows admins to update course data and schedules.
 - **Communication:** Sends relevant updates to each role based on their interaction.
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5. DFD Level

This diagram represents a **Level 1 DFD**, breaking down the core system into sub-processes while maintaining clarity on external entities and data flow.

