

Classified Use Cases (SIMPLE / MODERATE / COMPLEX)

Complexity	Use Case	Justification
Simple	View Grades	Direct database query; read-only access with no data manipulation.
Simple	View Attendance	Simple retrieval of historical records filtered by date or student ID.
Simple	Announcements	Posting text-based notifications to a dashboard or bulletin board.
Simple	Manage User Accounts	Basic CRUD (Create/Read/Update/Delete) for user profiles and passwords.
Moderate	Add Student Info	Handling multi-field forms, data validation, and initial database entry.
Moderate	Edit Student Info	Requires state management, data integrity checks, and versioning of records.
Moderate	Record Attendance	Batch processing where a teacher updates a list of 30+ students simultaneously.
Moderate	Upload Study Materials	Handling file binary data, storage paths, and linking files to specific classes.
Complex	Assign Teachers to Classes	Involves complex logic to prevent double-booking teachers or classrooms.
Complex	Publish Schedule	A system-wide event that triggers notifications and updates calendars for all actors.

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Complexity	Use Case	Justification
Complex	Enter or Update Grades	Includes calculation of GPAs/weighted averages and triggers the report module.
Complex	Generate Reports	Aggregates data from multiple modules (Grades + Attendance) into a PDF/Export.