

## Classified Use Cases (SIMPLE / MODERATE / COMPLEX)

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

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